

**95th Annual Report**  
**2017-2018**  
**Part-I**



**University of Delhi**  
**Delhi**

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**University of Delhi**  
**95<sup>th</sup> Annual Report**  
**PREFACE**

The University of Delhi is a premier university of the country. Since its establishment in 1922, it has maintained the highest academic standards and has established some of the best practices in higher education in the country. In line with its motto, *Nishtha Dhriti Satyam*, the University has continued to foster a long-term commitment to nation building and an unflinching adherence to universal human values. It is a pleasure and privilege to present the 95<sup>th</sup> Annual Report of the University, covering the period from April 1, 2017 to March 31, 2018.

The University has been ranked top most in the country by US News Global Top University Ranking (Washington Post). It was ranked in second position in the country by India Today and is 7<sup>th</sup> in the National Institutional Ranking Framework. The h-index of the University touched 164, one of the highest among Indian universities. The University received over Rs 280 crores of grants in 2017-18 from extramural sources with over 300 research projects underway during this period. The University has set up various innovation and entrepreneurship support programmes such as the Electropreneur Park and Design Innovation Centre.


It is a matter of deep satisfaction as also an immense pleasure to report that the University of Delhi achieved a significant distinction in terms of being recommended and ranked at number one spot among universities under the Institution of Eminence Scheme of the Ministry of Human Resource Development, Government of India. This is a recognition of the cumulative efforts and contribution of our students, researchers, teachers and the administrative staff. It is no ordinary fete by any standards as the competition for the limited number of institutions to be so recognised was most severe. Our stakeholders deserve to be congratulated for this accomplishment.

The University offers more than 500 programmes, which include undergraduate programmes, an array of postgraduate programmes (Masters, M.Phil. and Ph.D.), Certificate and Diploma courses. We have successfully implemented the Choice Based Credit System (CBCS) at the undergraduate level, offering a vibrant spectrum of skill-based programmes. The process of implementation of CBCS at the postgraduate level is nearing completion and the University shall be ready with the revised curriculum from the session 2019-20. The University has established new centres of learning such as the Delhi School of Journalism, the Delhi School of Transnational Affairs, and the Institute of Cyber Security and Law. The University continues to stress on qualitative initiatives such as the conduct of the Students' Experience Survey and Benchmarking exercises to assess and renew itself.

The University is expanding collaborations with international institutions and has launched a special drive to expand the induction of foreign students, thereby reaching out to the community extensively and foregrounding its cultural ideal of *Vasudhaiva Kutumbakam*. It has also adopted five villages under the aegis of the Unnat Bharat Abhiyan initiative of the MHRD and continues to undertake need based and participatory community development work in these communities.

Among the several important initiatives by the University, the one on sustainability deserves to be mentioned here. We have embarked on the path of sustainability aimed at reducing carbon footprint of our myriad actions and activities. Installation of solar power heaters in most student hostels, replacement of traditional light sources by LED lights, shifting to e-governance including online admissions and entrance tests are some of the important efforts in this direction. By migrating to the online admissions and online entrance tests, the University contributes to saving nearly 5000 trees annually – helping add a forest to the nation each year.

As an emerging leader in global education and research, it is the prerogative of the University of Delhi to contribute significantly to the intellectual growth of the country by serving around seven lakh students and faculty from across India and abroad.

  
Yogesh K. Tyagi  
Vice Chancellor  
University of Delhi

## EDITORIAL COMMITTEE

The 95<sup>th</sup> Annual Report of the University of Delhi for the year ending 31<sup>st</sup> March, 2018 is presented here. The Report consists of two parts:

Part-I contains information about University of Delhi's academic progress including Faculties, Departments, Centres, Colleges and Finance.

Part-II carries Information and Data.

The Editorial Board, which prepared this Report, comprised of the following members:

1.	Prof. Pami Dua	Dean Academic Activities & Projects, Chairperson
2.	Prof. Tarun Kumar Das	Registrar, University of Delhi
3.	Dr. Payal Mago	Joint Dean Colleges
4.	Prof. Yogendra Singh	Dean Research, Life Sciences
5.	Prof. T. R. Seshadri	Dean Research (Phy. Sc. & Math Sc.)
6.	Prof. Vijay Chaudhary	Department of Biochemistry
7.	Prof. Kavita Sharma	Dean, Faculty of Commerce
8.	Prof. Madhu Vij	Faculty of Management Studies
9.	Prof. Neera Agnimitra	Head, Department of Social Work
10.	Prof. Arun Jagannath	Department of Botany
11.	Prof. Sanjay Kapoor	Department of Plant Molecular Biology
12.	Prof. Vandana Roy	Dean, Faculty of Medical Sciences
13.	Prof. Mohan	Dean, Faculty of Arts
14.	Prof. Ajay Kumar	Department of Mathematics
15.	Prof. Nandita Babu	Department of Psychology
16.	Prof. Kumud Sharma	Officiating Director, Directorate of Hindi Medium Implementation
17.	Dr. Mukesh Mehlawat	Department of Operational Research
18.	Dr. Meenal Dhall	Department of Anthropology
19.	Dr. K. Ratnabali	Faculty of Law
20.	Dr. Uma Chaudhry	Bhaskaracharya College of Applied Sciences
21.	Capt. Parminder Sehgal	NSS Coordinator
22.	Mr. Pradeep Kumar	Deputy Registrar (Council)

Co-opted members:

i)	Prof. A. K. Singh	Department of Commerce
ii)	Dr. K P Singh	Department of Library and Information Science
iii)	Dr. Asani Bhaduri	Cluster Innovation Centre
iv)	Dr. Surinder Kaur	SGTB Khalsa College
v)	Dr. Renu Baweja	Shivaji College

The Report presents the highlights of activities and achievements of the University of Delhi during the year 2017-2018 (April 1, 2017 to March 31, 2018).





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## OFFICERS OF THE UNIVERSITY

### Chancellor

Hon'ble Mohd. Hamid Ansari up to 10.08.2017

Hon'ble Muppavarapu Venkaiah Naidu w.e.f. 11.08.2017

### Pro-Chancellor

Justice Jagdish Singh Khehar up to 27.08.2017

Justice Dipak Mishra w.e.f. 28.08.2017

### Vice-Chancellor

Prof. Yogesh Kumar Tyagi

### Pro-Vice-Chancellor

Prof. J. P. Khurana (Officiating)

### Dean of Colleges

Prof. Devesh Kumar Sinha up to 08.02.2018

### Director, South Delhi Campus

Prof. J. P. Khurana

### Director, Campus of Open Learning

Prof. C. S. Dubey (Officiating)

### Treasurer

Mr. T. S. Kripanidhi

### Proctor

Prof. Neeta Sehgal (Officiating)

### Dean Students Welfare

Prof. Rajesh Tandon w.e.f. 17.05.2017

### Registrar

Prof. Tarun Kumar Das

## DEANS OF FACULTY

### Arts

Prof. Mohan w.e.f. 13.09.2016

### Science

Prof. M.K. Pandit

### Social Sciences

Prof. J.P. Dubey up to 13.03.2018

Prof. V. K. Dixit w.e.f. 14.03.2018

### Law

Prof. (Ms.) Ved Kumari

**Management Studies**

Prof. M.L. Singla up to 26.05.2017  
Prof. Sunita Singh Sengupta w.e.f. 27.05.2017

**Mathematical Sciences**

Prof. Prakash Chandra Jha

**Medical Sciences**

Prof. Arunabha Ray up to 13.10.2017  
Prof. Rachna Gupta w.e.f. 14.10.2017

**Music & Fine Arts**

Prof. Suneera Kasliwal

**Technology**

Prof. Avinash Khare up to 26.09.2017  
Prof. Sachin Maheshwari w.e.f. 27.09.2017

**Ayurvedic and Unani**

Dr. Mohd. Idris Khan up to 04.07.2017  
Dr. Uma Shankar w.e.f. 05.07.2017

**Education**

Prof. (Ms.) N. Ranganathan

**Inter-Disciplinary and Applied Sciences**

Prof. Pradeep Kumar Burma

**Applied Social Sciences and Humanities**

Prof. Suresh Chand Aggarwal up to 19.07.2017  
Prof. V. K. Kaul w.e.f. 20.07.2017

**Commerce & Business**

Prof. Muneesh Kumar up to 18.05.2017  
Prof. Kavita Sharma w.e.f. 19.05.2017

**Homeopathic Medicine**

Prof. Arunabha Ray up to 13.10.2017  
Prof. Rachna Gupta w.e.f. 14.10.2017

## **STUDENT ENROLLMENT**

As per 2017-18 data, the University has 1,89,653 undergraduate, 26,910 Post graduate students, including M.Phil/Ph.D students and 6,948 in certificate/Diploma/PG Diploma on rolls. The total number of students enrolled in conventional mode is 2,23,511. Additionally, as many as 4,05,448 Students are enrolled in the distance mode and 25,643 non-collegiate women students also form part of this mammoth University. The total enrollment across conventional and distance mode in all programmes was 6,54,602 during 2017-18. At present, more than half of the students come from states other than Delhi.

## **ACHIEVEMENTS OF THE YEAR**

The University of Delhi has the privilege of a venerable legacy as an institution dating back to 1922. Established by an Act of Parliament, it is guided by the statutes, ordinances, rules and regulations that are stipulated.

With 16 Faculties, 87 Departments, 16 Centres and 90 Colleges, the University of Delhi is one of the largest universities in India. With more than six lakh students in the formal and non-formal/distance education mode, the University of Delhi, in keeping with its traditions and development, has moved from strength to strength.

This is reflected in the achievements and signposts established by the University during the past one year of reporting. Brief overviews of noteworthy achievements of the year 2017-2018 (April 1, 2017 – March 31, 2018) are presented here.

## **FOUNDATION DAY**

The University of Delhi celebrated its 95th Foundation Day on May 1, 2017. The distinguished guests included Dr. Karan Singh, Member of Parliament (Rajya Sabha); Hon'ble Mr. Justice Sanjay Kishan Kaul, Judge, Supreme Court of India; Ambassador Shri Shiv Shankar Mukherjee, Former Ambassador of India to Nepal; Ambassador Shri Jayant Prasad, Director General, Institute for Defence Studies and Analyses; Dr. Swapan Dasgupta, Member of Parliament (Rajya Sabha); Shri Rajat Sharma, Chairman and Editor-in-Chief, INDIA TV and Dr. Kavita A. Sharma, President, South Asian University, all alumni of the University of Delhi.

As in earlier years, awards were conferred upon highly deserving individuals who have rendered exemplary service to the University in the past and present. These awards were under the category of 'Distinguished Service Awards' to retired teachers and non-teaching staff and 'Excellence Awards' for teachers in service in University Departments and Colleges.

## **CONVOCATION**

The University organized its 94<sup>th</sup> Annual Convocation on November 18, 2017. The University was privileged to have Hon'ble Shri Ram Nath Kovind, President of India as Chief Guest; Hon'ble Shri Prakash Javadekar, Minister, HRD, Govt. of India as Guest of Honour and Prof. V.S. Chauhan, Chairman, U.G.C., New Delhi as Guest of Occasion.

Degrees were conferred upon 582 Ph.D. candidates and 39 D.M./M.Ch. candidates. 171 medals and prizes were awarded to meritorious students. A live webcast of the Convocation was available on the University website.

## **RANKINGS OF THE UNIVERSITY**

The University of Delhi has been ranked No. 1 by US News Global Top University Ranking (The Washington Post) at the national level. It is ranked 2nd by QS India Ranking among public universities in India and 8th among public educational institutions/universities. It is also commendable that it is ranked 21st globally in Alumni Outcomes by QS World University Graduate Employability Ranking. Based on ranking by national agencies, the University is ranked 7th by NIRF and 2nd by India Today among public universities in India.

**National Ranking**

<b>Overall Ranking</b>	<b>2018/19</b>
National Institutional Ranking Framework (NIRF)	7
Centre for World University Rankings (CWUR)	7
India Today MDRA Ranking	2

**International Ranking**

<b>Overall Ranking</b>	<b>2018/19</b>
Times Higher Education (THE) World University Ranking	601-800
THE Asia University Ranking	144
THE BRICS & Emerging Economies University Ranking	127
Centre for World University Ranking	726
QS World University Ranking	487
QS Asia University Ranking	62
QS BRICS University Ranking	42
QS India Ranking	8 - Among Indian public educational institutions and universities 2 - Among Indian public universities

<b>QS World Subject-Wise, 2018</b>	
Development Studies	17
Anthropology	51-100
Geography and Area Studies	151-200
Sociology	151-200
Economics and Econometrics	201-250
Physics and Astronomy	251-300
Chemistry	351-400
Biological Sciences	351-400
<b>QS World University Graduate Employability Ranking</b>	
Indicators	2018/19
Overall Scores	201-250
Alumni Outcomes	21
Employer Reputation	195
Employer-Student Connections	200+
Partnership with Employers	200+



- **Department of Economics** was ranked the highest amongst university economics departments in India for the sixth successive year by RePEc, a global electronic archive of working papers and publications in Economics for the past years. (<http://ideas.repec.org/top/top.india.html>)
- **Department of Education** was ranked First in the India Today Ratings of best institutions for studies in Education.
- **Department of Physics** maintained its position in QS Rankings as the topmost university physics department in the country.
- **Department of Social Work** was ranked number one in academic excellence and placements and second-best school of Social Work in India as per Outlook Survey, 2018 as well as India Today Survey, 2018.

## UNIVERSITY LECTURE SERIES AND EVENTS

### Distinguished Speakers - 126<sup>th</sup> Birth Anniversary of Dr. Bhim Rao Ambedkar

A special programme was organized on “Dr. Bhim Rao Ambedkar: Mapping His Mission and Vision for the 21st Century India” to commemorate and celebrate the 126th Birth Anniversary of Dr. B.R. Ambedkar on April 14, 2017. Distinguished speakers included Hon’ble Justice (Retd) Dr. B.S. Chauhan, Chairperson, Law Commission of India, Hon’ble Justice S. Ravindra Bhat, Delhi High Court and Professor Upendra Baxi, former, Vice Chancellor, University of Delhi.

### Percipience-The Eminent Alumni Lecture Series

The objective of *Percipience - Eminent Alumni Lecture Series* is to strengthen the continuing bond between the University and its huge universally diaspora alumni.

As part of this series, an Eminent Lecture by Hon’ble Mr. Justice Arjan Sikri, Judge, Supreme Court of India, distinguished alumnus of the University of Delhi was organized on April 21, 2017 on “Fundamental Duties under the Indian Constitution: Forgotten Virtues?” Prof. M.P Singh, Chancellor, University of Haryana moderated the session.

### Interaction with Princess of Kingdom of Thailand and Cadets

Her Royal Highness Princess Maha Chakri Sirindhorn, Kingdom of Thailand visited the University of Delhi on July 17, 2017 along with a group of 100 staff instructors and cadets from Chulachomklao Royal Military Academy, under Royal Thai Army. The cadets were invited for a Question-Answer session. The delegation visited the historical sites in the Viceregal Lodge and appreciated the legacy of the University. The visit to the archives and the display of the University's rich heritage through exhibits, records, photographs, artefacts and paintings invoked the interest of the delegation.

### Distinguished Speech by President of Federal Republic of Germany

The President of Federal Republic of Germany, Frank-Walter Steinmeier presented a speech on “India and Germany – Ideas and Perspectives” at the Convention Hall on Friday, March 23, 2018. The speech was followed by a Question & Answer Session where only students were allowed to put up questions to the Hon’ble President. The Hon’ble President described his visit to the University as a highlight of his first visit to India as a President. He was accompanied by the First Lady of Germany.

### Martyrs’ Day

The University of Delhi organized a programme to pay homage to Shaheed Bhagat Singh, Sukhdev Thapar and Shivaram Rajguru on Martyrs’ Day in the Council Hall of the Viceregal Lodge on March 23, 2018. The Hon’ble Vice Chancellor presided over the function. Tribute was paid to Shaheed Bhagat Singh and his associates through a patriotic song presented by students and through the screening of a documentary film on the life of Shaheed Bhagat Singh.

## **ESTABLISHMENT OF NEW CENTRES OF LEARNING**

### **Delhi School of Journalism**

The University of Delhi established the Delhi School of Journalism on 26<sup>th</sup> September 2017. with a vision to make it a globally competent institution for media and journalism education. The programme is interdisciplinary incorporating the fundamentals of social sciences, sciences, gender studies, ethics and global issues. The academic session of Delhi School of Journalism was inaugurated by the Hon'ble Vice Chancellor Prof. Yogesh K. Tyagi.

The Hon'ble Vice President of India Shri Venkaiah Naidu, delivered a Distinguished Speech on the occasion of the formal inauguration of the Delhi School of Journalism on 21<sup>st</sup> December 2017.

### **Delhi School of Transnational Affairs**

The University of Delhi launched its Delhi School of Transnational Affairs on January 17, 2018. Delhi School of Transnational Affairs is envisaged as a unique global and virtual platform for cutting-edge debates on various academic issues of Transnational significance. It seeks to bridge the barriers between scholars, thinkers and experts spread across the globe to come together and share their ideas on this platform.

The University of Delhi launched the Delhi School of Transnational Affairs with a Distinguished Lecture Series in collaboration with the External Publicity and Public Diplomacy Division of Ministry of External Affairs. Ambassador G. Parthasarathy gave the inaugural lecture on 'India's Foreign Policy and Security Challenges in the Contemporary World'. Prof. Satish Kumar, Director, Foundation for National Security Research chaired the proceedings and Prof. Harsh Pant, a Distinguished Fellow of Observer Research Foundation was the commentator of the session.

## **RESEARCH HIGHLIGHTS**

### **h-index**

As per Scopus database, the h-index of the University of Delhi is 164, one of the highest among Indian Universities.

### **Research Publications**

As per Scopus database, the total number of publications from 2013-18 are 11,193.

### **Extramural Research Grants**

University of Delhi is the recipient of the highest DST-PURSE grant for Phase-II (2014-2019) – Rs. 40.80 Crores.

The University has extramural research projects from almost every national funding agency and many international funding agencies like DBT, DST, IFICAR, UGC, MOEF, IAEA, ICAR, DRDO, CSIR, MOES, ICMR, MNRE, World Bank, TERI, Indo-USSTF, GAIL, IUAC, ICSSR, USA, MCIT, NUST, Univ. of Norway, Univ. of Turkey, ISRO, SDTT, Vigyan Prasar, SERB-DST, Japan Foundation, SEWA-THDC, MOSJ&E, DAE, MWCD, INSA, TISS-DU, Leverhulme Trust UK, ICHR etc.

Ongoing Projects in the year 2017-18 – 333

Major Projects – 200

Minor Projects – 133

Total Cost/Value of Projects – Rs. 280.5 Crores

Projects sanctioned in 2017-18 – 65

Total Amount – Rs. 37.03 Crores

**Departments with Fund for Improvement of S&T (DST-FIST):**

- Botany
- Chemistry
- Genetics
- Mathematics
- Physics & Astrophysics
- Plant Molecular Biology
- Zoology

**Departments with Financial Assistance under UGC SAP for the year 2017-18****Departmental Research Support (DRS)**

- Anthropology
- Biochemistry
- Dr. B.R. Ambedkar Centre for Bio-Medical Research
- Geography
- Genetics
- Germanic and Romance Studies
- Hindi
- Modern Indian Languages and Literary Studies
- Persian
- Plant Molecular Biology
- Psychology

**Department of Special Assistance (DSA)**

- English
- Mathematics
- Music

**Centre for Advanced Study (CAS)**

- Buddhist Studies
- Chemistry
- Economics
- Geology
- History
- Linguistics
- Political Science
- Social Work
- Sociology

**Area Studies Programme (ASP)**

- African Studies
- Centre for Canadian Studies
- East Asian Studies

### Faculty Members with Grants above Rupees One Crore:

During the reporting period, some faculty members of the University have been sanctioned Research Projects of the value of more than Rupees One Crore each.

1. Prof. Daman Saluja, **ACBR**, Rs. 3 Crores from DBT
2. Prof. V. K. Chaudhary, **Biochemistry**, Rs. 3.39 Crores from DBT
3. Dr. Renu Deswal, **Botany**, Rs. 1.23 Crores from IBSD
4. Dr. Vipin Gupta, **Botany**, Rs. 3.81 Crores from DBT
5. Prof. Arun Jagannath, **Botany**, Rs. 1.08 Crores from DBT
6. Prof. C. R. Babu, **CEMDE**, Rs. 1 Crore, Rs. 3.10 Crores, Rs. 1.07 Crores and Rs. 2.83 Crores from DDA
7. Dr. Jyoti Sharma, **CIC**, Rs. 1.27 Crores from DST
8. Prof. Christol Dawondson, **English**, Rs. 1.07 Crores from UGC/DAAD
9. Prof. Radhey Shyam Sharma, **Environmental Studies**, Rs. 1.29 Crores from MOEF
10. Prof. A. K. Pradhan, **Genetics**, Rs. 1.27 Crores from DBT-UDSC
11. Prof. B K Thelma, **Genetics**, Rs. 3.50 Crores from SERB
12. Prof. G. V. R. Prasad, **Geology**, Rs. 1.36 Crores from DST
13. Prof. J. P. Khurana, **Plant Molecular Biology**, Rs. 1.65 Crores from DBT
14. Prof. B.C. Chaudhary, **Physics & Astrophysics**, Rs. 2.01 Crores and Rs. 2.50 Crores from DST
15. Dr. Kirti Ranjan, **Physics & Astrophysics**, Rs. 9.99 Crores from DST
16. Dr. Md. Naimuddin, **Physics & Astrophysics**, Rs. 1.78 Crores from DST

### Faculty Members with Grants above Rupees Ten Lakhs:

- |                           |   |
|---------------------------|---|
| 1. Dr. Ajay K Yadav       | ACBR                                      |
| 2. Dr. Aparna Dixit       | ACBR                                      |
| 3. Prof. Daman Saluja     | ACBR                                      |
| 4. Prof. Vani Brahmachari | ACBR                                      |
| 5. Prof. J. P. Dubey      | Adult, Continuing Education and Extension |
| 6. Prof. A. K. Kapoor     | Anthropology                              |
| 7. Prof. S. M. Patnaik    | Anthropology                              |
| 8. Prof. V R Rao          | Anthropology                              |
| 9. Dr. Alo Nag            | Biochemistry                              |
| 10. Dr. Amita Gupta       | Biochemistry                              |
| 11. Prof. D Pental        | Biochemistry                              |
| 12. Prof. D P Sarkar      | Biochemistry                              |
| 13. Prof. Suman Kundu     | Biochemistry                              |
| 14. Prof. V. K. Chaudhary | Biochemistry                              |
| 15. Prof. A. K. Pandey    | Botany                                    |
| 16. Prof. K. S. Rao       | Botany                                    |
| 17. Prof. Manu Agarwal    | Botany                                    |
| 18. Prof. P. L. Uniyal    | Botany                                    |
| 19. Dr. Ratul Baishya     | Botany                                    |
| 20. Dr. Sandip Das        | Botany                                    |
| 21. Prof. S. C. Bhatla    | Botany                                    |

22. Prof. Suman Lakhanpal	Botany
23. Dr. Yashwanti Mudgil	Botany
24. Prof. Veena Aggarwal	Botany
25. Prof. Vishnu Bhat	Botany
26. Dr. Manisha Goel	Biophysics
27. Dr. J.S. Purohit	CIC
28. Dr. Sonam Singh	CIC
29. Prof. A. K. Verma	Chemistry
30. Dr. Amarjeet Kaur	Chemistry
31. Prof. A. Sakthivel	Chemistry
32. Prof. D. S. Rawat	Chemistry
33. Prof. Gurmeet Singh	Chemistry
34. Dr. Indrajit Roy	Chemistry
35. Dr. Neetu Singh	Chemistry
36. Prof. N Tirupathi	Chemistry
37. Prof. Parbati Biswas	Chemistry
38. Dr. P. Venkatesu	Chemistry
39. Prof. Rajeev Gupta	Chemistry
40. Prof. Rama Kant	Chemistry
41. Dr. Ramendra Pratap	Chemistry
42. Prof. R. Nagarajan	Chemistry
43. Dr. R. K. Sharma	Chemistry
44. Prof. Ramesh Chandra	Chemistry
45. Dr. Sasank Deka	Chemistry
46. Prof. Sitharaman Uma	Chemistry
47. Prof. Sunil Kumar Sharma	Chemistry
48. Dr. Surendra Singh	Chemistry
49. Dr. Chirashree Ghosh	CEMDE
50. Prof. C. R. Babu	CEMDE
51. Prof. Inderjit Singh	CEMDE
52. Prof. Mridula Gupta	Electronic Science
53. Prof. Anupam Chattopadhyay	Geology
54. Prof. J. P. Shrivastava	Geology
55. Dr. N. C. Pant	Geology
56. Prof. Pankaj Srivastava	Geology
57. Dr. Aruna Devi Naorem	Genetics
58. Prof. A. K. Pradhan	Genetics
59. Prof. B. K. Thelma	Genetics
60. Dr. Jagreet Kaur	Genetics
61. Dr. Kaustuv Datta	Genetics
62. Prof. M V Rajam	Genetics
63. Dr. Surajit Sarkar	Genetics

64. Prof. Tapasaya Srivastava	Genetics
65. Dr. Sanjeev Singh	IIC
66. Prof. Rani Gupta	Microbiology
67. Dr. Rajeev Kaul	Microbiology
68. Prof. R. C. Kuhad	Microbiology
69. Dr. Swati Saha	Microbiology
70. Dr. Sachi Srivastava	Mathematics
71. Dr. Awadhesh Prasad	Physics & Astrophysics
72. Prof. Binay Kumar	Physics & Astrophysics
73. Prof. Kirti Ranjan	Physics & Astrophysics
74. Dr. Nivedita Deo	Physics & Astrophysics
75. Prof. R. P. Tandon	Physics & Astrophysics
76. Prof. Sanjay Jain	Physics & Astrophysics
77. Prof. S. A. Annapoorni	Physics & Astrophysics
78. Dr. S. A. Hashmi	Physics & Astrophysics
79. Prof. T. R. Seshadri	Physics & Astrophysics
80. Prof. Devki Nandan Gupta	Physics & Astrophysics
81. Prof. Vinay Gupta	Physics & Astrophysics
82. Prof. Sanjeev Kr. HM	Political Science
83. Prof. Akhilesh K Tyagi	Plant Molecular Biology
84. Prof. Anil Grover	Plant Molecular Biology
85. Prof. Arun K Sharma	Plant Molecular Biology
86. Prof. G. K. Pandey	Plant Molecular Biology
87. Prof. I. Dasgupta	Plant Molecular Biology
88. Prof. J. P. Khurana	Plant Molecular Biology
89. Prof. Paramjit Khurana	Plant Molecular Biology
90. Prof. Sanjay Kapoor	Plant Molecular Biology
91. Dr. Saurabh Raghuvanshi	Plant Molecular Biology
92. Dr. Surekha K Agarwal	Plant Molecular Biology
93. Prof. Alok Chandra Bharti	Zoology
94. Prof. D. K. Singh	Zoology
95. Prof. Neeta Sehgal	Zoology
96. Prof. Rajagopal Raman	Zoology
97. Dr. Ram Krishan Negi	Zoology
98. Prof. Rina Chakrabarty	Zoology
99. Prof. Rita Singh	Zoology
100. Prof. Rup Lal	Zoology
101. Prof. Vinod Kumar	Zoology
102. Prof. Yogendra Singh	Zoology



## Foreign Grants

Name	Department	Amount (Rs.)
1. Prof. S. D. Biju	CEMDE	USD \$ 100000
2. Dr. Amita Chandra	Physics& Astrophysics	Euro (€) 55000
3. Prof. D. K. Singh	Zoology	Euro (€) 37000
4. Dr. R. K. Seth	Zoology	Euro (€) 44808

## RESEARCH JOURNALS OF THE UNIVERSITY

### E-journals

The University of Delhi publishes two e-journals:

- The *Delhi University Journal of Undergraduate Research and Innovation* (ISSN 2395-2334), an online biannual peer reviewed research journal (first of its kind in India).
- The *Delhi University Journal of the Humanities and the Social Sciences* (ISSN 2348-4357), peer reviewed research journal.

In addition, there are several other journals which are published by individual departments and colleges that include *Indian Economic Review*, *Journal of Commerce and Business Studies*, *Vageshwari*, *Indian Law Journal*, *Indian Journal of African Studies*, *Journal of Law Teachers of India*, *The Indian Journal of Chest Diseases & Allied Sciences*, *Journal of Library & Information Science*, *Phytomorphology* etc.

## IPR CELL AND PATENT FUND

The Intellectual Property Rights Cell of the University operates from the Research Council. It was created to increase awareness and facilitate patent filing, maintenance and technology transfer. The guidelines for patent filing and collaborative research have been framed and a patent fund has been set up for the university faculty. During the year 2017-18, five patents (2 Indian and 3 Foreign) were granted, seven patent Applications (4 Indian, 2 Foreign and 1 PCT) were published and 10 new Indian Patent Applications were filed. The University is framing guidelines for Technology Transfer by the University Faculty. A total of 204 patents have been filed so far.

## DIGITAL INITIATIVES OF THE UNIVERSITY

The University has undertaken several digital initiatives in the past years which include the following:

### Campus Connectivity

- Wi-Fi enabled campus and colleges
- NKN connectivity with 10G
- Robust ICT network spanning over campus and colleges
- MPLS VPN connectivity to all the colleges

### Value Added Services

- Integration of EDUROAM to facilitate Faculty Members and Research Scholars
- In-house Identity Management Services
- Open Source Technology Advocacy and Integration
- Integration with INFLIBNET resources

### **Digital Administrative Processes**

- Online Admission
- Online Fee Collection
- Online Student Grievance Redressal System
- E- Procurement
- Online System for House Allotment
- Online System for Hostel Accommodation
- Online System for Medical Bill Reimbursement
- Online Proforma for Faculty Appointments & Screening
- Online Confirmation of Services of Faculty
- Online Proforma for Teacher's Representation on College GBs
- Online Bill processing and tracking
- Online Research Project Management

### **Digital Research Initiatives**

- DU e-Journals
- University Research Grants
- Academic and Research Profiles of Faculty Members
- Ph.D. Evaluation and *Viva Voce*

### **Digital Teaching Initiatives**

- Use of virtual classroom software, web-casting and video-conferencing
- Online teaching and learning resources through MOOCs
- Subscription to e-journals and resources

### **Digital Initiatives of the DU Library System**

- e-ShodhSindhu
- J-Gate@e-Shodh Sindhu
- Accessible resources for Visually Impaired
- Internet Access Facility
- Digital Collection of Ph.D. theses
- Electronic Databases

### **Digital Initiatives of Examination System**

- Online fee collection system for Transcript, Duplicate Degree/Statement of Marks, Attestation of Degree/Statement of Marks, Verification of Degree/Statement of Marks, Revaluation/Rechecking
- Dedicated, comprehensive and user friendly online portal of the Examination Wing providing easy access to datesheets, results, notifications, services and forms
- Online portal for receiving marks of theory examinations, internal assessment and practical papers
- Processing of results for all undergraduate courses and most of postgraduate courses through result processing software
- Online application for Advance Degree/Duplicate Degree/Attestation of Degree/Special Certificate
- Online Examination Hall Tickets and Online Admission Tickets
- Web-generated statement of marks
- Conduct of computer based online entrance examination for the first time in 2017 for nine professional undergraduate programmes at 13 cities across the country in three shifts

- Conduct of computer based online entrance examination for all postgraduate programmes, professional undergraduate programmes, M.Phil. and Ph.D. programmes at 18 cities across the country including Delhi

#### FACULTY AWARDS/HONOURS

- Prof. Soumendra M Patnaik, **Department of Anthropology**, Vice Chancellor, Utkal University
- Prof. D. P. Sarkar, **Department of Biochemistry**, appointed as Director, IISER Mohali.
- Prof. Suman Kundu, **Department of Biochemistry**, Suresh C. Tyagi Oration Award, 2017.
- Prof. Vijay K. Chaudhary, **Department of Biochemistry**, Outstanding Alumnus award of the College of Basic Sciences and Humanities by the G.B.Pant University of Agriculture and Technology on November 2017.
- Dr. S. Goel **Department of Botany**, Elective Council member of Association for Promotion of DNA Fingerprinting and Other DNA Technologies (ADNAT), CCMB, Hyderabad.
- Prof. V. Agrawal, **Department of Botany**, Fellow of Linnean Society of London.
- Prof. Akhilesh K. Verma, **Department of Chemistry**, UGC Mid-Career Award 2017.
- Prof. R. Chandra, **Department of Chemistry**, 105th Indian Science Congress Millennium Plaques of Honour award, 2017-18.
- Prof. Rama Kant, **Department of Chemistry**, Acharya J. C. Ghosh Memorial Medal (2016) of Indian Chemical Society
- Prof. Parbati Biswas, **Department of Chemistry**, CRSI Charusita Chakravarty Memorial Lecture Award 2017, Indian Institute of Science.
- Prof. P Venkatesu, **Department of Chemistry**, Professor Bhupendra Sahai Saxena Award -2017 from Association of Chemistry Teachers, Mumbai.
- Prof. P Venkatesu, **Department of Chemistry**, Bronze Medal – 2017 received from Chemical research Society of India (CRSI), Bangalore.
- Prof. Ajay Kumar, **Department of Commerce**, Appreciation Award in recognition of commendable services rendered for the Empowerment of Divyangjan by Chairman of Vision Divyang Foundation, 2017.
- Dr. Vandana Mishra, Deputy Director, **Developing Countries Research Centre** received IPSA National Young Political Scientist Award-2016 at the IPSA National Conference in Chennai on 15 November 2017.
- Prof. Pami Dua, **Department of Economics, Delhi School of Economics**, Distinguished Alumni Award, Lady Shri Ram College, University of Delhi, April 2017.
- Prof. Pami Dua, **Department of Economics, Delhi School of Economics**, Member, Monetary Policy Committee, RBI, 2016-20.
- Dr. Subarno Chatterjee, **Department of English**, Acadmic Writing Fellow, Rockefeller Foundation, Bellagio Center, Italy, October-November 2017.
- Prof. Maharaj K. Pandit, **Department of Environmental Studies**, Hardy Fellow, Radcliffe Institute for Advanced Study, Harvard University in the area of Life Sciences.
- Prof. Maharaj K. Pandit, **Department of Environmental Studies**, Fellow of Indian National Science Academy (INSA), New Delhi, India.
- Prof. Inderjit Singh, **Department of Environmental Studies**, Distinguished Ecologist Award by Ecological Society of America.
- Dr. Ritesh Kumar Mishra, **Department of Financial Studies**, Prof. M.J. Manohar Rao Young Economist Award (The Indian Econometrics Society) – 2017.
- Dr. Surajit Sarkar, **Department of Genetics**, Innovative Young Biotechnologist Award-2017

- Prof. R. B. Singh, **Department of Geography, Delhi School of Economics**, Vice President for second consecutive term (2016-20) of the highest world geographical body - International Geographical Union.
- Prof A. Chattopadhyay, **Department of Geology**, Fellow, West Bengal Academy of Science and Technology (WAST) in Januray 2018.
- Prof. Pankaj Srivastava, **Department of Geology**, Fellow of the Clay Minerals Society of India, Kolkata
- Prof. N. C. Pant, **Department of Geology**, Deputy Chief Officer, Geosciences Group of the Scientific Committee on Antarctic Research (SCAR) (2017-2020).
- Dr. Sneha Lata Negi, **Department of Hindi**, Mahashweta Devi Rashtriya Samman and Sahitya Samman, Gwalior Sahitya Sansthan(MP).
- Dr. K. P. Singh, **Department of Library and Information Science**, ‘DLA- Distinguished Faculty Award-2017, conferred by Delhi Library Association (DLA).
- Prof. Ajay Kumar, **Department of Mathematics**, Fellow of the National Academy of Sciences in 2017.
- Dr. Vijyant Agarwal, **Department of Manufacturing Processes & Automation Engineering**, “Best Professor Award in Operations & Manufacturing” by Dewang Mehta National Education Awards.
- Prof. J.S. Viridi, **Department of Microbiology**, President-Elect 2018, Association of Microbiologists (AMI) of India.
- Prof. Chandra K. Jaggi, **Department of Operational Research**, International Best Researcher Award 2017 for his contributions in the field of Inventory and Supply Chain Management at 7th International Science Congress in Bhutan by International Science Community Association on December 08, 2017.
- Prof. Chandra K. Jaggi, **Department of Operational Research**, Bharat Vikas Award by Institute of Self Reliance, Bhubaneswar, India, for Loyalty, Diligence & Outstanding Performance in the field of Operational Research in November 19, 2017.
- Prof. Aleem Ashraf Khan, **Department of Persian**, Hakim Abol Qasam Serdowsi Cultural & Art Sign.
- Prof. A. K. Tyagi, **Department of Plant Molecular Biology**, JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.
- Prof. A. K. Tyagi, **Department of Plant Molecular Biology**, GM Modi Award for Innovative Science & Technology, 2017.
- Prof. Girdhar K. Pandey, **Department of Plant Molecular Biology**, Fellow of National Academy of Agricultural Sciences (NAAS), New Delhi, India (2018).
- Prof. Girdhar K. Pandey, **Department of Plant Molecular Biology**, Foreign Expert Award, Institute of Agri-Biotechnology and Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).
- Prof. J.P. Khurana, **Department of Plant Molecular Biology**, Goyal Prize (in Life Sciences) by the Goyal Foundation, Kurukshetra University, Haryana, in April 2017.
- Prof. J.P. Khurana, **Department of Plant Molecular Biology**, Shri Om Prakash Bhasin Award (in Biotechnology) by Om Prakash Bhasin Foundation, New Delhi, in April 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, Birbal Sahni Award Medal of the Indian Botanical Society for 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017.
- Prof. Paramjit Khurana, **Department of Plant Molecular Biology**, General Secretary (Outstation), National Academy of Sciences, Allahabad, India, (2018-2019).

- Dr. Nasreen Chowdhory, **Department of Political Science**, Vice President, International Association for the Study of Forced Migration (IASFM).
- Prof. Navnita C. Behera, **Department of Political Science**, Vice President elect, International Studies Association.
- Prof. Vinay Gupta, **Department of Physics & Astrophysics**, ISCAS Silver Medal-2017.
- Dr. M. Dwivedi, **Department of Sanskrit**, “Vividha-puraskara (Sahitya)” by Uttara Pradesh Sanskrita Sansthan on the Book Titled “Kālidāsa strī abhidhāna mālā” in December, 2017.
- Prof. Manoj Kumar Jha, **Department of Social Work**, elected as Honourable Member of the Rajya Sabha.
- Prof. Sanjai Bhatt, **Department of Social Work**, Prof. V.K.R.V Lifetime Award in Social Sciences which has been given by the Indian Social Science Association.
- Dr. Sanjoy Roy, **Department of Social Work**, Personality of the Year (2017) By Reguerdon INC.
- Prof. Nandini Sundar, **Department of Sociology**, Malcolm Adiseshiah Award, 2017 for Distinguished Contributions to Development Studies.
- Prof. N. M. Kamal, **Department of Urdu**, A.G. Nassakh Award by West Bengal Urdu Academy, Kolkata 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, Hum Sab Ghalib Award (National), Ghalib Institute, New Delhi, 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, Bihar Urdu Academy Award, Government of Bihar, Patna, 2017.
- Dr. Mohammad Kazim, **Department of Urdu**, John Gilchrist Award.
- Prof. Rup Lal, **Department of Zoology**, Kuldeep Dhatwalia Excellence Award-2017 from Chaman Seva Sansthan, Himachal Pradesh for exemplary work, achievements, commitment and contributions in the development of nation.
- Prof. Y. Singh, **Department of Zoology**, Appaji Rao Best Mentor Award from IISc Alumni Association in 2017.

#### FACULTY AWARDS/HONOURS IN MEDICAL SCIENCES

- Dr. Renu Chauhan, **Department of Anatomy (UCMS)**, ‘Distinguished Doctor’s Award in July, 2017 by IMA on doctors’ day celebration.
- Prof. S.K. Bansal, **Department of Biochemistry (VPCI)**, Elected Secretary General, Biotechnology Society of India, 2017.
- Dr. S. Garg, **Department Community Medicine (MAMC)**, Dr. K.N. Rao Memorial Oration in 62<sup>nd</sup> Annual National Conference of IPHA at King’s George Medical University (K.G.M.U.), Lucknow, Uttar-Pradesh.
- Dr. V. Mendiratta, **Department of Dermatology & STD (LHMC)**, ‘Best Teacher Award’ in Dermacon 2017, Kolkata.
- Dr. V. Choubey, **Department of Dermatology (MAMC)**, Prof. V. N. Sehgal award for excellence in MD (Dermatology including Leprosy & STD).
- Dr. C. Grover, **Department of Dermatology (UCMS)**, “BM Ambady Oration” in January, 2018 for “Onychology: an integral and vital part of clinical and surgical Dermatology” by Indian Association of Dermatologists, Venereologists and Leprologists during the proceedings of DERMACON 2018, 46<sup>th</sup> National Conference of IADVL, at Kochi, Kerala.

- Dr. D Pandhi, **Department of Dermatology (UCMS)**, Sardarilal Memorial Award on 3<sup>rd</sup> December, 2017 for lifetime achievement in the specialty by IADVL Delhi state branch during CUTICON at New Delhi.
- Dr. C. Grover, **Department of Dermatology (UCMS)**, “BM Ambady Oration” by Indian Association of Dermatologists, Venereologists and Leprologists for “Onychology: an integral and vital part of clinical and surgical Dermatology” during the proceedings of DERMACON 2018, 46th National Conference of IADVL, held at Kochi, Kerala, 18-21 Jan 2018.
- Dr. Anuradha Chowdhary, **Department of Microbiology (VPCI)**, Women Achiever Award in Health Care in March, 2018 at International Women’s Week, Amity University, Noida.
- Dr. K Guleria, **Department of Obstetrics and Gynaecology (UCMS)**, Fellowship of Indian College of Obstetrics & Gynecology (FICOG) in January, 2018 at 61st All India Congress of Obstetrics & Gynaecology, held at Bhubaneswar, Odisha.
- Dr. R. Sharma, **Department of Obstetrics and Gynaecology (UCMS)**, Dr. Suneeta Mittal’s Gold Medal on Population Stabilization, in November, 2017
- Dr. R. Sharma, **Department of Obstetrics and Gynaecology (UCMS)**, FOGSI – Imaging Science Award in January, 2017 for “Evaluation of Myometrial thickness at different gestations for prediction of labour in Preterm premature rupture of membranes” at 61st All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar.
- Dr. L. Maini, **Department of Orthopaedics (MAMC)**, Indian Orthopaedic Association Arthroplasty Fellowship 2017.
- Dr Manjula Jain, Director Professor of **Department of Pathology (LHMC)**, appointed as President of Indian Association of Pathologist and Microbiologist ( Delhi Chapter)s
- Dr. S. Roy Choudhury, **Department of Pediatric Surgery (LHMC)**, elected as President of Delhi chapter Indian Association of Pediatric Surgeons (IAPS).
- Dr. Vandana Roy, **Department of Pharmacology (MAMC)** delivered the 11th Professor Nasim Ansari Oration at the Ibn Sina Institute of Medieval Medicine & Sciences, Aligarh, April 7<sup>th</sup>, 2017.
- Dr. Arun Lata Agarwal, **Department of Psychiatry (GIPMER)**, Indian Media Welfare Award on 17<sup>th</sup> June 2017.
- Dr. Raj Kumar, **Department of Pulmonary Medicine (VPCI)**, Environmental Excellence Award 2017, on 28<sup>th</sup> December, 2017 for Exemplary Contribution for protecting environment by Environment and Social Development Association (ESDA) Delhi, India.
- Dr. Raj Kumar, **Department of Pulmonary Medicine (VPCI)**, Fellow, National Academy of Medial Sciences, New Delhi, 28<sup>th</sup> October, 2017.
- Dr. Gyan Saurabh, **Department of Surgery (LHMC)**, Fellowship of the Royal College of Surgeons of Glasgow, FRCS (Glasg) on 26<sup>th</sup> May, 2017.
- Dr. Manoj Andley, **Department of Surgery (LHMC)**, Fellowship of Royal College of Surgeons of Glasgow, FRCS (Glasg) in July, 2017
- Dr. V. P. Gupta, **Department of Ophthalmology (UCMS)**, Bundelkhand Gaurav Samman by Bundelkhand Vikas Parishad, June 2017.
- Dr. V. P. Gupta, **Department of Ophthalmology (UCMS)**, Lacrimal Award 2017 awarded by All India Ophthalmological Society, February 2018.



## SEMINARS/CONFERENCES/WORKSHOPS ORGANIZED

(Selected list is provided below. Complete list is given under Departments/Centres)

- **Department of African Studies** organized ‘International Ambedkar Conclave: Constitution, Education, Skill Development, Economy and Entrepreneurship for SCs & STs held by the Forum of SC and ST Legislators and Parliamentarians at the Vigyan Bhawan, New Delhi on 27-28 November 2017.
- **Department of Anatomy (UCMS) and ENT** organized a workshop on “Hands on Head & Neck, Cadaveric Dissection and Reconstruction”, October 12<sup>th</sup>-14<sup>th</sup>, 2017.
- **Department of Anesthesia (MAMC)** organized a monthly clinical meet of Delhi Chapter of ISA November 2017.
- **Department of Anthropology** organized a National Seminar on "Anthropology, Health and Development: Trends and Future Perspectives" from February 20-21, 2018.
- **Department of Arabic** organized a two-day International Seminar on the topic “Diaspora Literature: Socio Cultural and Historical Aspects” on 17-18 March, 2018.
- **Dr. B. R. Ambedkar Centre for Biomedical Research** organized 11<sup>th</sup> Symposium on Frontiers in Biomedical Research during 19-21 February, 2018.
- **Department of Biochemistry** organized Symposium on “Strategies to Combat Diverse Human Diseases”, held on 13<sup>th</sup> November, 2017, funded by DU-DST Purse Grant.
- **Department of Biochemistry (LHMC)**, organized a CME Symposia on “Preventing Atherosclerosis Nutrition and Lifestyle” at G.B.Pant Hospital, August 6<sup>th</sup> 2017.
- **Department of Biochemistry (MAMC)** organized Symposium cum Workshop on “Coagulation Disorders and Metabolic targets of anti- platelet therapy: an update” on 11<sup>th</sup> November 2017.
- **Department of Biological Sciences and Engineering**, Faculty of Technology organized two day conference BESCON-2017 “National conference on Biological Engineering in 21 century” on 8<sup>th</sup>-9<sup>th</sup> September, 2017, at NSIT supported by SERB (DST).
- **Department of Biophysics** organized talk by Prof. Vladimir Ubersky: Department of Molecular Medicine, University of South Florida, Tampa, Florida USA. Unusual Biophysics and Strange Biology of Intrinsic Disorder, 13<sup>th</sup> December 2017.
- **Department of Botany** organized 3<sup>rd</sup> Plant Proteomics Workshop “Mining Proteome and Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond” on 19<sup>th</sup>-23<sup>rd</sup> December, 2017.
- **Department of Buddhist Studies** organized seminar on “Himalayan Buddhism: Continuity and Change”, University of Delhi, March 26-27, 2018, under the CAS-I Programme.
- **Department of Business Economics** organized Forty-Fourth Annual Convention on “Innovation India-Inclusive Growth, Digitalisation and Job Creation” at the S.P. Jain Centre, University of Delhi South Campus, New Delhi on 14 October, 2017.
- **Department of Cardiology, (GIPMER)**, organized First Delhi Intervention Council Meet under the auspices of Cardiology Society of India, Delhi Branch, November 17, 2017.
- **Department of Chemistry** organized International Conference on Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14<sup>th</sup> January, 2018.
- **Cluster Innovation Centre** organized a one day lecture-cum-workshop on Digital Humanities on 13<sup>th</sup> April 2018.
- **Centre for Innovation in Infectious Disease Research, Education, and Training (CIIDRET)** Organized 1st National Workshop on Protein Purification and Characterization, on February 6-9, 2018.

- **Department of Commerce**, University of Delhi and Academy of Indian Marketing organized the 6<sup>th</sup> Annual International Commerce Conference (AICC) on the theme, 'Digital Outreach and Future of Marketing Practices' on January 11-12, 2018.
- **Department of Community Medicine (MAMC)**, organized a workshop on Maternal Death Surveillance Response and Maternal Near Miss Review (MDSR) Dec. 20<sup>th</sup>-21<sup>st</sup>, 2017.
- **CFNEU, Food and Nutrition Board** and **Department of Community Medicine (UCMS)** organized "Training of Trainers programme on Nutrition and Health Education for NGO personnel in the department", Dec. 19<sup>th</sup>-20<sup>th</sup>, 2017.
- **Prof. D. S. Kothari Centre for Science, Ethics and Education** organized a two day conference on 15-16 February, 2018, on "*Identities and Education*" in collaboration with Department of Sociology and Department of Education (CIE), University of Delhi.
- **Department of Dermatology (LHMC)**, organized 2<sup>nd</sup> Geriatricon IADVL-DSB, May 14<sup>th</sup> 2017.
- **Developing Countries Research Centre** organized ICSSR sponsored two weeks Capacity Building Program from 16-29 May 2017.
- **Department of East Asian Studies** organized Workshop on 'The History of East Asia' on November 21, 2017 for College teachers.
- **Department of Economics** organized Two-day Workshop on Economics of ICTs (Information and Communication Technologies): Transformation, Digital Divides and Development on 22-23 February 2018.
- **Department of Education** organized International conference on ICT for education, Sponsored by the IASE-MHRD, New Delhi, 27 January 2018.
- **Department of English** organized a three day International Conference on "Interrogating Disability Studies: Literature, Culture, Performance", in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademi on March 8-10 2018.
- **Department of ENT and Anatomy (UCMS)**, organized a Workshop on "Hands on Head and Neck Cadaveric Dissection and Reconstruction" October 12<sup>th</sup> to 14<sup>th</sup>, 2017.
- **Department of Electronic Science** organized Open House Project Presentation by IEEE WIE-Delhi on April 29<sup>th</sup> 2017 at Delhi University, South Campus.
- **Department of Financial Studies** in association with Department of Humanities and Social Sciences, IIT Kanpur, organized a One-Day Research Seminar on "Financial Integration in the South Asian Region" under ICSSR Sponsored Research Project: "Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues" on April 1, 2017.
- **Department of Genetics** organized one day interactive meeting on 'Cell Fate and Signaling' was held on 13<sup>th</sup> October 2017 with support from DST Purse Grant.
- **Department of Genetics** organized symposium titled "Recent advances in molecular genetics with new biomedical insights", jointly organized by INSA, New Delhi and the Israeli Academy of Sciences and Humanities held at INSA, New Delhi, February 12-13, 2018.
- **Department of Geography** organized UGC SAP-DRS III National Seminar on Emerging Frontiers in Resources, Environment, Urban and Regional Planning, December 23-24, 2017.
- **Department of Germanic and Romance Studies** organized World Literature: Postcolonial Perspectives from 15-17 March 2018;
- **Department of Hindi** organized National Seminar on 'Adivasi Sahitya, Sanskriti Aur Kala: Chhantayan Evam Sambhavana' with collaboration of Indira Gandhi National Centre for the Arts (IGNC), New Delhi; 12-13 April, 2018.

- **Department of History** organized International Conference on “Empires: Towards a Global History” with funding from the Weatherhead Initiative on Global History, Harvard University, The Global History Network and the University of Delhi, on 3<sup>rd</sup>- 5<sup>th</sup> December 2018.
- **Department of Information Technology**, Faculty of Technology organized a Short Term Course (STC) on the theme “Information Security and Digital Forensics (ISDF-2017)” was organized from 05<sup>th</sup> to 09<sup>th</sup> June, 2017 by the department at NSIT.
- **Institute of Informatics & Communication** organized workshop on “Unleashing Entrepreneurship in ESDM India” on 25<sup>th</sup> January 2018, S. P. Jain Centre, University of Delhi South Campus.
- **Department of Instrumentation and Control Engineering**, Faculty of Technology organized International conference named “Signal Machine and Automation”, held during February 23-25, 2018 at NSIT Campus.
- **Campus Law Centre, Faculty of Law** organized K.K. Luthra Memorial Moot Court Competition in January 19-21, 2018 which saw participation from over 60 Universities.
- **Department of Linguistics** organized a series of four Workshops on Phonetics and R (October 23-27, 2017) by Professor Peter Keegan, Auckland University, New Zealand.
- **Faculty of Management Studies** organized a one-day National Conference of FMS on ‘Rethinking Management Education in Digital Age’ at Conference Centre, North Campus on 10<sup>th</sup> February, 2018.
- **Department of Mathematics** organized International Workshop on Recent Advances in Operator Semigroups, December 18–21, 2017.
- **Department of Microbiology (MAMC)**, organized two NACO-BD CD4 Good Laboratory Practices (GLP) training programs for Laboratory Technicians of CD4 testing laboratories nominated by NACO, August 1-2, 2017 and August 3-4 2017.
- **Department of Microbiology (UCMS)** organized workshop on “Antibiotic Stewardship”, December 2017; UCMS & GTBH, Delhi, under IAMM – DC. Oct. 2017.
- **Department of Modern Indian Languages and Literary Studies** organized One Day National Seminar *Sindhi and Other Indian Languages: Literary Interactions*, sponsored by the NCPSL, MHRD, New Delhi, January 13th, 2018.
- **Faculty of Music and Fine Arts** organized the Malhar Utsav 2017 on 31<sup>st</sup> August – 1<sup>st</sup> September, 2017.
- **Department of Neonatology (LHMC)**, organized a conference on Quality improvement strategies for optimizing neonatal health care delivery for mentors in association with QI CELL KSCH at LT, KSCH, October 28<sup>th</sup> - 29<sup>th</sup>, 2017.
- **Department of Obs & Gynae (UCMS)** organized 39<sup>th</sup> Annual Conference of Association of Obstetrician and Gynaecologist of Delhi AOGD), New Delhi, November 18<sup>th</sup>-19<sup>th</sup>, 2017.
- **Department of Operational Research** organized Seminar-Cum-Workshop on Business Analytics and Intelligence, February 10, 2018.
- **Department of Orthopedics (MAMC)** organized 6th MSK imaging CME, 6<sup>th</sup> August, 2017.
- **Department of Persian** organized Hazrat Amir Khusrau Dehlavi Lecture Series held on “*Nikat-e-Bedilke do Urdu Rajuman Ka Taqabuli Mutalea*” supported by NCPUL. 23<sup>rd</sup> May, 2017.
- **Department of Philosophy** organized ICPR lecture of Prof. Lui Zhen, National Institute for Advanced Humanistic Studies, Director, Gandhi Centre on “The *Maitreyavyakarana* (in *Śataka* form) as Evidence for Cultural Exchange between China and India” on 7<sup>th</sup> November 2017.
- **Department of Physics & Astrophysics** organized a Joint International Conference Econophys-2017 & Asia Pacific Econophysics Conference (APEC)-2017, held during November 15-18, 2017.

- **Department of Physiology (MAMC)** organized a Symposium on “Defining molecular drivers of ageing and their implication in related diseases.” November 18<sup>th</sup>, 2017.
- **Inter Disciplinary Centre for Plant Genomics**, co-organized 4<sup>th</sup> International Conference on Duckweed Research and Applications, along with the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.
- **Department of Plant Molecular Biology** organized National Symposium on Database Development and Biocuration 2018 on 6-7<sup>th</sup> April 2018.
- **Department of Psychology** organized International conference on “The Indian Culture and Psychology: A Consciousness Perspective” 22-27<sup>th</sup> March 2018.
- **Department of Pulmonary Medicine (VPCI)** organized 42<sup>nd</sup> workshop on Respiratory Allergy: Diagnosis and Management, April 24<sup>th</sup> -28<sup>th</sup>, 2017.
- **Department of Pulmonary Medicine (VPCI)** organized a workshop on Update on Bronchial Asthma & Good Nebulization Practice, November 30<sup>th</sup>, 2017.
- **Department of Punjabi** organized two-day National seminar on the topic “Kartar Singh Duggal Centenary Seminar in collaboration with Sahitya Akademi, on 13<sup>th</sup> -14<sup>th</sup> November, 2017.
- **Department of Slavonic and Finno-Ugrian Studies** organized Annual Film Festival: Little Europe, Diaspora in Cinema from 23<sup>rd</sup> Oct to 30<sup>th</sup> Oct, 2017.
- **Department of Social Work** organized *Women's Leadership Summit* –08th April 2017 jointly with Department and Women's Manifesto, sponsored by Human Welfare Foundation.
- **Department of Statistics** organized Faculty Development Program on Financial Statistics during December 20-22, 2017.
- **Department of Surgery and Anatomy (UCMS)** organized a workshop on “Acute Critical Care”, January 1<sup>st</sup>, 2018.
- **Women's Studies & Development Centre (WSDC)** organized National Workshop on “Gender Mainstreaming through Research on Women's Issues” in collaboration with Association of Commonwealth Universities, 18-23 December 2017.
- **Department of Zoology** organized INSCR International Conference 2017 (IIC-2017) on “Role of Microbe-Plant-Animal Interactions in Human Health” under the aegis of Department of Zoology University of Delhi, Indian Network for Soil

## ELECTROPRENEUR PARK AND INCUBATION CENTRES AT THE UNIVERSITY

### A. Electropreneur Park

Electropreneur Park has been set up under the aegis of the Ministry of Electronics and Information Technology, Software Technology Park of India (STPI) and India Electronics and Semiconductor Association (IESA) to support start-ups in electronic system design and manufacturing (ESDM). The main objectives of the Park include creation of holistic eco-system for encouraging R&D, innovation, entrepreneurship in the ESDM sector in India, enabling creation of Intellectual Property, provide assistance during prototyping, development and commercialization for the products produced through the scheme for India and other growth markets, creation of employment at various levels, creation of long-term partnership with strategic sectors. Achievements by the startups at the Electropreneur Park include:

#### Focus on Mentoring of Incubatees

- **Strategic Mentors:** Key leaders from various industrial domains
- **Master Mentors:** Established entrepreneurs, leading angel investors and business leaders in various domains

- **Functional Domain Mentors:** Industry gurus across management functions such financial control, marketing, PR, HR and others
- **International Mentors:** leading international mentors to enhance global competitiveness

#### **Overall Progress of the Electropreneur Park**

- **Incubated startups** 17 Start-ups, 1 Pre-incubated
- **Startups Graduated** 8 Start-ups , 6 Startups generating revenue
- **Products developed** 19 New Products created. Additionally, 14 Working Prototypes created
- **IP generated**
  - 10 IP filed
  - 8 provisional patents filed
- **Startups funded** 6 Startups externally funded
- **Revenue generation** 20 Million INR revenue generated by startups
- **Value created:** INR 770 Million, estimated current valuation of start-ups, Incubated by Electropreneur Park

#### **Startups under incubation at Electropreneur Park in 2017-18 are:**

<b>Startup Name</b>	<b>Product</b>
<b>Gene Origin*</b>	Wearable health monitoring device for diagnoses based on Indian Ayurveda principles
<b>Odoinfomatics*</b>	Non-invasive, wireless Cardiac activity monitoring solution
<b>Trydan Motors</b>	Unique electric bike and scooter with advanced sensors and controls
<b>GenElek *</b>	Cost effective, light-weight Bamboo based exoskeletons for differently-abled
<b>Motohoop</b>	IoT based ride assistant for motorcycles to provide realtime information on map and road condition to the rider
<b>Agro2o</b>	Indoor, Intelligent, automated hydroponics system for growing fresh herbs, medicinal plants, veggies and flowers

\* Startups by students from University of Delhi

#### **B. Technology Business Incubator**

The Ministry of Micro, Small Medium Enterprise (MoMSME) has supported the Technology Business Incubator (TBI) at the Cluster Innovation Centre, University of Delhi (DUCIC, TBI) under the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubators". TBI has been set up with an objective to facilitate nurturing of ideas by promoting emerging technological and knowledge based innovative ventures. DUCIC-TBI (MSME), provides funding (through MoMSME), mentoring and co-working space to students facilitate start-ups So far, eight projects have been incubated and three profitable companies have graduated.

#### **C. Centre for Entrepreneurship and Career Oriented Programs (CECOP)**

The Centre has been set up to address Career oriented programmes to impart skill training to both teachers and students from various institutions of the University of Delhi.

#### **D. Innovation & Entrepreneurship Development Centre (IEDC)**

In order to promote and encourage young entrepreneurs Acharya Narendra Dev College has an Innovation & Entrepreneurship Development Centre (IEDC) that is sponsored by Department of Science & Technology, Govt. of India to develop an entrepreneurial culture among the academic institutions.

#### **E. Incubator in collaboration with Ministry of MSME**

With a vision to ignite a spirit of entrepreneurship and a passion for leadership and progressive business ideas among students, Atma Ram Sanatan Dharma College (ARSD), University of Delhi also established a Centre for Innovation and Entrepreneurial Leadership (CIEL), Technology Business Incubator (TBI), supported by the Ministry of Micro, Small and Medium Enterprise (MSME), Government of India.

#### **F. Design Innovation Centre at University of Delhi with funding from the Ministry of MHRD**

Design-centred innovation is a force multiplier that can help the country move up the value chain, making Indian industry globally competitive. In this context, Ministry of Human Resource Development proposed to launch a National Initiative for Design Innovation in the Twelfth Plan. Under this initiative, 20 new Design Innovation Centers (DIC), one Open Design School (ODS) and a National Design Innovation Network (NDIN), linking together all these schools, would be set up. University of Delhi was one of the 5 institutions that were granted the DIC project on the first round on a Hub and Spoke model, with the following partnership.

- University of Delhi (Hub)
- Jamia Millia Islamia, New Delhi (Spoke 1)
- Islamic University of Science and Technology, J&K (Spoke 2)
- NIFT, New Delhi (Spoke 3)

DIC, DU project is implemented by the Cluster Innovation Centre as part of its mandate to build an innovation ecosystem in the University and to provide facilities for idea-to-product-to-business. DIC

1. Promotes a culture of innovation and creative problem solving
2. Promote knowledge sharing and collaboration amongst industry, academia, Government Institutions, research laboratories, etc;
3. To serve as a location for the industrial collaborators to encourage their new Product Development in the campus using in-house facilities.
4. To serve as a place that imparts design based education and practice systematic design through projects to enhance interdisciplinary design-focused innovation and creativity.

Total Funding provided by MHRD is Rs. 10 Crores (Hub: 7 crores, Spoke: 1 crore each)

Operational since July 2015, DIC, DU has carried out many design innovation projects and offered courses on design thinking and entrepreneurship. It is in the process of establishing state-of-art Design and product development facilities. It offers Fellowships, Internships and Industry Linkage Programs to students with innovative ideas.

### **ACADEMIA - INDUSTRY LINKAGE**

The University's statutory provisions promote engagement of eminent persons from various fields such as industry, trade, business, journalism, music, literature, visual and performance art with the University. To promote academic industry linkages, the University is actively engaged in the following ways:

The Faculties of Management Studies, Social Sciences, Inter-Disciplinary & Applied Sciences, Commerce, Applied Social Sciences and Humanities, Medical Sciences, Technology, Cluster Innovation Centre, Institute of Informatics and Communication have established an active interface with industry partners. Some examples of the linkages are as follows:

- CIIDRET has organised Industry-Academia Interaction through ‘Entrepreneurship Guest Public Lecture Series’, which includes lectures by Entrepreneurs and the facilitators of Innovation.
- Leadership Lecture Series was started in Aug 2017 at Cluster innovation Centre. Four lectures were organised in 2017 – 18, inviting professionals from Tata Communications limited, IBM Research New York, IBM Research India and Pitney Bowes.
- A Seminar on “Goods and Services Tax (GST): The Road Ahead” was organized by Department of Commerce, University of Delhi on 28<sup>th</sup> February, 2018 in collaboration with PHD Chamber of Commerce and Industry.
- A MoU was signed on 22nd November 2017 between Design Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry with the objectives of organising events jointly to propagate Design Thinking & Innovation.
- The Department of Environment science participated in conducting Ecological Surveys & River Basin Studies with WAPCOS Limited, Gurgaon.

Several faculty members of the University offer Consultancy Services to industry, ministries and Governmental organizations based on expertise in their fields like UNESCO/SNA/CD; SCHLUMBERGER OIL; Ministry of Water Resources; Hindustan Zinc Ltd (HZL); TPDDL; M/s SPAN Diagnostics Limited Surat (M/s Arkray Health Care Pvt Ltd. Surat); M/s Yashraj Biotechnology Ltd., Mumbai (YBL); DRDO; NHPC Limited; NADP (Department of Business Management and Industrial Administration); GAIL (India) Limited; IRCTC; Britannia Limited; ICSSR; SEWA-THDC; CBM; Department of Women and Child Development; Indo Global Social Service Society (IGSSS); Oxfam India; Dugar Hydro Power Limited; AVA; RS Environlink Pvt. Ltd.

#### **MEMORANDA OF UNDERSTANDING WITH FOREIGN UNIVERSITIES**

To enrich its academic inputs and experiences, the University of Delhi has maintained its tradition of entering into academic collaboration with premier institutions. In its endeavour, the University has signed up for academic and research collaborations with many institutions globally. In the reporting period, MoUs and Agreements include:

- Paderborn University, Germany
- University of Edinburgh, UK
- University of Sheffield, UK
- Universidad Externado De Colombia, Latin America
- Philipps-Universitat Marburg, Germany
- University of Copenhagen, Denmark
- Instituto Camoes, Portugal
- Freiburg University, Germany
- National Chung Cheng University, Taiwan
- State University of New York at Oswego, USA
- The College of Law and Business, Israel
- University of Teacher Education, State of Vaud, Switzerland
- Macquarie University, Australia
- Samarkand State University, Uzbekistan
- University of Costa Rica, Central America
- National Chengchi University (NCCU), Taiwan
- National Pingtung University of Science and Technology, Taiwan.

## **EQUAL OPPORTUNITY CELL INITIATIVES**

During the period under report, the Equal Opportunity Cell of the university has continued its ongoing endeavours to provide multiple support systems for students with disabilities. These include providing volunteer support services, access to a high-tech computer lab, reading materials in accessible format, limited transport facility etc. In addition, some fresh activities were also undertaken.

Like the previous years, comprehensive support to students with disabilities was provided during the admission process by facilitating filling the online forms, counseling and addressing their individual grievances. Running of Short Term Courses and conversion of materials in e-text format have been some of its other activities. During the period under report, short term courses of three months' duration each were conducted for SC/ST/OBC and PWD students in ICT and English Communications. The Sign Language courses were open to all students.

Providing material in accessible format for visually impaired students has been one of EOC's major activities. During last year, more than 9400 volunteer hours were made available for this purpose and more than 700 books were converted into e-texts.

The EOC had two international events:

- A half day workshop was conducted for College Coordinators of various Enabling Units.
- In January, 2018, a group of Disability Experts from Nepal visited Delhi University to learn about the accessibility provisions for persons with disabilities and see the facilities provided by the EOC.

## **PLACEMENT ACTIVITIES**

The University has a Central Placement Cell (CPC) to arrange employment opportunities for students pursuing Undergraduate, Postgraduate and Ph.D studies in all the constituent Colleges and Departments. The academic year 2017-18 was the tenth year of working of the CPC. This year 38 companies carried out on-campus selection drives at North as well South Campus. More than 1500 students were shortlisted with job offers from different companies and 1100 students got employment in various public and private sector organisations. There is a significant increase in the number of corporates jobs to Postgraduate and Ph.D candidates in 2017-18. Along with the regular CPC activities, under Capacity Enhancement Programme, experts from different fields were invited to interact with 1<sup>st</sup> and 2<sup>nd</sup> year students for providing them specialized career guidance and training in soft skills.

The Central Placement Cell acts on the advice of the Placement Cell Advisory Committee under Dean Student's Welfare, comprising of Deputy Deans Student's Welfare, consultant and placement coordinators from all the colleges and departments. The advisory committee monitors and guides the functioning of the Placement Cell. Different Capacity Enhancement Programmes were organized for students to develop their leadership skills.

Several departments have their own placement cells for career guidance and recruitment of students. Some of the departments have a high placement rate, which includes the Department of Biochemistry, Business Economics, Commerce, East Asian Studies, Economics, Social Work, Statistics and Faculty of Management Studies.

## **SKILL ENHANCEMENT INITIATIVES**

The University has implemented the Choice Based Credit System (CBCS) for the undergraduate programmes from the session 2015-16. Skill Enhancement Courses in B.Sc.(Hons.)/B.A./ B.Sc. Programme were included where these value-based and/or skill-based courses are aimed to provide hands-on-training, competencies, skills, etc. The University is actively involved in creating skilled manpower for industry requirements at various levels under the scheme Deen Dayal Upadhyay Centres for 'Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood (KAUSHAL).' The University signed an MoU with the National Skill Development Corporation (NSDC) for the introduction of skill-based courses for its students. The University also offers Bachelors programme in vocational courses in four of its colleges (College of Vocational Studies, Jesus and Mary College, Ramanujan College and Kalindi College) to promote higher-order skill development and augment employability in areas such as Tourism Management, Office Management and Secretarial Practice Management, Marketing of Insurance,



Human Resource Management and more. Further, Sri Guru Tegh Bahadur Khalsa College of the University has been sanctioned B. Voc courses in Multimedia Content, e-Learning and m-Learning, Forensic Science Techniques, Communication and Mass Media Production, Applied Computer Science, E-Taxation and E-Accounting and M.Voc Degree Programmes in Multimedia content, e-Learning and m-Learning, Forensic Science Techniques, Communication and Mass Media Production, Computer Simulation and Modelling. Ramanujan College of the University has been sanctioned B. Voc. Courses in Advertising & Digital Marketing and Animation & VFX.

## **SOCIAL OUTREACH**

The University is dedicated to serving individuals, society and the nation through its outreach and community engagement activities as an attempt to contribute to national development. Departments organise multiple initiatives in domains such as women's empowerment, environment, disaster response, urban community development and others. In order to build strong linkages with the community, the University has also adopted the Community College Scheme of the UGC. Under this scheme, neighborhood colleges are designated as Community Colleges with the aim to offer low cost and high quality education locally, that encompasses both skills development as well as traditional coursework, thereby providing opportunities to the learners to move directly to the employment sector or move into higher education.

The University had set up the Community Development Cell three years ago. Under this Cell, five villages – Jagatpur, Jharoda Majara, Mukundpur, Badarpur Khadar and Chauhan Patti were adopted. Subsequently, work under another important initiative called the Unnat Bharat Abhiyan of the Ministry of MHRD was also initiated in the five villages. Need based engagements in a "process" mode were continued in each of these villages by teams of students and faculty. These included initiatives for the augmentation of the basic infrastructure related to transport, water, sanitation and health. Community participation based work towards addressing the problems relating to lack of sanitation and waste management were specifically undertaken under the Swatchh Bharat Abhiyan. Community awareness on hygiene and sanitation was created and consolidated through endeavors with children, youth, women and the general population. Emphasis was on community participation in monitoring the cleaning of streets and drains, and spraying and fogging in collaboration with the MCD, as also on the dissemination of information with regard to prevention of dengue through the conduction of rallies, interactive sessions and distribution of pamphlets. Installation of dustbins, segregation of degradable and non-degradable waste, regular sweeping and cleaning of the drains in the villages has been undertaken.

Work on the provision of sustainable health services continued, using the forum of Mohalla Clinics and mobile van was continued. Health Camps, with excellent community mobilisation and participation were held in each of the villages through networking with local health providers. Medicines were also disbursed. Community residents have been encouraged to access the governmental schemes available for diverse sections of society. On popular demand, Mehendi training programmes were organised for young girls and women in all villages, and these registered immense participation. In undertaking all of these initiatives, the University is truly emerging as a *University beyond Classrooms* and one that is in touch with the critical realities of society.

## **QUALITY INITIATIVES**

The University has initiated several quality initiatives for improving the quality of teaching and learning at the University. As a part of Internal Quality Assurance Cell of University of Delhi, Quality Improvement activities have been organised on a regular basis by each Department/Centre for Quality Enhancement.

### **Students' Experience Survey**

The University has started taking classified feedback from the post graduate students through an innovative Students' Experience Survey conducted on an annual basis. This captures the complete academic experience of the students and provides suggestive inputs to the departments to continually strive for higher performance in all domains. In a recent survey, the average rating for all responses (across all Departments/Centres) for 'Overall Academic Experience' is much above average, i.e. between Good and Very Good. In a recent survey, across all respondents, 90% of the students acknowledged that they would recommend the University to others.

### **Benchmarking Exercise**

The Benchmarking Exercise of the University is also a unique attempt of the University to create a viable means of self-assessment by the departments on all criteria that are contemporarily relevant for an institution of higher learning against global benchmarks and standards. This exercise has been conducted on an annual basis and has an inbuilt mechanism for self-correction. The Benchmarking Exercise has helped in devising Quality Benchmarks as Assessment Criteria of quality initiatives by each Department in the following ways:

- To identify the gaps between the current parameters of the departments compared against the best performers.
- To identify standards and performances and providing a road map for continuous quality improvement.
- To improve processes that are critical to the growth of the University.
- To establish goals and identify additional avenues for improvement. The exercise will also create a better understanding of global practices.
- To promote quantum leaps in performance, fostering excellence and breakthrough thinking and innovation.
- To identify more effective ways of improving performance.

### **Handbook on Best Practices in Quality Teaching and Learning**

A monograph is being developed on the Pedagogy of Higher Education by the Faculty of Education with the intent to build understanding about the nature of the learner, the teaching learning process and the use of meaningful and innovative strategies for curriculum transaction. It takes into cognizance learner diversity and the width and vastness of academic subjects and disciplines and is titled 'Striving for Excellence in Higher Education: Unfolding the Pedagogic Dimensions'.

### **Quality Enhancing Workshops**

To institute a quality culture in the University, **workshops and events** are being organized by each Department/Centre for Quality Enhancement in various areas including Teaching and Learning, Research, Ethics, E-resources/Online Databases and Social Outreach.

## **SPORTS DISTINCTIONS**

Five sportspersons from the University of Delhi were the part of the contingent of Indian Universities team for the 7th World University Shooting Sport Championship 2018 held at Kuala Lumpur (Malaysia) in March 2018:

Mr. Nishant Sindhu  
Mr. Kismat Chopra  
Ms. Sarveshwari Kumari  
Ms. Ananya Chopra  
Ms. Soumya Gupta

The medalist:

Mr. Nishant Sindhu won Gold Medal in 10 Mtrs. Air Pistol Team (Men).

Seven students from the University of Delhi were the part of the contingent of Indian Universities for the 29th World University Games-2017 held at Taipei (Chines Taipei) in August 2017:

Mr. Kamal Sagar (Archery)  
Mr. Amoj Jacob (Athletics)  
Ms. Kanika Kanwal (Badminton)  
Ms. Riya Mukherjee (Badminton)  
Ms. Pinky Balhara (Judo)  
Mr. Sourya Pratap Rathi (Taekwondo)  
Ms. Himani Mor (Tennis)

Dr. Anil Kumar Kalkal, Director, Physical Education DUSC accompanied the above Contingent of Indian Universities as Head of Delegation for 29th World University Games 2017.

Seventy students from the University won Gold Medal/s in North Zone and All India Inter-University Tournament (men & women) in Chess (men & women), Yoga (women), Shooting (men & women) Judo (women), Athletic (men) Taekwondo (women), Archery (men & women), Wrestling (men), Aquatics (men & women), Basketball (Women), Table Tennis (women).

Fifty Four students from the University won Silver Medal/s in North Zone and All India Inter-University Tournament in Aquatics (men & women), Archery (men & women), Chess (men), Squash (women), Shooting (men & women), Judo (women), Power Lifting (men), Cycling (women), Table Tennis (men), Tennis (women).

Ninety Two students from University of Delhi won Bronze Medal/s in North Zone and All India Inter-University Tournament in Wrestling (men), Squash (men), Baseball (women), Badminton (men & women), Table Tennis (men), Netball (women), Shooting (men & women), Judo (women), Boxing (men), Best Physique (men), Cycling (women), Gymnastic (women), Yoga (women), Fencing (men & women), Archery (men), Wrestling (Greco Roman), Aquatics (men & women),. (Annexure-IV)

#### **Team Championship in All India Inter University Tournament 2017-18**

In Aquatics (men & women), Archery (men) Shooting (men), Chess (women) and Yoga (women) University team won Gold Medal in Overall Championship in All India Inter University Championship 2017-18.

In Shooting (men & women), Aquatics (men & women), Archery (men & women), Chess (men) and Squash (women) University team won Silver Medal in Overall Championship in All India Inter University Championship 2017-18.

In Aquatics (men), Baseball (women), Fencing (men & women), Netball (women), Shooting (men), Squash (men), Table Tennis (men) and Badminton (men) University team won Bronze Medal in Overall Championship in All India Inter University Championship 2017-18.

## GENERAL FACILITIES AND PROGRAMMES

### ALUMNI AFFAIRS

In a year of consolidation, charismatic attainments, pioneering Firsts and trendsetting manifests, placed at Global Alumni Ranking 21 out of 4300 HE institutions globally by QS World University Ranking 2018 Edition London, our Alumni continue to attain national and international eminence. The parent University of Delhi Alumni enhanced Mentor – Donor – Partner links in pursuance of its avowed banner – mast “Towards a Meaningful, Fulfilling DU – Alumni Dynamic” continued to be steered by Professor Sydney R Rebeiro Adviser / Dean Alumni Affairs University of Delhi .

The year began on a memorable high with Percipience: Eminent Alumni Lecture Series Lecture 2 by alumnus Supreme Court Judge The Hon’ble Dr Arjan K Sikri on “Fundamental Duties under the Constitution of India – Forgotten Virtues? ” 21 April 2017 before a packed assembly of academicians, students and select alumni in The Viceregal Lodge .

To mark DU Foundation Days 01 May 2017 / 2018 Vice Chancellor Professor Yogesh K Tyagi felicitated eminent alumni Dr Karan Singh Padma Vibhushan , Mr Justice Sanjay K Kaul Judge Supreme Court of India, media – scholar Dr Swapan Dasgupta, Member Rajya Sabha, India’s premier TV journalist Rajat Sharma, Sr Advocate Mukul Rohatgi AG of India 2014 – 2017 (a 4 – generation DU alumni family of High Achievers ) , CBI Chief Alok Verma and Dr T K Mishra Addl PS to The Prime Minister .

The first – of – its – kind Alumni Authors Library designed by Professor Sydney R Rebeiro , has grown and now counts autographed editions of books by High Achiever alumni such as Dr Kapila Vastysayan Padma Vibhushan, Amitabh Bachchan Padma Vibhushan, Dr Karan Singh Padma Vibhushan and ex CEC Mr Navin Chawla, Mr Gopalkrishna Gandhi ( former Governor, intellectual and grandson of Mahatma Gandhi), Awarding authors Upamanyu Chatterjee IAS, Amitav Ghosh and Dr Ramachandra Guha.

Eminent alumni in full regalia were in the Academic Procession at Convocation 94: 18.11.2017 where The Hon’ble President of India Mr Ram Nath Kovind (also DU’s Visitor) was chief guest. This included The Hon’ble Ms Justice Gita Mittal Acting Chief Justice High Court of Delhi and now Chief Justice High Court of Jammu and Kashmir, renowned artist Anjolie Ela Menon, classical danseuse Shovana Narayan, Anjali and Mr Tejender Mohan Bhasin CMD Indian Bank and now Vigilance Commissioner of India, Chancellor Dr. Ashok Chitkara of Chitkara University/ies, Vice Chancellor Dr. M Aslam Parvaiz MANUU Hyderabad, longtime CMD Maruti Udyog Mr Jagdish Khattar, eminent publisher Mr R P Jain MD of the 114-year-old publishing house Motilal Banarsidass, with Principal/Director Ms Aditi Mishra DPS Gurgaon/ International and former President ELSA.

Consequent to our sustained ReachOut endeavours, the steady stream of Alumni donations has gathered further momentum this session. Among our Alumni-donated Awards are The Principal Dr I P Mittal Scholarships of R 10 lakh donated by his wife Dr Ms Ved Mittal and his daughters Chief Justice Ms Gita Mittal and medical scientist Dr Vandana Roy, The Justice Awadh Behari Rohtagi Gold Medal donated by his son Sr Advocate Mukul Rohtagi, and The Kotu Ram Adlakha Alumni project donation of R 2-5 lakh.

Jurisprudential History was made with the elevation of Ms Indu Malhotra as the first lady lawyer to be directly appointed Judge Supreme Court of India and of Justice Gita Mittal as the first Lady Chief Justice of The High Court of Jammu and Kashmir. Our alumni, thus, constitute 9 of the total 27 Judges in Supreme Court of India, a record setting 33 per cent.

These distinguished alumni are The Hon’ble Chief Justice of India Ranjan Gogoi and Their Lordships Justice Madan B Lokur , Justice Dr Arjan K Sikri , Justice R F Nariman , Justice Dr D Y Chandrachud , Justice Sanjay K Kaul , Justice Deepak Gupta , Justice Navin Sinha and Justice Indu Malhotra .

The DU Alumni Roll of Honour continues at the High Courts of the Nation .

We count among our alumni Hon’ble Chief Justices Ms Gita Mittal High Court of Jammu and Kashmir 2018 , Mr Hrishikesh Roy High Court of Kerala, Mr Satish Kumar Agnihotri High Court of Sikkim , Ms Meenakshi Madan Rai High Court of Sikkim , Mr Tinliangthang Vaiphei High Court of Tripura , Mr Pradeep Nandrajog High Court of Rajasthan, Mr Ajay Kumar Mittal High Court of Punjab and Haryana and Mr Ajay Kumar Tripathi High Court of Chhattisgarh .

In the field of International Diplomacy, Foreign Secretary Dr S Jaishankar 2015 – 2018 and, currently, Vijay Keshav Gokhale IFS lead a brilliant global diaspora of Diplomacy with as many as 39 India Ambassadors across 5 continents 2018 .

Alumna Anu Kumari stood second in the All – India UPSC Civil Service Merit List 2018 while alumni Mohit Gupta , Aditya Mittal and Prashant Hirwani scored the first 3 positions in CA Examinations 2017.

Sportspersons Manika Batra won Two Gold Medals, One Silver and One Bronze in Table Tennis CWG 2018 and Apurvi Chandela hit a XXI Commonwealth Games CWG Bronze Medal 2018 .

Our network of Alumni Core Coordinators (Faculty) and Alumni Representatives has greatly expanded and covers over 110 Departments, Colleges, SOL and NCWEB.

Our DU Alumni Global Database has crossed 46000 names from multiple sources with the Very Eminent Alumni Short List at a significant 500.

Have served over 3000 Alumni-in-Need from 27 nations and have enhanced our counselling - guidance services to young and “midstream” alumni in the year under review.

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### **DELHI UNIVERSITY COMMUNITY RADIO**

Programmes were recorded/broadcast about free legal aid to poor by DLSA. An interview based programme was recorded/broadcast of representative of China Radio. Poetry Darbar in Hindi was also recorded. An Audio Link has also been established between DUCR and Miranda House, Hansraj College, Ramanujam College Indraprastha College for women. Few more colleges are also interested in establishing the link.

Volunteers of DUCR recorded a programme ‘Jashn-e-Azadi’ on the occasion of Independence Day. Students of DCAC College recorded and special programme were broadcast paying tribute to teachers on Teachers Day. Further, Election Commission requested DUCR to broadcast awareness jingle regarding voters list. The jingle was played twice daily for about a fortnight. Maulana Azad Medical College requested for broadcast message of ill-effects of Tobacco. Two messages were recorded by our volunteers and broadcast twice daily during the period of ‘No Tobacco Day’ Campaign. Students of CIC have started a series of radio discussions on GST. First episode was successfully recorded and broadcast from DUCR.

Students and Volunteers of Dept. of Urdu are continuing to make programme for Bazm-e-Urdu. Nearly 16 episodes have been recorded and broadcast. DUCR has produced 8 episodes for Ministry of Skill Development to create awareness amongst local community through Community Radio and has promoted the training programmes of furniture development & mechanical skills. For the last three months we are not able to broadcast any programme as the transmitter is out of order due to old age. DUCR needs complete renovation.

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### **DELHI UNIVERSITY LIBRARY SYSTEM**

#### **Major Activities and Achievements**

Delhi University Library System has taken several measures to revamp the Library and information services provided through its 34 constituent libraries, in keeping with the newly revised Ordinance XVI. A brief listing is given below.

**Print Resources:** The Library System added 15827 volumes of books to its collection. The total collections on as on 31 March 2018 are 1679099 volumes. The current Periodicals Subscribed by DULS is 947.

**Electronic Resources:** The DULS continued to strengthen the accessibility of electronic resources to the users. There are 48 electronic databases in different subjects and disciplines that are available to the user community of the University. These are as follows: ABI/INFORM Complete; Academic Search Premier; American Geophysical Union Journal; American Phytopathological Society; American Society for Microbiologist; Anthrosource; Britanica Online; Business Source Premier; Capitalism, Nature, Socialism; Capitalline Plus; CLA Plus; Credo (Formerly Xreferplus); Economic Literature; e-Jurix; Emerald Management Extra; Encyclopedia of Cyber Crime; Encyclopedia of Law Enforcement; Eikon; Economic and Political Weekly; India Time Series; Georef with Geo Science World; House of Commons British Parliamentary Papers; Humanities International Complete; India stats; Indianjournals.com; ISI Emerging Market – CEIC Asia; Legal Pundits; Lexis Nexis; LISA; LNCS; Making of Modern Law; Manupatra; Nature Publishing; New Palgrave Dictionary of Economics; New York Review of Books; Omnifile Full Text; Oxford Dictionary of National Biography online; Grove Art Online; PROWESS; Sage Online;

Science Direct; Scopus; Soc Index with Full text; Statesmen's Yearbook; Proquest Dissertation and Theses Full Text Database; Westlaw India; World Bank e- Library; WTO e-library; SSC Online; Science Online

#### Audio Book Resources and Braille Library

The Braille Library is actively engaged in supporting teaching, learning and research for visually impaired students and faculty members. It has 3 audio book production studios, 2 high capacity Braille embossers, network of 22 latest computers with software like Daisy System, Sparsha, OBI, PUTTY, Sigtuna, Jaw, Duxbury, Leap Office etc. There are 1820 audio books, 1928 Braille books, 1734 e-text and 401 books in E-Publishing format etc. The entire collection of audio books and e-text has been made available online and is accessible via ID and password at <http://bl.du.ac.in>. The library is regularly used by visually impaired students enrolled in the University. Presently 227 members are enrolled in the library. The website of Braille Library has large number of hits for downloading accessible materials and has circulated 2784 books on CDs. Braille Library is also a member of Sugamya Pustakalya under which the user can download the study material in the form of Audio Books or E-text at remote access.

#### User Services

DULS-Website: DULS-Website which includes the catalogue of selected libraries(OPAC);a provision of e-referencing, A-Z list of E-journals, Online Information Literacy Tutorial, Subject Portal, Ask your Librarian, access to electronic resources including open access resources and several other user friendly features, is in operation. Till date the website has been viewed by 684315 users.

Digital Library: The Library has digitized 14386 books out of copyright zone available in DULS and have been placed on the web for global internet accessibility using the Open Source Content Management System, namely, 'D-space'. The URL is <http://library.du.ac.in/dspace>.

Information Literacy Programme: DULS has initiated and regularly conducting Information Literacy Program since 2006 and organised a total of 163 Information Literacy programs in various departments and colleges of University of Delhi including 133 E-Resource Orientation programs, 15 Hands on Training Sessions, 15 One Day Workshops for Research Scholars in Social Sciences. In the current year DULS has conducted 15 Information Literacy Programs in Departments/Colleges and in Conference Centre. 555 students including P.G., Research Scholar & faculty members have attended the program.

Similarity Detection: The Central Library has been assigned the work of similarity detection for the research assignment submitted by students. Central Library has started similarity detection since December 2015 and a total of 3033 Ph.D Thesis and M.Phil Dissertations, and other research assignments have been verified.

Document Delivery Service: The J-Gate @UGC Infonet provides article-level access for all the databases subscribed by the UGC-INFONET Digital Library consortium, about 5,200 open access electronic journals, and print journals subscribed by 30 University libraries designed as Inter-Library Loan (ILL) Centers of the INFLIBNET Centre. The interface provides hyper link to articles that are available electronically and accessible in a given University so that a user can access and download articles. For articles from journals that are not available electronically or are not accessible in a given University, the interface facilitates semi-automatic generation of ILL request directly from user(s) to the INFLIBNET Centre or to one of the ILL Centre as the case may be. DULS is one of the 30 designated ILL Centers for the services.

Advantages of J-Gate@UGCInfonet include: Provides single window search option for all electronic databases and access to several journal articles which are made available online by 13,290 Publishers; Provides access to massive database of journal literature, indexed from 45,339 e-journals with links to full text at publisher sites; Provides access to about 23,410 open access e-journals in full text, having over 9,425,618 open access articles.

Availability of photocopies of print journal articles not available in DULS through Document delivery service.Utilize the Document delivery service by requesting other designated Universities to provide copy of the print journal articles.As a designated ILL Centre of J-Gate@UGCInfonet, DULS is also shouldering many responsibilities. In lieu of electronic databases available through UGC INFONET Digital Library Consortium, worth about INR 1,00,000, DULS shoulders the responsibility of supplying photocopies of the articles requested through J-Gate@UGCInfonet to the scholars throughout India. DULS being a large organization, having large collection of print and electronic information content mostly serves the information requirements of its users. Hence, there are very less requests for photocopies of the articles from DULS users to other Universities. However, as an ILL Centre, DULS is regularly supplying the photocopies of articles.

Human Resources: The training facility created in the Central Library for imparting training on 'Use of Computers in Libraries' has been conducting the training programme for the benefit of Library Staff of the University and College Libraries with the help of the resource Persons from DU Computer Centre.

Summer Internship: DULS continued to engage students of Master's Programme in the Library & Information Science as summer interns @ Rs. 7,500/- per month. 13 students have been given training in various Libraries during the period.

### **Seminars / Conferences / Workshops/ Exhibition**

Dr. Dharmveer Singh (University Librarian)

Attended three days National workshop entitled "VIVO Faculty Profile Management System and Discovery" organized by INFLIBNET, Inter-University Centre of UGC, Gandhinagar (Gujarat) by V.C.'s Nominee on 16-18 August 2017.

Coordinated the collaboration of NASSCOM Foundation with Indian Public Libraries Conference, at India Habitat Centre, New Delhi on 03-05 October 2017

Attended 63<sup>rd</sup> All India Library Conference of Indian Library Association, at Babasahed Bhimrao Ambedkar University, Lucknow.

Delhi University Library System was awarded ILA-Dr. L.M. Padhya Best University Library Award 2017 on 23-25 November 2017

Chief Guest of the valedictory Function of the Workshop on "Preventive Conservation of Manuscript/Rare book materials" at M.K.S. Institute of Social Science and Research Library, Darbhanga (Bihar) on 05-09 February 2018.

Was invited as a Guest of Honour by Manipur University, Canchipur Imphal (Manipur) at the Inaugural Function of the Five-Day's Workshop on the theme "Preventive Conservation of Manuscripts/Rare Document's at Imphal on 20-24 February 2018

Was invited as a Chief Guest at the workshop on "Web Scale Discovery Service: A Critical Analysis" organised by the All Librarians Development Welfare association, Bhopal (MP) on 29 March 2018.

Dr. Narender Kumar (Deputy Librarian DULS)

Coordinated various Electronic Resources through DULS at Maharaja Agrasen College, University of Delhi on 20 April 2017

Exploration and effective use of open access resources and School libraries. Refresher Course for School Librarian on 6 July 2017.

ICT Application in School Libraries. Refresher Course for school Librarian on 6 July 2017.

Five Laws in digital environment. Ranganathan's Birth celebration on 12 August 2017.

Electronic resources @ DULS for East Asian Studies Department of East Asian studies, University of Delhi on 11 September 2017.

Plagiarism: How to Avoid it: Chicago Manual of Style. Department of East Asian Studies, University of Delhi on 11 September 2017.

Issues in subscription of electronic resources: An experience, DESIDOC Workshop on 12 September 2017.

Google vs. Libraries. CCRT, Dwarka on 10 January 2018.

Searching techniques. Department of Sanskrit, University of Delhi on 27 February 2018.

Dr. Tariq Ashraf (Deputy Librarian SDCL)

Delivered invited talks at AMU, Academic Staff College, during Subject Refresher Course in Library & Information Science held during 22-23 September 2017

Acted as a Panelist on topic "Quality of Research" at Doordarshan on 18 October 2017

Conducted a Training Session at Acharya Narendra Dev College, University of Delhi maximizing Usage of E-Resources for Research" during November, 2017.

Delivered an invited talk entitled 'Leveraging Libraries for E-Governance' on 18 January 2018 during a two day conference "Transforming Public Libraries in India: Opportunities and Challenges in Digitizing and Delivering Information, Content and services: organized by Indian Public Library Movement (IPLM) and

Digital Empowerment Foundation (DEF) in collaboration with the government of Telangana held at MANUU, Hyderabad.

Delivered an invited talk entitled “Future of Academic Libraries: Need for Repositioning and Innovation” at Bennett University, Greater Noida on 22 February 2018 during ETTLS 2018.

Delivered an invited talk “Managing, Measuring and Maximizing Research: The Emerging Matrix” at Aggarwal College, Ballabgarh during International Conference on “Information Communication in Digital Era: Present Scenario and Future Perspectives (ICICDEPSFP-2018) on 25 February 2018.

Delivered and invited talk “Plagiarism: Issues & Strategies” at JK Business School on 30 March 2018.

Dr. Rajesh Singh (Deputy Librarian)

Delivered a lecture entitled “Major Open Access Academic Electronic Information Resources” as a resource person on 5 September 2017 in the Orientation Programme (OR-89) held from 24 August to 21 September 2017 organized by Centre for Professional Development in Higher Education (CPDHE) University of Delhi, Delhi.

Delivered a lecture entitled “Research Metrics: Impact Factor and h-Index” as a resource person on 27 November 2017 in the Orientation Programme (OR-91) held from 21 November 2017 to 19 December 2017, organized by Centre For Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.

### **Publications**

Ashraf, T. (Ed.) (2017). *Interdisciplinary digital preservation tools and technologies*. New York: Information Science Reference @ 2017.

Ashraf, T. (Co-Ed.) (2017). *From print to electronic: managing libraries in neo information environment*. New Delhi: Synergy Books Pvt Ltd.

Ashraf, T. (Co-Ed.) (2018). *Expanding digital footprints: role of libraries & information centre*. New Delhi: Asian Library Association.

Ashraf, T. (2018). Equality, inclusion and empowerment through E-Governance: Leveraging and repositioning libraries. *University News*, 56(06), 1-11.

Kumar, N. (2017). Usage of electronic resources at University of Delhi: A case study. *Collection Building*, 36(3), 96-107.

Singh, R. (2017). An overview of scholarly open access e-resources in medicine and health sciences. *Library Herald*, 55(3), 405-416.

Singh, R. (Co-Ed.) (2017). *Cracking UGC NET in library & information science*. New Delhi: Navshila Prakashan. ISBN 978-93-80169-92-7.

Singh, R. (Ed.) (2017). *Internet sansadhaan evam pustakalay (Hindi)*. New Delhi: Today and Tomorrow's Printers and Publishers. ISBN 81-7019-571-X.

### **Activities in Other Major Libraries**

Central Library (Including the Arts Library):

The Central Library (including the Arts Library) has been able to add a collection of 5986 volumes in the last financial year with a membership of 3837 users and the circulation of 52000 books. 26000 books in Urdu and 3000 books in Braille library have been computerized. The library has been providing Plagiarism Checking Services to its students and teachers. A dedicated desk has been established with trained staff to check research work and generate similarity reports. To search an item available in the Library, four computers have to log on to OPAC installed on ground floor of the Library. The Internet access facility provided for exclusive use to research scholars at Research Floor in the Central Library is being utilized regularly by an average number of 25-30 scholars per day. The Library is subscribing 267 Periodicals in print format. The Library sent 435 documents on loan to other University and received 163 documents from other organization as Inter Library Loan. The total collection of thesis and dissertation in Central Library is 37689. Approximately 2800 thesis and dissertations are consulted during the year. A number of visitors from Universities in different places like Agra, Banaras, Allahabad, Rohtak, Mahendergarh, Kerala, Karnatak, and Mumbai etc. visited the Library.



#### Central Science Library:

The Central Science Library has been able to add a collection of 1212 volumes in the last financial year with a membership of 2859 users and the circulation of 68000 books. The library has excellent setup of IT infrastructure for various IT related services. The subscriptions to electronic resources, downloading of articles etc., Live online demonstration to the users, Sending attachments to e-articles etc., Article alert and retrieval of information on the basis of search techniques, E-mail alert to faculty members etc. on new information are also provided. The Library has been able to provide the services to users of all faculties from science, social sciences and humanities. The library received and sent a number of documents / articles to and from different libraries in the country through JCCC. A number of computers and electronic equipment have been added to augment the computerized services by including the laser printers, LCD Printer, Scanners etc. It also has Books on CD's and DVD's. The current periodicals subscription including print and online is 213.

#### Ratan Tata Library

Ratan Tata Library introduced 1459 volumes in the last financial year with a membership of about 2074. The RTL has augmented its computing facility and unique e-library with 105 terminals to access various resources and one High End server. The Library has also updated its website with more value additions. The orientation programme for various departments with special reference to e-resources has been taken up. The total periodicals subscription of RTL is 290 including print and online journals it also have approximately - 1500 thesis and dissertations in its collection. It also acts as a depositing of UN's and Govt. of India's publications.

#### South Delhi Campus

South Delhi Campus Library introduced 2498 volumes in the last financial year with a membership of 1519 users and the circulation of about 14467 books. The total collection of Library approx. 2lakhs consisting of books, bound journals and CD-ROMs. The CDs received with books may be accessed through the CD server. Subscription to nearly 173 print journals, 15450 back volumes of periodicals and is fully computerized. All library services are fully automated and are leveraged through extensive ICT based applications. Library activities like circulation-Issue-return, reminder, membership, Acquisition-ordering and billing, Serial Control, OPAC takes place in a fully automated environment using Troodon Library Management system. The entire library is covered by CCTVs both for security and monitoring purposes. The Library has an e-resource centre, placed extensive signage across the library, completed the bar coding of books and organised the orientation programme. The Library has CD-ROM, Supplementary Reading materials and previous years question papers in its digital collection.

#### Faculty of Music and Fine Arts Library:

The Library of Music and Fine Arts has a total collection of 16353 books with a membership of 283 users. A large number of visitors from outside Universities also visited the library. In its digital collection it has 2643 cassettes, 1143 CD's 104 Talking Books beside 305 Braille Books. As an extension of Audio Visual Library it has a Listening Room with 10 CD players where students can listen to the audio material.

#### Law Faculty Library:

The Law Faculty Library is one of the major Libraries in DULS which caters the need of Law students. It has a membership of 1324 users and able to add 678 books in its collection the total member of bound periodicals are 55055. It has 32 computers for providing computerized services

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### **DELHI UNIVERSITY SOCIAL CENTRE CO-ED SCHOOL**

Delhi University Social Centre Co-ed Secondary School is becoming one of the known schools in the nearby area. It is situated in midst of residential area of Block – C, Maurice Nagar, Delhi – 07. A small group of voluntary women organization had started the school in the year 1945. In fact they had a humble beginning at the behest of Sir Maurice Gwyer in pre independent INDIA. Since 1964 the school gets 95% aid from Delhi Govt. and 5% from Delhi University. The Delhi University was provided with a modern building for the school during the period of Vice Chancellor Prof. Moonis Raza from its own funds maintained by Engineering Department of DU. the DU every year also grant in additional aid of 10-12 lacs for contractual staffs and infrastructure facilities. The DU has also allotted us the Prof Quarter C-4 adjacent

to the school. Few primary classes have been shifted in that building. We were able to start a Nursery section in that building which is quite popular. The school was upgraded from 8<sup>th</sup> to 10<sup>th</sup> standard in 2003.

The Managing Committee of school consists of 13 persons: 6 professors nominated by Delhi University, 1 Executive Council member, 2 nominated by Delhi Govt., 3 from school & 1 from Parent Teachers Association. The School Staff consist HOS along with 6 TGT, 6 Asst. Teachers, 1 Yoga Teacher, 1 PET teacher, 1 Drawing Teacher 1 peon, 1 Chowkidar and on Contract: 1 Office asstt., 1 Library teacher, 2 Nursery Teacher, 1 Nursery Aaya, 1 I.T. assistant, 1 Computer teacher and 2 Safai Karamcharies (Contract or daily wages basis).

### **Academic and Co-curricular Activities**

The school has strength of around 600 students. We are happy that it is shaping as a good school in the Area. The result of class Xth was 65% whereas the overall pass percentage of Delhi was 70%. It shows that the school is moving on the path of success with full vigor which is evident from the class Xth CBSE result. Therein every student has passed flying marks. Even no student got less than 'D' Grade. It's a good achievement. Therefore enrollment of students is continuously increasing for the last 5 years but due to shortage of space we cannot accommodate more students. We have requested the University for Additional building which is in the progress.

Following functions were celebrated during the session 2015-16: Earth Science Week in month of April, Independence Day, Annual Day, Children's Day, Red Cross Day, Sanvidhan diwas from 26 November - 25 January, Republic Day, Bhagat Singh Martyr's Day on 23.03.2017.

### **Major Highlights**

Parents were also given counseling for motivating them to send their ward to school regularly and the improving their role in the education of their children.

Our school is a co-ed school with students in the age group of 10 – 15 years, guidance and counseling workshop were arranged with the help of Dept. of Social Work, Delhi University for the girl child.

The school had conducted a mock drill to create an awareness of natural disaster like earthquake among students.

Our school had organised a seminar on "Legal Literacy" on 'Legal Literacy Day'.

Students also participated in Gandhi ji Martyr's day at "Gandhi Bhavan".

The school participates in 'Flower Show' of Delhi University and received couple of prizes.

The school also participates in various activities of Directorate of Education and other education organization like Sports, Yoga, Drawing, and Debate competition etc. Students are taken for excursion. They also participated in various inter- school activities i.e. sports, yoga, debate & drawing etc. and won National Prizes (Taekwondo) also. Students were actively participated in the Zonal Competition.

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## **DELHI UNIVERSITY SPORTS COUNCIL**

### **Major Activities and Achievements**

In the chairmanship of Prof. C.S. Dubey, Delhi University Sports Council (DUSC), Delhi University Inter College competitions were conducted in 57 Games/Sports for men & women category followed by selection trials and coaching camps of University teams for North Zone and All India Inter-University Tournament for men & women category. University participated in 64 Games/Sports in North Zone and All India Inter-University (men & women) Tournament organised by Association of Indian Universities. A total of 685 students (men & women) represented the University in North Zone and All India Inter-University Tournaments for the year 2017-18.

### **Honors/Distinctions**

Five (5) students of the University were part of the contingent of Indian Universities team for the 7<sup>th</sup> World University Shooting Sport Championship 2018 held at Kuala Lumpur (Malaysia) in March 2018. The names are:

Mr. Nishant Sindhu, Mr. Kismat Chopra, Ms. Sarveshwari Kumari, Ms. Ananya Chopra and Ms. Soumya Gupta

Mr. Nishant Sindhu won Gold Medal in 10 Mtrs. Air Pistol Team (Men).

Seven (7) students of the University namely, Mr. Kamal Sagar (Archery), Mr. Amoj Jacob (Athletics), Ms. Kanika Kanwal (Badminton), Ms. Riya Mukherjee (Badminton), Ms. Pinky Balhara (Judo), Mr. Sourya Pratap Rathi (Taekwondo) and Ms. Himani Mor (Tennis) were the part of the contingent of Indian Universities for the 29th World University Games-2017 held at Taipei (Chines Taipei) in August 2017. Dr. Anil Kumar Kalkal, Director, Physical Education DUSC accompanied the above Contingent of Indian Universities as Head of Delegation for 29th World University Games 2017.

Seventy (70) students won Gold Medal/s in North Zone and All India Inter-University Tournament (men & women) in Chess (men & women), Yoga (women), Shooting (men & women), Judo (women), Athletic (men), Taekwondo (women), Archery (men & women), Wrestling (men), Aquatics (men & women), Basketball (Women), Table Tennis (women). Fifty Four (54) students won Silver Medal/s in North Zone and All India Inter-University Tournament in Aquatics (men & women), Archery (men & women), Chess (men), Squash (women), Shooting (men & women), Judo (women), Power Lifting (men), Cycling (women), Table Tennis (men), Tennis (women). Ninety Two (92) students won Bronze Medal/s in North Zone and All India Inter-University Tournament in Wrestling (men), Squash (men), Baseball (women), Badminton (men & women), Table Tennis (men), Netball (women), Shooting (men & women), Judo (women), Boxing (men), Best Physique (men), Cycling (women), Gymnastic (women), Yoga (women), Fencing (men & women), Archery (men), Wrestling (Greco Roman), Aquatics (men & women).

### **Team Championship in All India Inter University Tournament 2017-18**

In Aquatics (men & women), Archery (men) Shooting (men), Chess (women) and Yoga (women) University team won Gold Medal in Overall Championship in All India Inter University Championship 2017-18.

In Shooting (men & women), Aquatics (men & women), Archery (men & women), Chess (men) and Squash (women) University team won Silver Medal in Overall Championship in All India Inter University Championship 2017-18.

In Aquatics (men), Baseball (women), Fencing (men & women), Netball (women), Shooting (men), Squash (men), Table Tennis (men) and Badminton (men) University team won Bronze Medal in Overall Championship in All India Inter University Championship 2017-18.

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## **DELHI UNIVERSITY WOMEN'S ASSOCIATION**

### **Major Activities and Achievements**

Delhi University Women's Association (DUWA) is a social welfare organization and was registered under the societies Registration Act XXI of 1860 (Punjab Amendment Act 1957) as extended to the Union Territory of Delhi, on 31st October, 1964, with the aim to promote and to carry on social, cultural, recreational, educational and economic activities for the benefits of the women in and around Delhi University. DUWA was started by Dr. Durgabai Deshmukh, a social activist, a great visionary and wife of the then Vice Chancellor Prof. C.D. Deshmukh with the vision of empowering deprived and under privileged women.

### **Facilities**

**Play Schools:** DUWA runs two pre-schools, Durgabai Deshmukh Balwadi and Usha Ganguly Sishu Vihar established in 1966 and 1967 respectively, to promote intellectual, emotional, social, esthetic and physical development of a child. The Balwadi is meant for the children from economically weaker sections where they are given free nutrition.

**Sahyog:** This programme helps school students of standard I to XII from the neighborhoods with the objective of improving their academic performances. In this tuition support programme, the children are served nutritious snacks and health drinks. Classes are held six days a week from 3 pm to 5pm with nominal charge of Rs. 25/- month.

**Vaatsalya:** The Vaatsalya was inaugurated in 14<sup>th</sup> November, 2008 by Prof. Deepak Pental. This is a child care programme runs 6 days a week from 8.30 am to 6.30 pm. This child care programme is meant to support the working mothers of University of Delhi. This facility is for age group 6 months to 6 year old

children and has accommodation for 55 children.

**Women's Hostel:** The DUWA established the working women hostel Sri Sadan to commemorate the international Women's year in 1975, for the benefit of single women teacher of Delhi University and affiliated colleges. The other two hostel i.e. Old DUWA Hostel and New DUWA hostel provide accommodation to the M.Phil and Ph.D. students of Delhi University. In Sri Sadan, 12 rooms single seated and old & new DUWA hostel, 25 seats; double seated.

**Mind Body Centre:** The Mind Body Centre was inaugurated on February 13, 2014 by Prof. Dinesh, Ex-Vice Chancellor, University of Delhi and Ms. Neelanjana Singh, Ex-President, DUWA. As problems of mind & body are interconnected, they need to be dealt in a holistic manner by the expertise of the naturopathy & detoxing, Homeopathy, Naturopathy, Yoga, Accupressure & Sujok Therapy. Promoting the wellness of the woman students & faculty of Delhi University is the prime objective of the centre.

**Homeopathic Consultation:** The idea is to provide the holistic treatment with no side effects. The registration fees is Rs. 100/- valid for a year and medicine cost is Rs. 30/-. The timings are 1 pm to 5 pm every day except Sunday.

**Psychological Counselling:** To provide individual counseling, family counseling, telephonic counseling email counseling. The objective of this facility is to provide a space for the female students and working women to help them cope with stress and other psychosocial issues. The registration fee is Rs.100/- valid for a year and Rs.10/- for every follow-up sessions. Timings: 10 a.m.-5 p.m.

**Drishti:** DUWA members have made significant contributions through Drishti Programme by addressing the needs of the visually challenged students of Delhi University. Members read out and record lessons, arranging study materials and provide emotional support to the visually challenged persons.

**Jagriti:** Recognizing the growing incidents of cancer among women this programme strives to spread awareness through organizing lectures, discussions, screening camps, street plays competitions and other activities among the students of Delhi University.

**Souvenir Shop:** The souvenir shop was launched in November 2014 to commemorate DUWA's Golden Jubilee Celebration which was inaugurated by Pro. Dinesh Singh, Vice-chancellor of Delhi University. The primary purpose of this activity is to promote the DU brand and to simultaneously inculcate a sense of pride and belonging amongst the students and other members of the DU community. The design and sale of the souvenir items is being managed by DUWA members. There has been a great demand for the some souvenir items like folders, sweat shirts, bags, pens, key chains, mugs, etc.

**Computer Literacy Programme:** In this a four-month computer course which is conducted to impart the basic knowledge that includes MS-Word, Excel, PowerPoint, Access and Internet. The aim of this programme is to help girls to acquire basic computer skills.

**Language familiarization Programme:** DUWA is taking the initiative of conducting free short term language familiarization courses for DUWA members, DU staff, faculty and students. The programme started with a four-five months course of Chinese Language & German Language.

**Library:** DUWA also provide library facility for hostel residents and for all DUWA Members and recently we have computerized and updated library facility with easily accessible to all the members.

**Garden & Environment Committee:** DUWA also conducted several awareness programme and workshop about raising awareness amongst the students towards sustainable development, recycling of waste, green management etc.

**Sports:** DUWA also arranged sports events for the children of School, Sahyog and for all the members to make them active and healthy.

**Community Services:** Members of DUWA also conduct Workshops and Seminars about the awareness of many Social Problems in nearby areas.

### **Honours/Distinctions**

DUWA Received Good Practice Award from University of Delhi on 22nd February 2015.

### **Main Activities of DUWA 2017-18**

“Free Cancer Screening & Health Awareness Camp” with the help of NICPR (ICMR) organised at DUWA Premises on 7 April 2017. Prof. Pami Dua, Dean of Research council, Delhi University inaugurated the camp

World Environment Day was celebrated on 5 June 2017. Prof. J. M. Khurana, Pro Vice Chancellor graced the occasion and participated in Tree Plantation drive with children in DUWA premises.

International Yoga Day was celebrated on 21 June 2017 and Acharya Bal Gopal Kishan from Aayush Ministry spoke on “Yoga and its benefits”.

One day seminar was held on 22 September 2017. The topic of the seminar was “Triple Talaq and its effect”. The speakers were Ms. Rukhsana Choudhary, Ms. Seema Abid and Ms. Themichon.

DUWA Annual Summer camp was organised from 15 May 2018 to 15 June 2018. Seventy children participated in different activities of learning

Diwali Mela, Annual Day function of DDB & UGSV School, Republic day, International Women’s Day, World Environment Day, was celebrated with verve and gusto.

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### DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION

**Major Activities and Achievements:** Directorate of the Hindi Medium Implementation publishes high standard text books in Hindi, primarily on Social Sciences and Humanities for the benefit of under-graduate and post-graduate students who opt Hindi as the medium of instruction. Since its takeover by the University of Delhi in 1978, we have published approximately 220 books so far. During 2017-18, we received 6 new proposals, out of which 4 are ready to send for printing. These include:-Vyavsayik Sanchar, Bimavidhi avum vyavahaar, Vedaaur Samkaleen Sandharbh and Rajneeti vigyan mein Shikshan vidhiyan

This year directorate took part in book exhibition organised by the Music Faculty, Delhi University and the New Delhi World Book Fair held at Pragati Maidan and had a record cash sale of Rs. 3,44,689/- in just nine days, the highest so far.

During 2017-18, the UGC has mandated various Central Universities all over India to establish Hindi Implementation Cells on the line of the DHMI to publish text books in Hindi/regional languages.

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### FOREIGN STUDENTS REGISTRY

The international student community continued to show its interest seeking admission to various programmes offered by the University of Delhi for the academic year 2017-2018. The office of foreign students received 4528 applications including 1144 applications of ICCR scholarship holders. In total 498 students, 231 females and 267 males were admitted to various programmes of the University of Delhi during the academic session 2017-2018. The University had on its role 1611 foreign nationals pursuing courses ranging from certificates courses to Ph.D. Programme. The office of Foreign Students Registry maintained close links with enrolled students, residential hostels, Embassies, Colleges, Departments and Institutions to ensure that international students did not face any problems pertaining to their academics. Many activities were also organised for students. The Orientation Programme was organised in November, 2017 for the students admitted during academic session 2017-2018.

Best Practises of Foreign Students’ Registry:

- Inter-Linkage with ICCR & MoEA: Informing candidates residing in other countries &
- facilitating selected students.
- Disseminating information : Disseminating Information based on the queries of foreign students
- through email and phone.
- Offering Integrated Services: Guide them about Colleges/Departments/FRRO/Hostel Admission/
- Facilities through Counselling.
- Launched New Website: The website contains various information regarding the process of
- admission. It also provides useful information to students to make their stay and study at the

- University of Delhi an enjoyable experience.
- Online Admission & Fee Collection: The admission process was streamlined through newly developed admission software and the collection of fees for all programmes is now undertaken online using an online software fee module.
- Transparency: The Data of enrolled students Year/College/Course/Country wise is shared online.
- Appointment of Nodal Officers : A Teacher has been designated as Nodal Officer for foreign Students for the benefit of foreign student already enrolled and those seeking admission in Colleges/ Departments.

#### **Actions Taken by Foreign Students' Registry:**

- Counseling of foreign students.
- Prepared list of Frequently Asked Questions and Guidelines.
- Meeting with Ambassadors for the benefit of foreign student already enrolled and those seeking admission in Colleges/ Departments.
- An Admission Committee is formed to supervise the complete admission process.
- The data of enrolled students is made available online on the Foreign Students Registry's website.

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### **GANDHI BHAWAN**

Gandhi Bhawan, University of Delhi is a centre dedicated to the study of words and works of Mohandas K. Gandhi, established on 24 July 1958. The main objective of the Gandhi Bhawan is to transmit the message of Gandhiji to the students of the University and arouse interest in his teachings. In the process of the realization of main and peripheral objectives, the University fraternity comprising of teachers, students and karamcharis, function through Gandhi Bhawan and Gandhi Study Circles in colleges as the spokesperson of Gandhian Thought and Philosophy. To realize these objectives, Gandhi Bhawan organizes various programs like Lecture Series/Special Talks/Seminars/Interactive sessions/Workshops, Book Reading, Awareness Programs, Film screening, Swachhta related events, Bhajan Sandhya, Debates, Nukkad Natak, Sports activities, Yoga-cum-Spirituality programs, and Visits to places of importance. Gandhi Bhawan has regular programs as Khaddi classes, Charkha Spinning classes, Free Legal Aid Clinic, Computer Classes for students to enhance their Hindi typing skills and Discourse on Gita. Gandhi Bhawan also conducts three months Certificate Courses in Charkha Spinning, Khaddi and Yoga and Meditation Training programme. Gandhi Bhawan celebrates Gandhi Jayanti and Observes Martyr's Day in addition to celebration and observance of various important days like Gandhi Jayanti, Matyrs' Day, Environment Day, Sushashan Divas, International Day of Yoga, etc.

#### **Major Activities and Achievements:**

On 1 April 2017, the H.E. Mr. Wen-je Ko, Mayor of Taipei City along with his delegates visited Gandhi Bhawan. The delegates also took interest in Charkha spinning and Khaddi.

On 10 April 2017, to commemorate the centenary year of Champaran Satyagraha, an Interactive Session on 'Understanding Gandhi' was organised. A documentary on Mahatma Gandhi was also screened. On the same day, in continuation of Swachata Abhiyaan at Delhi University a team of students, staff of Gandhi Bhawan with the Director, Gandhi Bhawan took Chhatra Marg and SOL road for cleaning.

On 12 April 2017, a Charkha-Lokgeet Pratiyogita was organised. In this competition, students represented various states including Punjab, Haryana, Delhi, Maharashtra, Bihar, Uttarakhand, etc. on theme 'Charkha' and sung lokgeet.

On 24 April 2017, a Special Talk on 'Gender Issues and the Law' by Mrs. Bulbul Das, Senior Advocate, Supreme Court of India. During the presentation the lawyer informed about various laws for women safety in India to the audience.

On 12 May 2017, a Special Talk was organised on 'Champaran Satyagraha aur Aaj ke yugmein Gandhiji ki prasangikta' by Shri Surendra Kumar, Former Secretary, Gandhi Peace Foundation, New Delhi.

On 9 June 2017, a special Yoga session was organised in collaboration with Ministry of Ayush, Government of India and Harijan Sevak Sangh, Kingsway Camp.

On 19 June 2017, in continuation of Swachhata Abhiyaan at Delhi University a team of students and staff of Gandhi Bhawan with Director, Gandhi Bhawan cleaned the premises including the Peace dome and library.

On 21 June 2017, the third International Yoga Day was celebrated in collaboration with the NSS Unit of Delhi University. On the same day, inauguration of three months Yoga Meditation Training Programme was launched a three months Yoga Meditation Training programme for the first time in Delhi University on 1 July 2017. Students from Pennsylvania University visited Gandhi Bhawan on 12 July 2017.

Geetabhasker Dr. M. L. Chawla, Principal Investigator (Retd.), Pusa, New Delhi delivered the special talk on 'Self-realization through Yoga' on 28 July 2017.

On 4 August 2017, the National Handloom Day in collaboration with the IIS, Ministry of Informational and Broadcasting, Govt. of India was celebrated. Many programmes including a quiz competition on handloom was also organised for the audience. On this occasion, Prof. Pami Dua, Dean Academic Activities and Projects, University of Delhi was the Chief Guest.

With an aim to promote Khadi and handloom products, an Exhibition-cum-Sale counter of Khadi and handloom products was set-up at Gandhi Bhawan from 8 – 11 August 2017 in collaboration with Khadi Ashram, Kamla Nagar, Delhi. A special discount of 10% was given to the customers. A competition on Charkha Katai was organised on 9 August 2017 at Gandhi Bhawan. Students participated in the competition with great zeal and enthusiasm. On 9 August 2017, Director, Gandhi Bhawan along with faculty, students, staff and general public at large took pledge on 'Sankalp se Siddhi' New India Movement (2017-2022).

Gandhi Bhawan organised various programmes to commemorate 75<sup>th</sup> year of 'Quit India Movement' and 70<sup>th</sup> year of India's Independence. Entries for Essay writing competition were sent to National Human Rights Commission, Govt. of India, New Delhi. The theme of the competition was 'Aatankvaad' organised by National Human Rights Commission, Govt. of India. On 15 August 2017, Independence Day was celebrated with full enthusiasm and patriotic spirit. Students, faculty and staff come together for a Heritage Walk to British era monuments – Flag staff tower, Choburza Masjid and other protected monuments at Kamla Nehru Ridge (North) on 26 August 2017.

A documentary on Mahatma Gandhi was screened on 29 August 2017 to propagate the ideology and philosophy of Mahatma Gandhi and his martyrdom for our nation.

Swachhata Pakhwada (1 - 15 September 2017): Gandhi Bhawan organised various programmes/events to spread awareness of and evoke sensitivity to virtues of sanitation and cleanliness to achieve the initiative of Swachh Bharat Abhiyaan. To achieve the stipulated objective, to start with, Director, Gandhi Bhawan along with students and staff cleaned its campus area – peace dome, library, store, overhead tanks, etc. Roadside vendors and general public were briefed about sanitation and cleanliness. Continuing with the programme, later on, surroundings of Gandhi Bhawan – Chhatra Marg, front and adjoining area of Gandhi Bhawan were cleaned. Officials of Municipal Corporation of Delhi (MCD) also joined the activity. Although the Swachhata Pakhwada was for 15 days but Gandhi Bhawan continued it till 2 October 2017. A Special Talk on 'Yog as Life Skill' by Dr. Shikha Gupta, Life Skills Trainer, Delhi University was delivered on 11 September 2017.

Gandhi Bhawan celebrated 'Hindi Divas' on 14 September 2017. On this day, Director, Gandhi Bhawan, interacted with the students to promote the use of Hindi in our day-to-day life.

On 25 September 2017, in continuation with the Swachh Bharat Abhiyaan programme, students along with staff of Gandhi Bhawan, in collaboration with Harijan Sevak Sangh, Kingsway Camp cleaned the roads, premises, parks, etc. at nearby Dhakka village. A logo making competition was organised with the theme – Gandhi Bhawan and its activities with explanation of idea behind the design, in the month of September 2017.

Gandhi Bhawan celebrated the Gandhi-Shastri Jayanti. Hon'ble Vice Chancellor, Prof. Yogesh Kumar Tyagi delivered the message of peace. The week-long event started from 27 September 2017 which includes Learning Charkha and Khaddi, Special Talks, Naturopathy consultancy/ interaction, free legal aid consultancy, demonstration of asanas, Walk to Bapukutir and Kasturba museum, etc. A half-day workshop on 'Benefits of Charkha Spinning' was organised on 6 October 2017. Resource persons, Shri Laxmi Dass, Executive Member, Gandhi Smriti and Darshan Samiti, Rajghat spoke on 'Charkha aur Chip.' Among others, Dr. Sita Bimbrahw, former faculty, Kamla Nehru College and Mrs. Shaswati Jhalani of Gandhi Smriti and Darshan Samiti participated in the programme.

Inauguration of Charkha spinning Certificate Course was held on 11 October 2017. This 24-hour/ three months course is being conducted in collaboration with Gandhi Smriti and Darshan Samiti, Rajghat, New

Delhi. On 26 October 2017, a special talk on 'Power and Science of Yog in Life' was delivered by Dr. Shikha Gupta, Life Skills Trainer, Delhi University. Students from Gandhi Bhawan visited Gandhi Darshan and Gandhi Museum, Rajghat on 27 September 2017 to see the virtual life of Mahatma Gandhi and his philosophy.

A documentary on the Iron Man – Sardar Vallabhbhai Patel 'Life and Time of Sardar Vallabhbhai Patel' by Doordarshan News was screened to commemorate his birth anniversary on 31 October 2017.

A Special Talk on 'Importance of Meditation in Buddhism' was delivered by Dr. Lee Chi-Ran, WFB HQ, WBUEx Co. Member World Buddhist Network, Korea on 13 November 2017. Gandhi Bhawan organised various events to observe The Constitution Day. A book reading session on the excerpts from the book 'Hindi Swaraj' by Mohandas Karamchand Gandhi was organised. Two chapters 'Machine' and 'Swarajkyahai' was taken up for reading.

A workshop on 'Revisiting Gandhi' was organised on 5 December 2017. The speakers - Shri Rajiv Vora, Chairman, Swarajpeeth, Gurugram, delivered a talk on 'Gandhi's Questions', Dr. Gajendra Singh, Department of African Studies, University of Delhi spoke on 'Gandhi in South Africa' and Shri Lajpat Rai, Satyawati College, University of Delhi presented a talk on 'Revisiting Gandhi-Tagore Debate.' An interactive session was organised for the participants of a three-day conference organised by the Gandhi Smriti, Rajghat at Dharamshala, Himachal Pradesh on 13 December 2017.

A Special Talk was delivered by Dr. Santosh Jain Passi, former Director, Institute of Home Economics, University of Delhi on 14 December 2017. A cleanliness drive was organised on 22 December 2017. Staff and students enthusiastically took part in it. A documentary 'Mahatma' was screened on 28 December 2017. An interactive session of the participants of All India University Camp held at Wardha, Maharashtra 23 – 30 December 2017 was organised. Participants shared their experiences about their stay, education and cultural diversity at Wardha, Maharashtra.

A photo exhibition on Tolstoy-Gandhi was organised with Department of Slavic Finno-Ugric Studies, University of Delhi from 18 – 22 January 2018 in collaboration with Embassy of Russia in India, Leo Tolstoy Museum-Estate 'Yasnaya Polyana' and National Gandhi Museum, New Delhi.

Gandhi Bhawan celebrated the Constitution Day on 25 January 2018. The Director along with students and staff also took pledge.

On 30 January 2018 the Martyrs' Day was observed. In the programme, Sarv Dharma Prarthana along with other programmes was organised. Prof. Yogesh Kumar Tyagi, Hon'ble Vice Chancellor, University of Delhi along with other dignitaries paid homage to Mahatma. A musical tribute to Mahatma Gandhi was organised.

#### **Facilities:**

Yoga Classes are held during Monday – Friday from 7:00 a.m. - 9:00 a.m. and from 1:00 p.m. – 5:30 p.m. Saturday: from 7:00 a.m. - 9:00 a.m. Meditation Class: Friday 4:30 p.m. – 5:30 p.m.

Gita Discourse is organized every Sunday from 10:00 a.m. – 11:00 a.m.

Charkha Spinning Certificate Course: Three months/ 24 hours. Held every Wednesday from 3:00 p.m. – 5:00 p.m.

Khaddi Certificate Course: Three months/ 24 hours. Held every Wednesday from 10:00 a.m. – 5:00 p.m.

Certificate Course in Yoga and Meditation Training: Three months/ 70 hours. Classes are being held thrice a week – Monday, Thursday, Saturday from 3:00 p.m. – 5:00 p.m.

On every Thursday, a programme – 'Meeting with the Vice Chancellor' was being held to take care of grievances from students, teachers and non-teaching employees of Delhi University. As on date, the same has been discontinued as per the decision of the Managing Committee.

Free Legal Aid Clinic in collaboration with DSLSA, Patiala House Courts, New Delhi is being run on every Friday from 3:00 p.m. – 5:00 p.m.

Computer classes for students are being held from 11:00 a.m. – 1:00 p.m. and 3:00 p.m. – 5:00 p.m. everyday in which basic know-how of computers and Hindi typing training are being provided.

Training of Short-hand and Typing in Hindi are being held in Gandhi Bhawan by Hindi Academy of Government of Delhi.



### **Other Significant Information**

Gandhi Study Circle: Apart from above-mentioned activities/ programmes, various colleges under the aegis of Gandhi Study Circle have also conducted various action-oriented programmes/ events at their colleges to imbibe Gandhian values among students/ youth. These colleges have been given a part-financial aid up to Rs. 10,000/- each by Gandhi Bhawan to conduct the programmes. The following are the colleges who organised programmes/ events on Gandhian values are as under: Ram Lal Anand College; Bhaskaracharya College of Applied Sciences; Daulat Ram College; Zakir Husain Delhi College; Maharaja Agrasen College

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## **GARDEN COMMITTEE**

### **Major Activities and Achievements**

#### **Development/renovation and maintenance of new Lawns and Gardens:**

Development of Herbal Garden near Garden Committee Office (under developing phase)

Development of 'Nakshatra' Garden near Garden Committee Office (under developing phase)

Development of 'Navgrah' Garden near Garden Committee Office (under developing phase)

Horticulture work related to maintenance of Lawns & Gardens at various Departments, Offices and residential areas on Campus on day to day basis.

Decoration work by displaying Foliage/Flower pots on various occasions at different Departments such as Lectures series, Seminars; the University Convocation Day, The University Foundation Day and special invitee functions organised by University of Delhi throughout the year.

60<sup>th</sup> Annual Flower Show – 2018:

60<sup>th</sup> Annual Flower Show was organised on 23<sup>rd</sup> February, 2018 at Mughal Garden (in front of Vice-Chancellor office), University of Delhi. It was inaugurated by Prof. Yogesh Kumar Tyagi, Hon'ble Vice-Chancellor, University of Delhi. Activities including display of stalls for various types of garden tools, Herbal & Medicinal Plants, and Ornamental Plants were organised during this event. More than 22000 visitors visited the Annual Flower Show. Participation by the J&K State Department of Floriculture showcasing unique flora was widely appreciated. About 100 running cups/trophies were awarded and several cash prizes were distributed to the Malis/exhibitors.

On the spot photography Competition:

A Photography Competition for all visitors and students of University of Delhi was organised on Friday, 23<sup>rd</sup> February 2018 from 10.00 a.m. - 1.00 p.m. at Flower Show Venue. Over 60 persons participated in the Photography Competition.

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## **INTERNATIONAL GUEST HOUSE**

### **Catering Arrangements**

Special catering arrangements were provided to four hundred sixty one bookings provided Lunch/Dinner/Hi-Tea/Conferences/Meetings/Seminars during the said period.

### **Rooms Accommodations**

During the period one thousand six hundred seventeen rooms were provided for accommodation and messing. Most of the guest stayed at IGH were foreigners and all the guest were satisfied by the services/food/behavior of the staff of International Guest House.

### **New facilities and amenities**

Making of Six Stone Almirah in guest rooms

Cleanliness Drive

White-wash of six guest rooms.

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## **NATIONAL CADET CORPS**

### **Major Activities and Achievements**

Enrolments of NCC Cadets in Senior Wing and Senior Division in the 45 colleges of the University of Delhi were conducted by the respective NCC Units and approximately 4000 cadets were enrolled. NCC cadets actively participated in various University level activities like Foundation day, University Convocation, Ambassadorial Lecture Series, Percipience- the Eminent Alumni Lecture Series, Republic Day Celebration, Independence Day Celebration, Workshop on Human Value Development, Road Safety Programme, Election Commission of India - SVEEP College Campus Ambassadors, Wall of Heroes etc.

NCC cadets also actively participated in Swachh Bharat Abhiyaan, Ekta Diwas, Basic Leadership Camp, Army Attachment Camp, Combined Annual Training Camp, Vayu Sainik Camp, Thal Sainik Camp, Nav Sainik Camp, Special National Integration Camp, Pre-Republic Day Camps, Republic Day Camp, CM Rally, PM Rally, Amar Jawan Jyoti, National Integration Camp, Youth Exchange Programme etc. organised by NCC Directorate. The appointment of Care Taker Officers (CTOs) to become future ANOs in the colleges of the University was coordinated by the In charge NCC, DU with the NCC Delhi Directorate to ensure all the units have Associate NCC Officers. The In charge NCC, DU was awarded Veerta Purskar 2017 on 9th Sept 2017 for her dedication and continuous contribution to promote NCC Activities. The In charge NCC DU was awarded the DG NCC Commendation Card on 27th December 2017 for her outstanding contribution to NCC Activities.

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## **NATIONAL SERVICE SCHEME**

In order to promote spirit of selfless community service in the volunteers a variety of programmes were organised under the aegis of NSS Centre by the volunteers of 63 College Units in the session 2017-2018.

Community Development Programme: 11 April 2017

Under Social Service and Community Development action Plan 2017 NSS Volunteers participated "Road Safety, Swachhta Abhiyan and Digital Literacy - Awareness Programme" on 11 April 2017. More than 450 NSS Volunteers spread the message of Community Service.

Slum Adoption Programme: May 2017

Under the Social Outreach Programme, thirty seven NSS units adopted slums nearby their respective colleges in order to render their social services in the field of Literacy, Sanitation, Health, Hygiene, Cleanliness, Women Safety and Skill Development.

International Day of Yoga: 21 June 2017

International Day of Yoga was celebrated by NSS Centre in collaboration with Gandhi Bhawan. Honorable Vice Chancellor, University of Delhi graced the occasion and boosted the morale of the participants. More than 200 NSS Volunteers from all colleges participated in the event. NSS Centre organised orientation cum practice sessions. The following events on Yoga were organised by NSS Centre: -Yoga demonstration, Different way of Yoga- Group Performance by NSS Volunteers of Mata Sundari College, Rythmic Yoga- Individual Performance by NSS Volunteers of Aryabhata College and Common Yoga Protocol was followed by the participants.

SVEEP College Campus Ambassador: July 2017

Appointment of SVEEP (Systematic Voters Education and Electoral Participation) College Campus Ambassadors. Volunteers from each college were nominated as SCCA to coordinate programmes/activities related to the Election Commission of India during 2017-2018 in coordination with the Chief Election Office, Delhi and the NSS Centre, University of Delhi.

SwachhtaPakhwara: 1 August to 15 August 2017

NSS units under the ambit of NSS centre observed Swachhta Pakhwara from 1st August – 15th August 2017. Oath was taken by the NSS units to devote one third hours for the cause of Clean India. Awareness about cleanliness was spread by the volunteers. Cleanliness drive was conducted in colleges and made

volunteers responsible towards social service. Door to Door Campaign and visit to local welfare agency were the key activities of Cleanliness drive. Swachhta Rally was also organised by the NSS units.

Celebration of NSS Day: 24 September 2017

On the occasion of NSS Day, Competition on alternative NSS Logo was organised in the NSS units. Best entries received by the NSS Centre were forwarded to the Ministry of Youth Affairs and Sports, Govt. of India.

Rally for Rivers: 2 October 2017

NSS Volunteers actively participated in the Rally for Rivers event on 2 October 2017 at Indira Gandhi Indoor Stadium, New Delhi. In the backdrop NSS Centre in collaboration with Isha Foundation organised workshop on 27 September and 29 September for understanding the importance of Rivers in our life. Our Volunteers became part of Nation-wide Campaign for Rally for Rivers.

National Integration Camp: 6 October 2017 - 12 October 2017

National Integration Camp was organised by NSS State Cell of Himachal Pradesh in collaboration with the State Govt. at Govt. College Seema (Rohru) Distt. Shimla, Himachal Pradesh. From NSS- DU ten NSS Volunteers with one Programme Officer attended the Camp.

Pre Republic Day Parade Camp: 25 October 2017 - 3 November 2017

Pre-Republic Day Camp selection was conducted by the State NSS Cell, Govt. of NCT of Delhi in which three NSS volunteers were selected from Atma Ram Sanatan Dharma College, PGDAV (Eve.) and Indira Gandhi Institute of Physical Education and Sports Sciences. Pre RD Camp was held at CCSHAU, Hissar, Haryana from 25 October to 3 November 2017.

Rastriya Ekta Diwas: 31 October 2017

On the occasion of the Birth Anniversary of Sardar Vallabhai Patel, Rastriya Ekta Diwas was celebrated by the NSS units on October 31<sup>st</sup> 2017. As part of the celebration NSS units conducted various activities like Pledge on Rashtriya Ekta, Unity Run and Street Play on "Unity". There was active participation of volunteers in organising the event and also pronounced involvement as goodwill ambassador in spreading the message about national safety, security and unity.

Workshop on Human Value Development: 13 November - 14 November 2017

A Workshop on Human Value Development was organised by All India Institute for Human Values and Resource Development on 13 November and 14 November 2017 at Ecumenical Centre, Janakpuri. Twenty five Volunteers actively participated in the Workshop.

Republic Day Parade Camp: 1 January to 31 January

In the RD Parade Camp from 1 January 2018 to 31 January 2018, one NSS volunteer from University of Delhi Ms. Khyati Puri from Atma Ram Sanatan Dharma College was part of NSS Contingent at Republic Day Parade 2018.

National Youth Day: 12 January 2018

National Youth Day was celebrated on the birthday of Swami Vivekananda. As a mark of befitting respect to Swami Ji, NSS units had organised the following activities:-

Film screening based on the life of Swami Vivekananda

Talk by NSS Volunteers on Vivekananda Philosophy

National Youth Festival: 12 January 2018 to 16 January 2018

Ministry of Youth Affairs & Sports, Government of India organised National Youth Festival at Gautam Buddha University, Greater Noida, Uttar Pradesh from 12 January to 16 January 2018. The theme of the festival was "Sankalp Se Siddhi". The objective of the festival was to provide opportunity to NSS Volunteers to showcase their talent through different activities such as cultural performance, sports, Suvichar, Youth Parliament. The NSS Centre selected ten NSS Volunteers from various colleges of University of Delhi participated in the Festival.

National Voters Day: 25 January 2018

In order to strengthen the Democratic norms in the volunteers, National Voters Day was celebrated on 25 January 2018. A pledge was taken by the volunteers to uphold the spirit of democratic tradition of our country.

**Khelo India School Games (KISG): 27 January to 10 February 2018**

Khelo India School Games was held with an objective of creating inspirational value amongst young and talented players in the country, and to create a platform for talent identification. Forty three NSS Volunteers provided their services in the Mega Event.

**International Youth Exchange Programme: 26 February 2018**

On 26 February 2018 twenty participants from Tunisia, North Africa visited Lakshmibai College, University of Delhi under an International Youth Exchange programme. Regional Director, Ministry of Youth Affairs and Sports interacted with the delegation and NSS Volunteers.

**International Youth Exchange Programme: 15 March 2018**

Maldivian Young Delegation (fifteen members) visited University of Delhi on 15 March 2018 as part of International Youth Exchange Programme between India and Maldives. NSS Centre facilitated the visit at Sri Guru Teg Bahadur Khalsa College. An interaction session was organised with the NSS unit.

**Participation in DU Activities/Functions**

Flower Show 23 February 2017

Ambassadorial Lecture Series 31 March 2017

Percipience- The Eminent Alumni Lecture Series 18 April 2017

Foundation Day 1 May 2017

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### **NON-COLLEGIATE WOMEN'S EDUCATION BOARD**

Non-Collegiate Women's Education Board (NCWEB) was established in September 1944 under University of Delhi Act 1943. The board facilitates the students to take part in some examinations without attending the regular classes. NCWEB emerged as an important academic option for the female students. Board had started with three students and at present catering the need of 26650 students. They are studying UG courses in 26 University of Delhi teaching centres. These centres are within Delhi area, fulfilling the academic needs of the students. Apart from UG centres one PG centre is situated in Tutorial Building, Arts Faculty. There are 15932 students in B.A. (Part I, II and III), 9781 in B.Com (Part I, II & III) and approx. 930 in PG course Part II & IV). Approx. 850 guest lecturers were appointed for this purpose. Details are as under:

For PG students 48 Associate Professors/Assistant Professors had been appointed as per the recommendation of their Head of the Departments.

The students had been given chance to participate in debate, creative writing competition in their respective teaching centres within the fifty days of short teaching span of NCWEB teaching. Cultural activities had also been provided to aware of the experience of college life. Apart from all in order to develop the competition in the students several inter-centre and cultural activities occurred. The glimpse of all these activities had been seen in the annual functions of the board and teaching centres. NCWEB e-magazine updated every year comprises of various articles and creative writings of 26 teaching centres.

Pass percentage of UG courses are as under:

Course	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year
B.A. (Prog.)	81.75%	85%	82%
B.Com	74.5%	83%	77%

The board facilitated the UG students of 26 teaching centres secured first 3 positions in the year 2017-18 in BA (Prog.)/B.Com and 44 students from M.A. secured 75% marks with a certificate.

Around 2027 books (free of cost) had been provided to the students during this year.

In the direction to achieve a new horizon to the women's education, Board is taking every step to reach its goal.

**Teaching Centres of NCWEB**

Aditi Mahavidyalaya; Aryabhatta College; Bhagini Nivedita College; Bharati College; College of Vocational Studies; Dr. Bhimrao Ambedkar College; Deen Dayal Upadhyay College; Hansraj College; Janaki Devi Memorial College; Jesus & Mary College; Kalindi College; Keshav Mahavidyalaya; Lakshmibai College; Maharaja Agrasen College; Maitreyi College; Mata Sundri College; Miranda House; Moti Lal Nehru College; PGDAV College; Rajdhani College; Ramanujan College; Satyawati College (E); SGGSC of Commerce; Sri Aurobindo College; SPM College; Vivekananda College; PG Teaching Centre

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### **STUDENTS WELFARE OFFICE**

The Dean Student's Welfare Office was engaged in the following activities during the academic year 2017-18:

#### **Counseling Activities**

**Open Days:** Open days were conducted at North Campus (Conference Centre). Open days were organised on regular basis to guide students in the process of admission. Altogether, more than 50,000 admission aspirants and parents attended these sessions. The aspiring candidates and their parents showed a high degree of enthusiasm and satisfaction after attending the open days.

**Transition:** Counselling sessions were conducted for the teachers from different schools of Delhi. The basic premise to conduct these sessions was to guide the teachers regarding the admission process in University of Delhi. The Entire process of admission was explained to them so that they could extend the necessary guidance to their students in respective schools.

**Help Desk:** Student Help Desk for undergraduate admissions was set up at the Conference Centre of Dean Student's Welfare Office. This step was initiated to assist aspiring students about the admission process. These help desks operated for more than a month from the Conference Centre.

#### **Admission Activities**

##### **Undergraduate Admission Co-ordination:**

The Dean Student's Welfare office along with OSD Admissions office coordinated the entire admission process, prepared University Information Bulletin for Admission to all categories (Gen/OBC/SC/ST/PwD) and analyzed the admission data on routine basis. Students of all categories Gen/SC/ST/OBC were allowed to register through an online registration form. The PwD candidates were provided all separate additional facilities related to their admissions. The bulletin of information was freely available online for the candidates.

Grievances of students belonging to SC/ST/OBC and PwD category was addressed by a committee constituting Dean Students' Welfare as chairperson and Deputy Dean, Student's Welfare as convenor. Deputy Dean, Student's Welfare, was also coordinating the ECA Admissions Committee. This year registrations to the PG Hostels were made centralized.

#### **Central Placement Cell Activities**

University has a Central Placement Cell (CPC) which caters to the employment opportunities for students pursuing under-graduate, post-graduate and Ph.D studies at the university level. The academic year 2017-18 was the tenth year of CPC of its working after the inception in the year 2008. The total number of students registered exceeded 16000 including internship registration. This year a total of 38 companies were short listed which carried out ON-Campus Selection Drives at North as well South Campus. More than 1500 students were shortlisted with job offers from different companies and 1100 students finally got employment in various public and private sectors with handsome salary packages. This year showed a significant number of corporate jobs to Post-Graduate & Ph.D candidates. Along with the regular CPC activities, this year under Capacity Enhancement Programme, experts from different fields were invited to interact with 1<sup>st</sup> and 2<sup>nd</sup> year students for providing them specialized career guidance. These workshops helped our students to interact with professionals to enhance their basic skills viz CV writing, facing interviews, self-assessment and self-employment. This year two such capacity enhancement programmes were conducted by DSW office.

**Internship Programmes:** Companies from across the country were invited to register with CPC for internship opportunities. Students from 1st and 2nd year from different colleges were selected by these companies. Two internship fairs were also organised with more than 1000 student participation. Accenture, Classroom teachers, Paytm, Orange Octopus, DAIS foundation, OYO Rooms were the prominent companies for internships.

Placements: Central Placement Cell builds liaison with business leaders and senior managers in reputed companies. The Central Placement Cell acts on the advice of the Placement Cell Advisory Committee under Dean Student's Welfare, comprising of Deputy Dean Student's welfare, consultant and placement coordinators from all the colleges and departments. The advisory committee monitors and guides the functioning of the Placement Cell. Different Capacity Enhancement Programmes were also organised for students to develop their leadership skills.

This year a sizable number of students got job offers from the companies like Amazon, Genpact, Navig8, Forex, Urbanclap, and Annual packages up to 11.00 Lac were offered to students registered with CPC. Leading organizations of international and national repute have partnered with University of Delhi for recruitment through Central Placement Cell.

Ek Bharat Shrestha Bharat: Dean Student's Welfare Office is the nodal office for handling and coordination the activities under this programme. The coordination is done both with the College's and MHRD. Different Colleges have been allocated activities under this programme and final compiled reports of these activities are later sent to MHRD.

Swachh Bharat Summer Internships: Dean Student's Welfare Office is also coordinating the activities like SBSI. This office works in close association with colleges and other concerned offices in working on the logistics and policy implementation framework of the programme.

Visit of school students from J&K under the aegis of MHRD: The DSW office hosted the Student Exchange programme on 23 January, 2018, wherein 350 students from J&K visited the Delhi University. Deputy Deans of the student's welfare office made a presentation and familiarized the students about education structures prospects in the university. The presentation was followed by an interactive session during which the students were invited to ask questions about the admission to various courses available in the University.

### **Cultural Council**

Culture Council helped in organizing the mentioned events:

Percipience Lecture Series: The Eminent Alumni Lecture Series to strengthen the continuing bond between the parent University of Delhi and its huge universally diaspora alumni. An interactive session was held on 21 April 2017 at Convocation Hall, Viceregal Lodge. The Wall of Heroes, an initiative of MHRD, depicts the portraits of war warriors honoured with Param Veer Chakra, India's highest military decoration for showing extraordinary courage and bravery to defend our country. The Inaugural Ceremony of the "Wall of Heroes" was held in the Conference Centre, University of Delhi on 2 June 2017 at 4:00 pm. Thailand Majesty Princess – Maha Chakri Sirindhorn and Thai military cadets visited Delhi University on 17 July 2017. On the occasion of Independence Day a Kavi Sammelan was held on 14 August 2017 at Old Vice Regal Lodge.

Theatre Workshop was organised by Culture Council from 24 July to 19 August 2017 for Edinburgh Fringe Festival Participants at Multipurpose Hall in the Sports Complex. International Theatre Performance: Blind Spots were performed at the Edinburgh Fringe Festival (21-28 August, 2017) by a team of 22 students and 3 faculty members. It had 8 back-to-back performances at the second largest venue in Edinburgh. 'Distinguished Lecture Series' on 'India's Foreign Policy and Security Challenges in the Contemporary World: First Ambassador Series Lectures, by Ambassador G. Parthasarthy on 'India's Foreign Policy and Security Challenges in the Contemporary World', was held on 17 January 2018 at the Convention Hall, Vice-regal lodge

From many past years Culture Council has been continuously supporting Faculty of Music and Fine Arts in organizing Vasant Utsav programme (February 2018). Inter College Ghazal Competition was held on 9 March, 2018 at Shyama Prasad Mukherjee College. The Honourable President of the Federal Republic of Germany Mr. Frank Walter Steinmeier visited the Vice Chancellor Office on 23<sup>rd</sup> March, 2018. During the Baba Sahib Dr. Bhim Rao Ambedkar's 127 birth century celebration a Cultural programme was organised on 14 April, 2018 at Viceregal Lodge. On the occasion of University Foundation Day on 1<sup>st</sup> May, 2018 a Cultural programme was organised by Culture Council at Viceregal Lodge.

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### **UNIVERSITY GUEST HOUSE**

#### **Major Activities and Achievements**

The University Guest House caters to the needs of major academic meetings by way providing accommodation and meals. It is also a venue for meetings. A number of examiners and visiting scientist are provided hospitality.

## Facilities

University Guest House has 33 rooms in the main building and 06 Bamboo Cottage rooms with attached bathroom, phone, TV etc. Two persons can stay in one room.

University Guest House provides free internet and Wi-Fi facility to the room guests.

University Guest House has a kitchen to provide safe, healthy, hygienic and delicious food.

University Guest House has a clean and spacious dining hall with the sitting capacity of 35-40 persons.

Guest House has a Lounge with mike and projector facility for meetings, get-togethers with the sitting capacity of 70-80 persons

University Guest House also has a small committee room for meetings around 10-12 persons.

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## UNIVERSITY PRESS

### Major Activities and Achievements

The University Press has taken various printing jobs, such as printing of degrees, Mark Sheets, Answer Books, Prospectus, Yearly Review, Annual Reports of the University, Academic Council/Executive Council minutes, printing of examination forms and several other items of the University and its colleges. Besides, binding of various records and registers etc. of the University was also completed.

Six printers are empanelled with the University Press for different kind of printing jobs currently. The Press Advisory Committee (PAC) has recommended for the preparation of the tender document for empanelment of printers for the year 2018-2020 which is in the process. The number of jobs executed during the financial year 2017-2018 were 488 valued at Rs.1,43,01,450/- and 559 dockets were opened.

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## ACADEMIC CENTRES

### AGRICULTURAL ECONOMICS RESEARCH CENTRE

#### Major Activities and Achievements

In view of the importance and continuing relevance of the research conducted by the Centre, the Union Ministry of Agriculture & Farmers Welfare has approved continuance of Grants-in-aid (vide letter No.F.No.12-1/2017-AER-ES dated 11-05-2018) to the Centre for two more years i.e., until 31 March 2020. Despite such uncertainty over funding and a resultant research staff crunch for most of the year, the Centre has completed the following important Research Study and submitted the report to Ministry of Agriculture and Farmers Welfare. Electronic National Agricultural Market (e-NAM): A Review of Performance and Prospects in Haryana. Research Study No. 2018/01 (Research Team – Prof. C. S. C. Sekhar, Dr. Yogesh Chandra Bhatt, Dr. Vishnu Shankar Meena, Mr. Vishal Dagar, Ms. Anusha Sharma, Ms. Nandi Negi and study was facilitated by Mr. Asghar Ali)

#### Publications

Sekhar, C. S. C., Roy, D., Bhatt, Y. (2017). Food inflation and food price volatility in India – Trends and determinants. Discussion Paper 01640, *International Food Policy Research Institute*, Washington, D.C.

Sekhar, C. S. C., & Bhatt, Y. (2018). Pulses production in India: An empirical analysis. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 34-44). New Delhi: Oxford University Press.

Sekhar, C. S. C., & Bhatt, Y. (2018). Farm mechanization in india with special focus on eastern region. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 274-284). New Delhi: Oxford University Press.

Ghosh, N., Bhatt, Y., & Yadav, S. (2018). What restrains demand for crop insurance in India. In S. Verma, & P.C. Bod edited (Eds.), *Glimpses of Indian Agriculture* (pp. 523-532). New Delhi: Oxford University Press.

#### Research Projects

Ministry of Agriculture & Farmers, Welfare, *Electronic National Agricultural Market (e-NAM): A Review of Performance and Prospects in Haryana*, 2017-2018.

## Seminar/Conference Presentations

C. S. C. Sekhar

“Climate Change and Rice Economy in Asia: Implications for trade policy”, *International Technical Conference on Climate Change, Agricultural Trade and Food Security*, 15-17 November, 2017, FAO, Rome.

“Agricultural Market Integration of Select Commodities in India”, *FAO-MoA & FW National Meeting of Experts on Agricultural Markets, Price Data Visualization and Early Warning System*, New Delhi, 11-12 September 2017.

“Identification of major agricultural markets for price monitoring in India”, *FAO-MoA & FW National Meeting of Experts on Agricultural Markets, Price Data Visualization and Early Warning System*, New Delhi, 11-12 September 2017.

“Measuring food price volatility and impact of international markets”, *FAO – MoA & FW Workshop on Agricultural markets, Prices and Market integration in India - Conceptual and Methodological Issues*, New Delhi, 21 August 2017.

“Food Security of the Elderly”, *National Conclave on Financial Inclusion of Persons with Disabilities in India*, Society for Disability and Rehabilitation Studies-SDRS, New Delhi, 25 May 2017.

Chaired the session on “Climate Change, Food Security and Sustainable Development” in the *National Seminar on Climate Change Mitigation, Adaptation and Sustainable Development*, 14-15 March, 2018, Department of Economics, Jamia Millia Islamia

Yogesh Bhatt

“Relationship between Wholesale prices, Retail prices, Export prices (FOB), Prices realized by farmers”, *“National Conference on Agro-Economic Research”*, Institute of Economic Growth, 30-31 January, 2018.

“Food Prices at National and State Level: Trends and Determinants”, *“National Conference on Agro-Economic Research”*, Institute of Economic Growth, 30-31 January, 2018.

## Faculty Strength

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## CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

### Major Activities and Achievements

Centre was earlier involved in the major discovery of Higgs Boson in 2012 in the CMS Experiment at CERN, Geneva, Switzerland and in 2015-16 it continued its association with the CMS experiment. Multi-strip Si sensors, which are designed, developed and fabricated in collaboration with BEL, Bengaluru were characterized at KIT, Germany. These are state-of-the-art detectors and are developed almost for the first time in India. Centre is also gearing up to prepare for the certified Sensor Qualification Centre (SQC) for characterizing the silicon strip sensors for the Tracker Upgrade of the CMS Experiment.

### Publications

Sirunyan, et al. (2018). Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1805(05), 149.

Sirunyan, et al. (2018). Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton+jets events from pp collisions at  $\sqrt{s}=13$  TeV. *Physics Review*, D97(11), 112003.

Sirunyan, et al. (2018). Search for  $t\bar{t}H$  production in the all-jet final state in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1806, 101.

Sirunyan, et al. (2018). Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1806, 002.

Adam, et al. (2018). Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. *Journal of Instrumentation*, 13(03), P03003.



Sirunyan, et al. (2018). Jet properties in PbPb and pp collisions at  $\sqrt{s_{NN}}=5.02$  TeV. *Journal of High Energy Physics*, 1805, 006.

Sirunyan, et al. (2018). Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1805, 088.

Sirunyan, et al. (2018). Search for narrow resonances in the b-tagged dijet mass spectrum in proton-proton collisions at  $\sqrt{s}=8$  TeV. *Physics Review Letters*, 120(20), 201801.

Sirunyan, et al. (2018). Measurement of the  $\Lambda b \Lambda b$  polarization and angular parameters in  $\Lambda b \rightarrow J/\psi \Lambda \Lambda b \rightarrow J/\psi \Lambda$  decays from pp collisions at  $\sqrt{s}=7$  and 8 TeV. *Physics Review D*, 97(7), 072010.

Sirunyan, et al. (2018). Search for heavy neutral leptons in events with three charged leptons in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Physics Review Letters*, 120(20), 221801.

Sirunyan, et al. (2018). Search for natural and split supersymmetry in proton-proton collisions at  $\sqrt{s}=13$  TeV in final states with jets and missing transverse momentum. *Journal of High Energy Physics*, 1805, 025.

Sirunyan, et al. (2018). Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. *Journal of High Energy Physics*, 1806, 031.

Sirunyan, et al. (2018). Search for lepton-flavor violating decays of heavy resonances and quantum black holes to  $e\mu$  final states in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1804, 073.

Sirunyan, et al. (2018). Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV. *Journal of High Energy Physics*, 1803, 181.

Sirunyan, et al. (2018). Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1806, 027.

Sirunyan, et al. (2018). Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1803, 160.

Sirunyan, et al. (2018). Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 782, 440-467.

Sirunyan, et al. (2018). Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1805, 127.

Sirunyan, et al. (2018). Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV. *The European Physical Journal C*, 78, 509.

Sirunyan, et al. (2018). Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV. *Physical Review Letters*, 120 (24), 241801.

Sirunyan, et al. (2018). Bose-Einstein correlations in pp, pPb and PbPb collisions at  $\sqrt{s_{NN}}=0.9-7$  TeV. *Physics Review C*, 97(6), 064912.

Sirunyan, et al. (2018). Search for lepton flavour violating decays of the Higgs boson to  $\mu\tau$  and  $e\tau$  in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1806, 001.

Sirunyan, et al. (2018). Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. *Journal of Instrumentation*, 13(05), P05011.

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Sirunyan, et al. (2018). Measurement of the associated production of a single top quark and a Z boson in pp collisions at  $\sqrt{s}=8$  TeV. *Physics Letters B*, 779, 358-384.

Sirunyan, et al. (2018). Search for new physics in final states with an energetic jet or a hadronically decaying WW or ZZ boson and transverse momentum imbalance at  $\sqrt{s}=13$  TeV. *Physics Review D*, 97(9), 092005.

Sirunyan, et al. (2018). Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at  $\sqrt{s}=8$  TeV. *Journal of High Energy Physics*, 1802, 032.

Sirunyan, et al. (2018). Search for pair production of excited top quarks in the lepton + jets final state. *Physics Letters B*, 778, 349-370.

Jain, G., Dalal, R., Bhardwaj, A., Ranjan, K., Dierlamm, A., Hartmann, F., Eber, R., Demarteau, M. (2018). Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments. *Nuclear Instruments and Methods in Physics Research Section A*, 882, 1-10.

Sirunyan, et al. (2018). Search for new long-lived particles at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 780, 432-454.

Sirunyan, et al. (2018). Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 780, 118-143.

Sirunyan, et al. (2018). Search for excited quarks of light and heavy flavor in  $\gamma\gamma$ +jet final states in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 781, 390-411.

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Sirunyan, et al. (2018). Measurement of the inclusive  $t\bar{t}$  cross section in pp collisions at  $\sqrt{s}=5.02$  TeV using final states with at least one charged lepton. *Journal of High Energy Physics*, 1803, 115.

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Sirunyan, et al. (2018). Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. *Physics Review D* 97(1), 012007.

Sirunyan, et al. (2018). Measurement of quarkonium production cross sections in pp collisions at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 780, 251-272.

Sirunyan, et al. (2018). Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at  $\sqrt{s}=13$  TeV. *The European Physical Journal, C* 78 (2), 140.

Sirunyan, et al. (2018). Pseudorapidity distributions of charged hadrons in proton-lead collisions at  $\sqrt{s_{NN}}=5.02$  and 8.16 TeV. *Journal of High Energy Physics*, 1801, 045.

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- Sirunyan, et al. (2018). Evidence for the Higgs boson decay to a bottom quark–antiquark pair. *Physics Letters B*, 780, 501-532.
- Sirunyan, et al. (2018). Observation of top quark production in proton-nucleus collisions. *Physics Review Letters*, 119(24), 242001.
- Sirunyan, et al. (2018). Observation of electroweak production of same-sign W boson pairs in the two jet and two same-sign lepton final state in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Physics Review Letters*, 120(8), 081801.
- Sirunyan, et al. (2018). Inclusive search for a highly boosted Higgs boson decaying to a bottom quark–antiquark pair. *Physics Review Letters*, 120(7), 071802.
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- Aaboud, et al. (2018). Combination of inclusive and differential  $t\bar{t}$  charge asymmetry measurements using ATLAS and CMS data at  $\sqrt{s}=7$  and 8 TeV. *Journal of High Energy Physics*, 1804, 033.
- Sirunyan, et al. (2018). Search for Higgsino pair production in pppp collisions at  $\sqrt{s}=13$  TeV in final states with large missing transverse momentum and two Higgs bosons decaying via  $H \rightarrow b\bar{b}$ . *Physics Review D*, 97(3), 032007.
- Sirunyan, et al. (2018). Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 779, 166-190.
- Sirunyan, et al. (2018). Measurement of the Splitting Function in pppp and Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV. *Physics Review Letters*, 120(14), 142302.
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- Sirunyan, et al. (2018). Search for massive resonances decaying into WWWW, WZWZ, ZZZZ, qWqW, and qZqZ with dijet final states at  $\sqrt{s}=13$  TeV. *Physics Review D*, 97 (7), 072006.
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Sirunyan, et al. (2018). Observation of the Higgs boson decay to a pair of  $\tau\tau$  leptons with the CMS detector. *Physics Letters B*, 779, 283-316.

Sirunyan, et al. (2017). Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at  $\sqrt{s} = 8$  TeV. *Journal of High Energy Physics*, 1711, 010.

Sirunyan, et al. (2018). Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Physics Letters B*, 781, 263-291.

Sirunyan, et al. (2017). Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Journal of High Energy Physics*, 1712, 142.

Sirunyan, et al. (2017). Measurement of the differential cross sections for the associated production of a WW boson and jets in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Physics Review D*, 96(7), 072005.

Sirunyan, et al. (2018). Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at  $\sqrt{s} = 8$  TeV. *Journal of High Energy Physics*, 1803, 167.

Sirunyan, et al. (2017). Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Journal of High Energy Physics*, 1710, 005.

Sirunyan, et al. (2018). Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Physics Letters B*, 778, 101-127.

Sirunyan, et al. (2017). Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at  $\sqrt{s} = 13$  TeV. *The European Physical Journal C*, 77 (9), 636.

Sirunyan, et al. (2017). Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. *Physics Letters B*, 775, 1-24.

Sirunyan, et al. (2017). Search for Higgs boson pair production in the  $b\bar{b}\tau\tau$  final state in proton-proton collisions at  $\sqrt{s} = 8$  TeV. *Physics Review D*, 96(7), 072004.

Sirunyan, et al. (2017). Measurement of charged pion, kaon, and proton production in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Physics Review D*, 96(11), 072003.

Sirunyan, et al. (2017). Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at  $\sqrt{s} = 13$  TeV. *Journal of High Energy Physics*, 1711, 047.

Sirunyan, et al. (2017). Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at  $\sqrt{s} = 13$  TeV. *Journal of High Energy Physics*, 1711, 029.

Adam, et al. (2017). P-Type Silicon Strip Sensors for the new CMS Tracker at HL-LHC. *Journal of Instrumentation*, 12(06), P06018.

Sirunyan, et al. (2017). Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at  $\sqrt{s} = 13$  TeV. *Physics Letters B*, 775, 315-337.

Sirunyan, et al. (2017). Measurement of the semileptonic  $t\bar{t} + \gamma$  production cross section in pp collisions at  $\sqrt{s} = 8$  TeV. *Journal of High Energy Physics*, 1710, 006.

Sirunyan, et al. (2018). Suppression of Excited Y States Relative to the Ground State in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV. *Physics Review Letters*, 120(14), 142301.

Sirunyan, et al. (2017). Measurements of jet charge with dijet events in pp collisions at  $\sqrt{s} = 8$  TeV. *Journal of High Energy Physics*, 1710, 0131.

Sirunyan, et al. (2017). Particle-flow reconstruction and global event description with the CMS detector. *Journal of Instrumentation*, 12(10), P10003.

Sirunyan, et al. (2017). Search for top squark pair production in pp collisions at  $\sqrt{s} = 13$  TeV using single lepton events. *Journal of High Energy Physics*, 1710, 019.

Sirunyan, et al. (2017). Searches for  $W'$  bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. *Journal of High Energy Physics*, 1708, 029.

Sirunyan, et al. (2017). Search for new physics in the monophoton final state in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1710, 073.

Sirunyan, et al. (2017). Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1711, 085.

Sirunyan, et al. (2017). Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at  $\sqrt{s}=13$  TeV. *The European Physical Journal, C* 77 (12), 845.

Sirunyan, et al. (2017). Search for top quark partners with charge 5/3 in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1708, 073.

Sirunyan, et al. (2017). Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. *Physics Review Letters*, 119(11), 111802.

Sirunyan, et al. (2018). Measurements of  $tt^-$  cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at  $\sqrt{s} = 13$  TeV. *Physics Letters B*, 776, 355-378.

Sirunyan, et al. (2017). Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at  $\sqrt{s} = 8$  and 13 TeV. *Physics Letters B*, 774, 533-558.

Sirunyan, et al. (2017). Measurement of the  $B^\pm$  Meson Nuclear Modification Factor in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV. *Physics Review Letters*, 119(15), 152301.

Sirunyan, et al. (2017). Search for Supersymmetry in pp Collisions at  $\sqrt{s}=13$  TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets. *Physics Review Letters*, 119(15), 152302.

Sirunyan, et al. (2017). Search for new phenomena with the  $M_{T2}$  variable in the all-hadronic final state produced in proton-proton collisions at  $\sqrt{s}=13$  TeV. *The European Physical Journal C*, 77 (10), 710.

Sirunyan, et al. (2017). Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of WW and ZZ Bosons Using pppp Collisions at  $\sqrt{s}=13$  TeV. *Physics Review Letters*, 119(14), 141802.

Sirunyan, et al. (2017). Measurement of the triple-differential dijet cross section in proton-proton collisions at  $\sqrt{s}=8$  TeV and constraints on parton distribution functions. *The European Physical Journal C*, 77 (11), 746.

Sirunyan, et al. (2017). Search for black holes in high-multiplicity final states in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Physics Letters B*, 774, 279-307.

Sirunyan, et al. (2017). Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. *Physics Review D*, 96(03), 032003.

Sirunyan, et al. (2017). Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at  $\sqrt{s}=13$  TeV. *The European Physical Journal, C*, 77 (09), 578.

Sirunyan, et al. (2017). Measurement of the top quark mass in the dileptonic  $tt^-$  decay channel using the mass observables  $M_{bt}$ ,  $M_{T2}$ , and  $M_{btv}$  in pp collisions at  $\sqrt{s}=8$  TeV. *Physics Review D*, 96(03), 032002.

Sirunyan, et al. (2017). Search for  $tt^-$  resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at  $\sqrt{s}=13$  TeV. *Journal of High Energy Physics*, 1707, 001.

Sirunyan, et al. (2017). Measurements of the  $pp \rightarrow W\gamma\gamma$  and  $pp \rightarrow Z\gamma\gamma$  cross sections and limits on anomalous quartic gauge couplings at  $\sqrt{s}=8$  TeV. *Journal of High Energy Physics*, 1710, 072.

## Research Projects

DST Major Research Project, *Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization*, 2014-2019, Dr. Kirti Ranjan, Rs. 11.73 Crore.

DST Major Research Project, *Updating and Operation of Regional WLCG Grid System*, 2014-2019, Dr. Kirti Ranjan, Rs. 25.30 Lakhs.

DST Major Research Project, Dr. Ashok Kumar, 2015-2018, Rs. 23.48 Lakhs.

DST Major Research Project, *R&D efforts by University groups for INO Project*, 2013-2018, Dr. Md. Naimuddin, Rs. 178.41 Lakhs.

### **Seminar/Conference Presentation**

Dr. Ashutosh Bhardwaj, Talk delivered on Silicon Sensors in Experimental High Energy Physics Experiments, Advanced Detectors for Nuclear, High Energy and Astroparticle Physics, 15-17 February, 2017, Bose Institute, Kolkata, India.

### **Inter-Institutional Collaboration**

All Research Projects are inter-institutional projects.

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### **CENTRE FOR ENTREPRENEURSHIP AND CAREER ORIENTED PROGRAMME**

The Centre for Entrepreneurship and Career Oriented Programs started many Entrepreneurship Cells in different Colleges of University of Delhi. The centre also organised various activities in the entrepreneurship cells initiated in various colleges of University of Delhi

27 April 2017 – Meeting with the teachers to start the Entrepreneurship Cell in Shivaji College

17 August 2017- Inauguration of Entrepreneurship Cell in Shivaji College. Lectures cum discussions with students and teachers

9 November 2017– Organised Celebrated Entrepreneurship Day in Shaheed Rajguru College of Applied Sciences for Women.

11 January 2018 – Entrepreneurship Summit organised by the Entrepreneurship Cell of Shivaji College.

16 January 2018 - Inauguration of Entrepreneurship Cell in Vivekananda College.

2 February 2018 – Flowering of ideas for starting an enterprise. Group discussions and generation of ideas.

20<sup>th</sup> February 2018- Inauguration of Entrepreneurship Cell in Deen Dayal Upadhyay College.

Shaheed Rajguru College gets approval to start the Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME) -DI, New Delhi (Feb, 2018 ).

### **Seminar/Conference Presentation**

*Dr. S. Lakshmi Devi*

Delivered a lecture on “Values in Education” in the Faculty Development Program on Recent trends in Applied Science teaching organised by Shaheed Rajguru College of Applied Sciences for Women from 21-28 July 2017.

Delivered a talk and conducted a workshop on “Work Ethics” in a “one-week National Para-teaching Staff Skill Enhancement Workshop (PTSSEW 2017)” from 15-21 December, 2017; jointly sponsored by UGC and DBT Star College Scheme organised by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi

Conducted the Awareness Program on Sexual Harassment for the employees of the TB Clinic Ramakrishna Mission, New Delhi on 22<sup>nd</sup> January 2018.

Delivered a lecture on “Facing and overcoming challenges” in the Youth Convention commemorating the 150<sup>th</sup> Birth Anniversary of Sister Nivedita on February 3, 2018 in Ramakrishna Mission, New Delhi.

Delivered a lecture on the “Teachings of Swami Vivekananda” in Sharda Mission, Haus khas, New Delhi on 4<sup>th</sup> March 2018.

Chaired the session III and give a keynote address on “Total Quality Management” in a one day seminar organised by the Internal Quality Assurance Cell of Vivekananda College on Quality Management System for College Administration on 12<sup>th</sup> February 2018.

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### **CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS**

#### **Major Activities and Achievements**

The thrust areas of the Centre include action research in addressing contemporary environmental and ecological challenges that are threatening ecosystems and quality of life and capacity building in action research. CEMDE has been active in the area of biological invasions. Contributed to the understanding of

mechanisms through which naturalized and/or nonnative plants achieve their competitive or general ecological success. Doctoral students of the Director are working on the invasion ecology of several exotic species. During 2017-18 the centre has undertaken the ecological restoration of mined out areas in coalfields of Coal India Limited in Dhanbad and Ranchi. The 4-year old restored sites harbour tropical deciduous forests/ecosystems. The centre has also developed a successful strategy for the management of *Lantana* – an invasive alien species – in protected areas.

### Honours/Distinctions

Distinguished Visitor Award by the University of Alberta, Canada in 2016.

Robert H. Whittaker Distinguished Ecologist Award, Ecological Society of America, 2015.

### Publications

Singh, S. P., Inderjit, Singh, J.S., Majumdar, S., Moyano, J., Nuñez, M. A., & Richardson, D. (2018). Insights on the persistence of pines (*Pinus* species) in the late Cretaceous and their increasing dominance in the Anthropocene. *Ecology & Evolution*, in press.

Berger, A., Brouquisse, R., Pathak, P.K., Hichri, I., Inderjit, Bhatia, S., Boscari, A., Igamberdiev, A.U., & Gupta, J.K. (2018). Pathways of nitric oxide metabolism and operation of phytooglobins in legume nodules: missing links and future directions. *Plant Cell & Environment*, in press.

Inderjit, Pergl, J., van Kleunen, M., Hejda, M., Babu, C.R., Majumdar, S., Singh, P., Singh, S.P., Salamma, S., Rao, B. R. P., & Pyšek, P. (2018). Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. *Biological Invasions*, 20, 1625–1638.

Becerra, P., Callaway, R., Catford, J., Inderjit, Andonian, K., Luce, M., Aschehoug, E., & Montesinos, D. (2018). Inhibitory effects of *Eucalyptus globulus* on understory plant growth and species richness are greater in non-native regions. *Global ecology & Biogeography*, 27, 68-76.

Zhang, F.L., Li, Q., Chen, F.X., Xu, H.Y., Inderjit, & Wan, F.H. (2017). Arbuscular mycorrhizal fungi facilitate growth and competitive ability of an exotic species *Flaveria bidentis*. *Soil biology & Biochemistry*, 115, 275-284.

Inderjit, Catford, J. A., Kalisz, S., Simberloff, D. & Wardle, D. A. (2017). A framework for understanding human-driven vegetation change. *Oikos*, 126, 1687–1698.

Pyšek, P., Pergl, J., Essl, F., Lenzner, B., Dawson, W., Kreft, W., Weigelt, P., Winter, M., Kartesz, J., Nishino, M., Antonova, L. A., Baptiste, M. P., Barcelona, J. F., Cabezas, F. J., Cárdenas, D., Cárdenas-Toro, J., Castaño, N., Chacón, E., Chatelain, C., Dullinger, S., Ebel, A. L., Figueiredo, E., Fuentes, N., Genovesi, P., Groom, Q. J., Henderson, L., Inderjit, Kupriyanov, A., Masciadri, S., Maurel, N., Meerman, J., Morozova, O., Moser, D., Nickrent, D., Nowak, P. M., Pagad, S., Patzelt, A., Pelter, P. B., Seebens, H., Shu, W., Thomas, J., Velayos, M., Weber, E., Wieringa, J. J., & van Kleunen, M. (2017). Naturalized and invasive alien flora of the world: species diversity, taxonomic and phylogenetic patterns, geographic distribution and global hotspots of plant invasion. *Preselia*, 89, 203–274.

Majumdar, S., Sanwal, U., Inderjit. (2017). Interference potential of *Sorghum halepense* on soil and plant seedling growth. *Plant and Soil*, 418, 219-230.

### Research Projects

Department of Biotechnology, *To Study Invasion Ecology of Prosopis Juliflora in contexts of Biodiversity and Conservation*, 2015-2018, Rs. 4796600.

Delhi Development Authority, *Biodiversity Parks Programme*, 2017-2018, Rs. 92676380.

### Seminar/Conference Presentations

Professor Inderjit Singh

Delivered invited lecture, “Causes of biological invasions” at the Natural Resources, University of Alberta, Canada, January 11 2018.

Delivered a plenary lecture, “Allelopathy: studies on the ecology of plant chemistry” at the 8<sup>th</sup> World Allelopathy Congress, Marseille, France, July 24-28 2017.

Invited by the European and Mediterranean Plant Protection Organization (EPPO) to prepare a pest risk analysis for two invasive plant species, *Prosopis juliflora* and *Hakea sericea*, May 15-19 2017, Paris, France.

Professor C.R. Babu delivered invited lectures on “Biodiversity Parks, Ecological Restoration and Water Crises and Bioremediation at several National Workshops/ Seminars/ Conferences organised at Delhi.

### **Extension and Outreach Activities**

In joint collaboration with Delhi Development Authority the CEMDE has been developing and managing six Delhi Biodiversity Parks- the first of its own kind in the world and these are rendering a wide range of ecological services to the City and its citizens. The DDA’s Biodiversity Parks Programme is largest outreach activity ever undertaken by any University in the world. The Biodiversity Parks have become hub for promoting environment awareness, environment education and nature conservation areas.

### **Faculty Strength**

Professor: One (Inderjit Singh)

Professor Emeritus: One (C.R. Babu)

Non-teaching staff = Four

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## **CENTRE FOR GENETIC MANIPULATION OF CROP PLANTS**

### **Major Activities and Achievements**

The major activity of the Centre is to undertake research on genetic improvement of oilseed Brassicas through conventional and biotechnological approaches. The Centre was established in the year 1995. Major financial supports have come from the DBT in the form of two major projects. Earlier the Centre was funded by the National Dairy Development (NDDB) from 1996 to 2016. The primary objective of the Centre is to undertake research on molecular breeding in Brassicas for improvement in yield and quality and breeding for disease resistance. The programme is concentrating on development of hybrids through conventional and transgenic approaches. Some of achievements from the Centre have been two CMS-based hybrids (DMH-1 and DMH-4) which are under cultivation in the farmers’ field. One transgenic hybrid (DMH-11) has been cleared by GEAC and permission has granted to undertake demonstration trials. The programme has also developed canola quality and white rust resistant mustard lines by marker-assisted breeding. Presently genome sequencing of several important *B. juncea* lines is being done for developing SNP based breeding platform.

### **Publications**

Kajla, S., Mukhopadhyay, A., & Pradhan, A. K. (2017). Development of transgenic *Brassica juncea* lines for reduced 1 seed sinapine content by perturbing phenylpropanoid pathway genes. *PLoS One*, 12(8), e0182747.

Rajarammohan, S., Kumar, A., Gupta, V., Pental, D., Pradhan, A. K., & Kaur, J. (2017). Genetic architecture of resistance to *Alternaria brassicae* in *Arabidopsis thaliana*: QTL Mapping Reveals Two Major Resistance-Confering Loci. *Frontiers in Plant Science*, 8, 260.

Dhaka, N., Mukhopadhyay, A., Paritosh, K., Gupta, V., Pental, D., Pradhan, A. K. (2017). Identification of genic SSRs and construction of a SSR-based linkage map in *Brassica juncea*. *Euphytica*, 213, 15.

He, Z., Wang, L., Harper, A. L., Havlickova, L., Pradhan, A. K., Parkin, I. A., & Bancroft, I. (2017). Extensive homoeologous genome exchanges in allopolyploid crops revealed by mRNAseq-based visualization. *Plant Biotechnology Journal*, 15(5), 594-604.

Dhaka, N., Rout, K., Yadava, S. K., Sodhi, Y. S., Gupta, V., Pental, D., & Pradhan, A. K. (2017). Genetic dissection of seed weight by QTL analysis and detection of allelic variation in Indian and east European gene pool lines of *Brassica juncea*. *Theoretical and Applied Genetics*, 130(2), 293-307.

### **Faculty Strength**

06 (Project based)

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## **CENTRE FOR INNOVATION IN INFECTIOUS DISEASE RESEARCH, EDUCATION AND TRAINING**

### **Major Activities and Achievements**

Centre for Innovation in Infectious Disease Research, Education, and Training (CIIDRET) established under the ordinance XV-A of the University of Delhi since October 2015 has received due approvals of the Academic Council and the Executive Council. As per its mandate, it has initiated several activities, which include interaction with college students of science stream to inspire them to take up research and Innovation as their career. CIIDRET has organised Industry-Academia Interaction through 'Entrepreneurship Guest Public Lecture Series', which includes lectures by Entrepreneurs and the facilitators of Innovation. CIIDRET has been providing state-of-the-art Proteomic and Genomic analytical facilities along with expert advice to scientists from both academia and Industry, and offers consultancy to the Biotech Industry. CIIDRET has organised Hands-on training courses covering different aspects of Genomics and Proteomics in collaboration with Industry Experts under the scheme 'Continuing Education and Skill Enhancement for Innovation in Biotechnology (CIIDRET-CESEIB).

CIIDRET has developed an ultra-large phage-displayed human antibody (scFv) library comprising of 10 billion clones by using proprietary cloning strategies, which have led to 100% recombinant clones with more than 70% in-frame full-length scFv molecule with sequences matching with germline sequences indicating the naïve-ness. This library has been successfully used for selecting binders to a clinically important human target protein, and the conversion of binders from scFv to Fab format retained the high binding specificity. This library will be useful for selecting therapeutic antibodies against various targets including snake venom as a cure for Snake bite, Antibiotic-resistant bacteria and their toxins that cause Sepsis etc.

### **Honors/Distinctions**

Prof. Vijay K. Chaudhary Director, CIIDRET:

Was conferred upon the Outstanding Alumnus award of the College of Basic Sciences and Humanities by the G.B.Pant University of Agriculture and Technology on November 2017.

Has been nominated as a Member, Academic Council, Jawaharlal Lal Nehru University w.e.f. 8<sup>th</sup> May 2017 for two years.

Is a member of the Task Force on "Infectious Disease Biology" of the Department of Biotechnology, Ministry of Science and Technology, Govt. of India (DBT).

Has been nominated as Mentor, Nexus @ American Center, New Delhi. (<https://startupnexus.net/mentors>)

Has been nominated as the Chairman of the Patent Facilitation Committee of the DBT w.e.f. 5<sup>th</sup> January 2018.

### **Research Projects**

Department of Biotechnology, Centre of Excellence entitled "*Antibody Technology: Research for Therapeutic and Diagnostic Application*", 2017-2020, Prof. Vijay K. Chaudhary (PI); Dr. Amita Gupta (Co-PI), Rs. 6.08 crores (Clinical Collaborator Dr. Sarman Singh (Co-PI), AIIMS).

Department of Biotechnology, 03 years, *DBT-supported Genomic Facility at University of Delhi South Campus*, Prof. Vijay K. Chaudhary (PI); Dr. Amita Gupta (Co-PI), Rs. 2.47 crores. This facility includes Sanger's DNA Sequencing using 96- and 16-capillary Applied Biosystems machines, Microarray on Agilent platform and Next Generation Sequencing on MiSeq platform.

Department of Biotechnology, 03 years, *Identification of Mycobacterial Proteins and Novel Antigenic Epitopes having Immunodiagnostic Potential and Development of Reagents for point of Care Test for Tuberculosis*, Dr. Amita Gupta (PI); Prof. Vijay K. Chaudhary (Co-PI), Rs. 81.9 lacs (Clinical Collaborator Dr. Rohit Sarin (CO-PI), NITRD).

### **Publications**

Verma, V., Kaur, C., Grover, P., Gupta, A., & Chaudhary, V. K. (2018). Biotin-tagged proteins: Reagents for efficient ELISA-based serodiagnosis and phage display-based affinity selection. *PLoS ONE*, 13(1): e0191315.

Gupta, A., Venkataraman, B., Vasudevan, M., & Gopinath Bankar, K. (2017). Co-expression network analysis of toxin-antitoxin loci in *Mycobacterium tuberculosis* reveals key modulators of cellular stress. *Sci Rep*, 7(1), 5868. ISSN - 2045-2322 (online)

## **Patents Filed**

An antibody fragment library, and uses thereof; Indian Patent application no. 201711043081 filed on 30th November 2017.

A process for immobilizing polypeptides; Indian Patent application no. 201711040047 filed on 9th November 2017.

## **Posters**

ORF selected genome fragment libraries: tools to unravel microbial proteomes. Verma, V., Gupta, A., Chaudhary, V.K. Won best poster prize at INSCR International Conference on 27th September 2017 held at Conference Center, University of Delhi and organised by Department of Zoology, University of Delhi.

Recombinant mono-biotinylated antigens: Reagents for improved Immunoassays. Verma, V., Kaur, C., Grover, P., Gupta, A., Chaudhary, V.K. Poster presented at BioZest 2017, Faculty of Life sciences and Biotechnology, South Asian University on 10th November 2017.

## **Others**

The nucleotide sequence of the vector pVMExp14367 was submitted to Genbank, NCBI (Accession ID: MG599491).

## **Conference/Workshop/Lectures Organised**

Organised lecture by Mr. Nilesh Mehta, CEO & President, Premier Medical Corporation Ltd., Nani Daman, India entitled “Biotech Industry in India - Opportunities and Challenges” as a part of Entrepreneurship Guest Public Lecture Series to promote Industry - Academia Interaction Initiative on 7th April 2017

Organised lecture by Dr. Renu Swarup, Senior Adviser, Department of Biotechnology, Ministry of Science & Technology, Government of India entitled “Igniting Minds....Spurring Innovations” as a part of Entrepreneurship Guest Public Lecture Series to promote Industry - Academia Interaction Initiative on 3rd July 2017.

Organised 1st National Workshop on Protein Purification and Characterization, on February 6-9, 2018 at University of Delhi South Campus, New Delhi. In this, Hands-on training was provided in collaboration with M/s GE Healthcare, India.

## **Presentation in Conferences**

Prof. Vijay K. Chaudhary delivered Key note address entitled “Antibodies: Wonder Molecules” at Symposium on Translational Science, Lab2Life, organised by Sri Venkateswara College, New Delhi on 15 February, 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “An indigenous phage-displayed naïve human antibody (scFv) library: A potential source of recombinant antibody-based therapeutics for human diseases including snake bite treatment ” at “Development of advanced biologics for the treatment of human diseases” organised jointly by SciGenom Labs Pvt. Ltd. Kochi, India, University of Toronto and Bio 360 Life Sciences Park, Kerala State Industrial Development Corporation (KSIDC) on 2-3 February, 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “Human Antibodies: their production and applications” at International Conference on Advances in Biosciences and Biotechnology organised by Jaypee Institute of Information Technology (JIIT), NOIDA, on 1st February 2018.

Prof. Vijay K. Chaudhary delivered a lecture entitled “An indigenous phage-displayed naïve human antibody (scFv) library: A source of recombinant anti-snake venom molecules!” at SNAKSYMP 2017- Conference on Recent Advances in Research on Snake Venom and Snakebite Therapy: National and International Perspectives organised by CSIR-CCMB on 1st December 2017.

Dr. Amita Gupta delivered a lecture entitled “Insights into the Toxin-Antitoxin systems of Mycobacterium tuberculosis” at School of Life Sciences, University of Hyderabad on 14 July 2017.

Prof. Vijay K. Chaudhary delivered a lecture entitled “Recombinant Antigens and Antibodies for improved immunoassays” at Indo-Iran Workshop to Develop Cooperation in Biotechnology organised by International Centre for Genetic Engineering & Biotechnology on 4th August 2017.

Dr. Amita Gupta delivered a lecture entitled “Phage display technology and its Applications” at International Conference on Bacteriophages in River Ganga held at Institute of Medical Sciences, Banaras Hindu University (BHU), Varanasi on 22-23 August 2017.

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## **CENTRE FOR INTER-DISCIPLINARY STUDIES FOR MOUNTAIN AND HILL ENVIRONMENT**

### **Major activities and achievements**

Realizing the significant contributions of the Centre in the field of environment impact assessment of power projects and environmental sensitivity studies of river basins, Ministry of Power, Government of India recognized it as Centre of Excellence in 2001-2002. It was established as an R&D Centre for conducting studies related to issues of environment impact and environment management in the power sector. The Centre has conducted numerous studies related to environment impact assessment and biodiversity conservation across India. The Centre also provides expert advice and consultancy services to various institutions of Government of India, its PSUs and Private sector in the field of environment impact assessment and sustainable development. The Centre has a state-of-the-art infrastructure and vast expertise available in the area of Ecology, Biodiversity Conservation Management, Aquatic Ecology, Remote Sensing and Geographic Information System (GIS). The Centre has played key role in assisting Public and Private sector organizations in pursuing the goal of sustainable development.

The faculty members and Scientists at the Centre are also engaged in full-time teaching programmes of the Department of Environmental Studies and guide research at Ph.D. level at the Centre.

### **Honors/Distinctions**

Professor Maharaj K. Pandit, Director, Elected Fellow, Indian National Science Academy

### **Publications**

Pandit, M. K. (2017). *Life in the Himalaya: An Ecosystem at Risk*. Harvard University Press. pp. 364.

Manish, K., Pandit, M. K., Telwala, Y., Nautiyal, D.C., Koh, L. P., & Tiwari, S. (2017). Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *Journal of Plant Research*, 130(5), 829-844.

Manish, K. (2017). Book review: *Life in the Himalaya: An Ecosystem at Risk*. *Frontiers in Ecology and Evolution* 5: 112.

### **Journals**

Number of Department Teachers serving as Editor(s)/Member (s) of Editorial Board: 01

### **Research Projects**

WAPCOS Ltd. Gurugram, *Ecological Survey of Kuri Gongri HEP, Bhutan*, 2018, Rs. 540000.

WAPCOS Ltd. Gurugram, *Ecological Survey for Upper Indravati PSP, Odisha*, 2018, Rs. 480000.

WAPCOS Ltd. Gurugram, *Ecological Survey for Sita-Rama LIP, Telangana*, 2018, Rs. 480000.

### **Seminars/Conference Presentations**

#### ***Professor Maharaj K. Pandit***

Delivered a talk on “How to strengthen and complement the loss and damage mechanism provided under the Paris Agreement: A case study of Madagascar”. 2017 South and Southeast Asian Youth Seminar on Climate Change, July 4-5, Ministry of Foreign Affairs, Taipei, Taiwan.

Delivered a talk on “Differential responses of non-native and endemic species to climate change in the Himalaya”. 4<sup>th</sup> Indian Biodiversity Congress, March 10-12, 2017. Pondicherry University, Puducherry, India.

Manish K., Bhatt J. P., & Pandit M. K. (2017). Varying patterns of species richness along elevational gradients in terrestrial and aquatic ecosystems of the Himalaya. International Biogeography Society – India Meeting, September 26-28, Indian Institute of Science (IISc), Bengaluru, India

Manish, K., & Pandit, M. K. (2017) Testing for phylogenetic control in plant species response to climate change in the Himalaya. XIX Commonwealth Forestry Conference, April 3-7, Forest Research Institute, Dehradun, India.

Rishabh Kaushik, Poster Presentation on “*Rhizosphere bacterial microbiome and plant invasion* at the SCCS (Student Conference on Conservation Science), held at University of Cambridge, the UK on from 27- 29 March 2018.

Jaya Arora, Presentation on “Community dynamics of degraded Himalayan habitats”. National Conference on Environmental Challenges for ‘New India’, June 2-3, 2018, Organised by: Environment and Social Development Association (ESDA), Delhi in Collaboration With: DR. Bhim Rao Ambedkar College, University of Delhi, Delhi, CSIR-National Environmental Engineering Research Institute & National Environmental Science Academy, Delhi.

### **Other Inter-Institutional Collaboration**

Ecological Surveys & River Basin Studies

WAPCOS Limited, Gurgaon

### **Number of Ph.D. /M. Phil. Awarded**

Ph.D.: 01

### **Faculty Strength**

Permanent: 1

Contract basis: 2

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## **CENTRE FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION**

### **Major Activities and Achievements**

Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, Delhi is one of the pioneer institutions of the country mandated to conduct various types of training programmes for the professional development of faculty members of Higher Education Institutions, across India. CPDHE works for competence development in the field areas of research methodologies, pedagogy, ICT, Science and Technology, Environment and Education. For making higher education centre hub of academic activity, CPDHE has envisaged new multidimensional and integrative role, through re-engineering Professional Development Programmes for teachers. CPDHE organizes workshops for faculties involved in university and college administration and Orientation/Refresher courses for teachers with the objective to create awareness of linkages among Society, Culture, Linguistics, Environmental Science, Education and Development, Management, IT/Computer Awareness, Gender Issues and many such areas. Goal of CPDHE is to achieve excellence in Higher Education. This year CPDHE conducted 4 Orientation Programmes (146 participants), 7 Refresher Courses (306 participants) and 3 Short Term Courses/Workshops (104 participants) that were attended by university/college teaching faculty from all over the country. Teachers from diverse demographical feature participated in the courses. Some of the popular theme areas oriented to which courses were conducted are: (1) उच्चशिक्षा, शिक्षण एवं भारत बोध, (2) भारतीय चिंतक और चिंतन परंपरा, (3) भारतीय भाषाएँ और सांस्कृतिक बोध, (4) वैश्विक संदर्भ में भारतीय सांस्कृतिक धरोहर मुद्दे और चुनौतियाँ, (5) भारतीय सांस्कृतिक वैश्विक अवदान, (6) वैश्विक परिदृश्य में संस्कृत एवं भारतीय भाषाएँ, (7) भारतीय प्रतिभा का समयानुकूल संवर्धन. In the sequence of different courses, one programme, titled “उच्चशिक्षा, शिक्षण एवं भारत बोध” was organised by the CPDHE to enhance awareness about the country. Vice-Chancellors, academicians and teachers of higher education from 22 states participated in this 24 days programme. This programme was appreciated by everyone and desired that such programmes should be organised on regular basis. Experts and speakers from different walks of Indian dimensions shared their views with participants to enrich their knowledge about India. In addition to the above, CPDHE this year also published two books with ISBN number in which hundreds of University/college teaching faculty contributed with their 2017 articles from different parts of the country.

## **Publications**

CPDHE. (2017). *Topics in Mathematical Sciences*. Delhi: Shivalik Prakashan. ISBN No. 978-81-934519-6-0.

Singh, Geeta (Ed.). (2017). *Indian and Western Aspects of Identity*, CPDHE. New Delhi: Shree Kala Prakashan. ISBN No. 978-93-85329-22-7.

Singh, Geeta (Ed.). (2017). *Climate Change and Disaster Management*, CPDHE. New Delhi: Shivalik Prakashan. ISBN No. 978-81-934519-5-3.

## **Conferences Organised**

Orientation Programmes

Orientation Programme (OR-88) - 31/05/2017 – 28/06/2017

Orientation Programme (OR-89) - 24/08/2017 – 21/09/2017

Orientation Programme (OR-90) - 21/11/2017 – 19/12/2017

Orientation Programme (OR-91) - 21/11/2017 – 19/12/2017

## **Refresher Courses**

Refresher Course in Climate Change and Disaster Management (IDC) - 09/06/2017 – 30/06/2017

Refresher Course in E - learning and Digital Learning (IDC) - 05/09/2017 – 25/09/2017

Refresher Course in Indian Culture, Thought and Thinkers (IDC) - 28/11/2017 – 19/12/2017

Refresher Course in Mathematical Science (SRC) - 06/06/2017 – 27/06/2017

Refresher Course in Sanskrit and Indian Languages (SRC) - 20/06/2017 – 11/07/2017

Refresher Course Summer School - 05/09/2017 – 25/09/2017

Refresher Course Winter School - 28/11/2017 – 19/12/2017

## **Short Term Courses**

Short Term Courses on Research Methodology - 20/03/2018 – 26/03/2018

## **Workshops**

Workshop on Academic Administration - 19/03/2018 – 20/03/2018

Workshop on Language and Literature - 13/03/2018 – 15/03/2018

## **Seminar/Conference Presentations**

Participated in “National Consultation on Revised Accreditation Framework” organised by NAAC, at India Habitat Centre, Lodhi Road, New Delhi on 25.04.2017.

Delivered 2 lectures as resource person in 126th Orientation Programme on the theme ‘Personality Development and Leadership’ at UGC-Human Resource Development Centre, Himachal Pradesh University, Shimla on 12.05.2017.

Delivered Inaugural Address as Chief Guest of the IInd National Rashtriya Sammelan on the theme “Nainital-Uttarakhand mei Prithvi: Maulik Mulya evam Vaishvik Sankat” organised by Panchamritam Dham, Nainital, Uttarakhand (24.05.2017-25.05.2017).

Participated in “Assessors Orientation Programme” organised by NAAC, at NAAC, Bengaluru, Karnataka(15.09.2017-16.09.2017).

Chaired an Academic Session in an ‘International Conference’ on “Resurging India, Reasserting China and World Peace: Emerging Scenario” organised by Faculty of Education & Faculty of Social Science, Chaudhary Ranbir Singh University, Jind, Haryana on 06.10.2017.

Delivered a lecture as Keynote Speaker of the Inaugural Function of the Centre for Women’s Studies on the theme “राष्ट्रनिर्माणमेंमहिलाओंकीभूमिका” organised by Maharaja Ganga Singh University, Bikaner, Rajasthan (03.11.2017).

Delivered 4 lectures as resource person in 101th Orientation Programme on the theme 'राष्ट्रनिर्माणमें शिक्षक की भूमिका, समकालीन शिक्षण एवं निर्माण, नेतृत्व एवं व्यक्तित्व निर्माण and Contemporary issues of India' at UGC-Human Resource Development Centre, Rani Durgawati Vishwavidyalaya, Jabalpur, Madhya Pradesh on (02.01.2018-03.02.2018).

Delivered a lecture as resource person in the National Debate on the theme 'भारतीय शिक्षा पद्धति' at Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra on 23.02.2018.

Acted as Chief Guest in the 'Research Methodology Training Programme in Social Sciences' organised by Indian Council of Social Science Research (ICSSR), Panjab University, Chandigarh, Punjab on 05.03.2018.

### Faculty Strength

One permanent faculty (Director)

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## CLUSTER INNOVATION CENTRE

### Major Activities and Achievements

M.Sc. (Mathematics Education):

To equip students with necessary ICT skills for developing e-content and to use ICT based pedagogy in the classroom, various workshops on the use of Geogebra; setting up virtual classrooms; and using E-learning tools for teaching were organized by inviting experts from the related field. Students did compulsory internship in schools and conducted Mathematics workshops for students in addition to teaching as interns. Students also worked on research problems directly related to the Mathematics classrooms.

B.Tech. (Information Technology & Mathematical Innovations):

In order to promote Academia - Industry linkage, *Leadership Lecture Series* was started in Aug 2017. Under this, four lectures were organized, professional were invited from Tata Communications limited, IBM Research New York, IBM Research India and Pitney Bowes. Four students from both first and second year won the *national winners* of eYantra Ideas Competition organised by IIT, Bombay in April 2017. Six students won the *consolation prize* at Smart India Hackathon 2017 organised by the Govt. of India. Eight students (three of which are from first year) were selected for the prestigious Google Summer of Code (GSOC) that brings developers into open source software development. One of the students was among the top 5 finalists at Indian Case Challenge, Global Entrepreneurship Summit, 2017 held at IIT Kharagpur. Second year students won the First Prize & Alexa Popular Choice Prize in the first ever Alexa Skills Hackathon in India. Ashish Jha, a second year student, was awarded the Best Financial Planning Themed Skill by Amazon and earned a full 6-month Google India Developer Nanodegree Scholarship to Mobile Web Specialist Nanodegree. He was one of the 150 students selected for this scholarship out of tens of thousands after participating in an initial 3 months of the selection period. He also received 500 USD scholarships for attending a ten-day Coding Bootcamp in Bali, Indonesia where more than 2000 students from all over the world applied. An entrepreneurship fest *Business Magnato* was initiated wherein ideas of startups were invited. These events witnessed a large participation from students across various colleges. Like past years, students of the Robotics society organized workshops students (school and college) and teachers.

B.A. Honours (Humanities & Social Sciences):

The two days program for Mental Awareness Week (Counselling) was held between October 24-25, 2017, in which panel discussions, slam poetry and cultural events were organised. A Lecture Series was organised for the students of Film Appreciation course in March-April 2018. Experts were invited from the Centre for Media Studies, JNU - Hrishikesh Arvikar and Ishani Dey. Special Lecture Series, focusing on theoretical debates in humanities & social sciences, was organized for the students of semester VI for which experts were invited from DU and JNU. The total of 24 semester-long projects was carried out by the students during the last academic year. They were majorly focused on the issues of social relevance and attempted to solve the social problems through social intervention. These projects were highly commended by the external experts who were invited for evaluation. Students of 2015-18 batch, have secured admissions in various reputed universities and institutions in India and abroad including IIT, TISS, Oxford University, University of Sussex, University of Leeds, Peking University etc.

DIC and TBI

New innovative products and processes are being developed at Design Innovation Centre. Some of the products are: VaccSure; Accieo; PerkUp; Takhti; Pradakshin; Aawas; SensOn; BloVR; Arete; Knowledge

Cup; WatchDog; TaggerBits; OpenCandle; Project Q. These products/processes are at various stages of development.

TBI has the following startups under incubation: Imfundo; Survaider; Deafcom; Pixvera; IdeasMarkt; MAG Initiative; Apparel Media; T9 Solutions; Daily at Five; and Lithics.

### Honours/Distinctions

Prof. Pankaj Tyagi, Member of the panel of Judges for INNOVATION FAIR in Innovation Festival organized by National Science Centre, New Delhi from 20-21, January 2018.

### Publications

Ahmed, S., Kaushik, M., Chaudhary, S., & Kukreti, S. (2018). Structural polymorphism of a Cytosine-rich DNA Sequence forming i-motif structure: Exploring pH based biosensors. *International Journal of biological macromolecules*, 111, 455-461.

Arora, S., & Aggarwal, Y. (2018). Prototyping solar powered helmet. *DU Journal of Undergraduate Research and Innovation*, 3(1), 117-124.

Arora, S., Dhingra, K., Babbar, A., & Mishra, U. (2018). Solar trash can: Hygienic and inexpensive solution to open bigger trash cans. *DU Journal of Undergraduate Research and Innovation*, 3(1), 110-117.

Bagai S. (2017). *A Bridge to Mathematics*, 1<sup>st</sup> Ed., New Delhi: Sage,— Co-Author (Book).

Chaudhary, S., Kaushik, M., Ahmed, S., Kukreti, R., & Kukreti, S. (2018). Structural switch from hairpin to duplex/ antiparallel Gquadruplex at Single Nucleotide Polymorphism (SNP) site of human Apolipoprotein E (APOE) gene coding region. *ACS Omega*, 3(3), 3173-3182.

Chaudhary, S., Kaushik, M., Kukreti, R. & Kukreti, S. (2017). Structural switch from multistranded G-quadruplex to single strands as a consequence of point mutation in the promoter of human GRIN1 gene. *Molecular BioSystems*, 13, 1805-1816.

Dhangar, T. K., Pathak, A. K., & Bhaduri, A., (2018). Identification of essential genes for metabolic reactions in mycobacterium tuberculosis through flux balance analysis. *DU Journal of Undergraduate Research and Innovation*, 3(1), 125-129.

Karan, R., & Biswal B. (2017). A model for evolution of overlapping community networks. *Physica A: Statistical Mechanics and its Applications*, 474, 380-390.

Kaushik, M., Chaudhary, S., Mahendru, S., Ahmed, S., Pathak, A. K., & Kukreti, S. (2017). MicroRNA: A multi-facet biological target for cancer and other diseases. *Clinical Cancer Drugs*, 4(1), 2-9.

Kaushik, M., Singh, A., Kumar, M., Chaudhary, S., Ahmed, S., & Kukreti, S. (2017). Structure-Specific ligand recognition of multistranded dna structures. *Current Topics in Medicinal Chemistry*, 17(2), 138-147.

Kaushik, M., Sonia, Mahendru, S., Tyagi, P. & Kukreti, S. (2017). Multiple dimensions of functional relevance of genosensors. *Integrated Ferroelectrics*, 185, 134-143.

Kumar, S., Kalia, A., & Sharma, A. (2018). Predictive analysis of alertness related features for driver drowsiness detection. *Advances in Intelligent Systems and Computing*, 736. Springer, Cham.

Kumar S., Pal, S. K., Singh, R. P. (2018). A Conceptual architectural design for intelligent health information system: Case study on India. *Quality, IT and Business Operations*. Springer Proceedings in Business and Economics. Springer, Singapore.

Kumar, S., Rai, S., Singh, R., & Pal, S. K. (2018). Machine learning-based method and its performance analysis for occupancy detection in indoor environment. advances in signal processing and intelligent recognition systems. *Advances in Intelligent Systems and Computing*, 678, 240-251.

Kumar, A. (2017) Review of comparative evaluation: Image Steganography. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, 2(5), 518-524.

Mahajan, A., Singh, H. P., & Sukavanam, N. (2017). An unsupervised learning based neural network approach for a robotic manipulator. *International Journal of Information Technology*, 9, 1-6.

Mir, Md. S., & Mishra, N. (2017). Manav Vikas ke Path par Bharat. *Yojana (Hindi)*, 61(5), 43-46

Rani, M., Kumar, N., & Singh, H.P. (2018). Efficient position/force control of constrained mobile manipulators. *International Journal of Dynamics and Control*, 1-10.

Pathak, N., Bhaduri, A., Rai, A. K. (2017) Sesame: Bioactive compounds and health benefits. In: Mérillon J. M., & Ramawat K. (Eds.), *Reference Series in Phytochemistry: Bioactive molecules in food*. Springer Publications, [https://doi.org/10.1007/978-3-319-54528-8\\_59-1](https://doi.org/10.1007/978-3-319-54528-8_59-1).

Ray, A., Bhaduri, A., Srivastava, N., & Mazumder, S. (2017). Identification of novel signature genes attesting arsenic-induced immune alterations in adult zebrafish (*Danio rerio*). *Journal of Hazardous Materials*, 321, 121-131.

Sharma, J., Biswal, B., Tyagi, P., & Bagai, S. (2017). Exploring possibilities for gifted students: A case study from India. *ECHA News*, 31(2), 20-21.

Sharma, G., Kaushal, Y., Chandra, S., Singh, V., Mittal, A. P., & Dutt, V. (2017). Influence of landmarks on wayfinding and brain connectivity in immersive virtual reality environment. *Frontiers in Psychology*, 8:1220.

Singh, H.P., Kumar, S., Kumar, P., & Mahajan, A. (2018). Virtual experimental analysis of redundant robot manipulators using neural networks. *Advances in Intelligent Systems and Computing*, 21-30.

Tyagi, P. (2017). Optical band gap demarcation around 2.15 eV depending on preferred orientation growth in red HgI<sub>2</sub> films. *Physica B*, 510 1-6.

Varshney, V., Saxena, G., Biswal, B., & Prasad, A., (2017). Oscillation death and revival by coupling with damped harmonic oscillator. *Chaos: An Interdisciplinary Journal of Nonlinear Science*, 27(9), 093104.

### Research Projects

Office of Principal Scientific Advisor to the Government of India. *Establishing Process Based Identification and Mentoring Practices for Potentially Gifted Children in Science and Mathematics*, 2014-2018, Dr. Jyoti Sharma, Prof. Shobha Bagai, Prof. Pankaj Tyagi and Prof. Bibhu Biswal.

DST-SERB-EMR, *Characterization of the H3 Specific Protease (H3ase) Activity of the Chicken Liver Glutamate Dehydrogenase (GDH)*, 2017-2020, Dr. J.S. Purohit.

Start-Up Research Grant (Young Scientists) by SERB, DST, *Identification of virulence factors involved in the infection process of emerging and neglected food-borne pathogen Campylobacter jejuni*, 2016-2018, Dr. Asani Bhaduri.

### Seminars Organized

Talk on “Applications of Fourier Series and Fourier Transform” by Prof. Pradeep G. Siddheshwar, Bangalore University 3<sup>rd</sup> April 2017.

Talk on “Sending Information Securely: Need for Quantum Key Distribution” by Prof Sibashish Ghosh, IIMSc, Chennai on 24<sup>th</sup> April 2017.

Leave a Nest, a Japanese organization sponsored by many Japanese companies, as part of their real-tech seed accelerator program Tech Planter conducted a competition at CIC to select innovation and technologies for further development through support from Japanese companies on 29<sup>th</sup> April 2017.

Leadership lecture series by Mr. Anurag Walia (VP) at Tata Communications Ltd on 16<sup>th</sup> August 2017.

An interaction of the B.Tech (IT and MI) students with Prof. Manoj Harbola, IIT Kanpur was held on 22<sup>nd</sup> August 2017.

A talk on Mathematics and Politics by Dr Sudeshna Basu, George Washington University, USA on 24<sup>th</sup> August 2017.

An interaction of the students and faculty members of Cluster Innovation Centre with Balaji Viswanathan, CEO of Invento Tech, was scheduled on 28<sup>th</sup> August 2017.

Workshop on Introduction to Open Source by the Rajan Maurya (Alumnus, CIC) and Pawan Pal of CIC on 28<sup>th</sup> August 2017.

An interaction of the students and faculty members of Cluster Innovation Centre with Janu Verma, Health Care Analytics Research Group, was held on 21<sup>st</sup> September 2017.

Dr Gyana R Parija, Manager, Analytics and Optimization Research, IBM Research- India delivered a talk on “Cogniculture: Collaborative Cognition in Social Machines” on 16<sup>th</sup> February 2018.

On 10<sup>th</sup> of February 2018, a workshop was organized for students of Ramanujan College, the University of Delhi by the Robotics Society AUTONOMI.



Dr Manish Sharma, Principal Architect at Piney Bowes, delivered a talk on "Machine Learning and AI: A new renaissance in Operations Research and Statistics" on 22<sup>nd</sup> March 2018.

A one day lecture-cum-workshop on Digital Humanities was organized on 13<sup>th</sup> April 2018. The experts included Dr Patricia Murrieta-Flores, Co-Director of the Digital Humanities Hub and Dr Deborah Sutton, Senior Lecturer in South Asian History from Lancaster University, United Kingdom.

### Seminar/Conference Presentations

Professor B. Biswal, "National Conference On Technology Transfer At MSME Clusters, National and Institutional Levels" organized on 30<sup>th</sup> June 2017 at PHD Chamber, New Delhi: Academic partner with PHD Chamber of Commerce & Industry.

Prof Shobha Bagai,

- Invited talk on "Construction of Fire Altars and Geometry in Ancient India", National workshop on Science and Technology in Ancient India, Zakir Hussain Delhi College, 18<sup>th</sup> April 2017, Delhi.
- Invited talk on "Modeling Infectious Diseases: Childhood Diseases", International Conference of Mathematics and Applications, Ramjas College, 26-28 April, 2017.
- Invited talk on "Problem based learning in Mathematics at UG level", 32<sup>nd</sup> Annual conference of the Ramanujan Mathematical Society, 23-25 June, 2017.
- Invited talk on "Effect of variable fluid properties on free convection flow in porous medium saturated by nanofluids", International conference on fluid dynamics and its applications, Bangalore, 12-14 July 2017.
- Invited talk on "Mathematics Drills to Thrill Gifted Students", 8<sup>th</sup> Conference on Technology and Innovation in Mathematics Education, Kochi, 7-10 December, 2017.
- Invited talk on "Role of Students in Technology Enabled Learning – Challenges and Prospects", IQAC students seminar, PSGR Krishnammal College for Women, Coimbatore, 2nd March 2018.

Dr. Mahima Kaushik

- Extension lecture on "Exploring Nucleic Acids Based Applications Via Nanotechnology" in Department of Chemistry, Jamia Millia Islamia University, Delhi on 27th march 2018.

Sonia, Komal, S. Kukreti, M. Kaushik

- A Physicochemical approach to study and compare the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA; International Conference on "Emerging Trends in Drugs Development and Natural-Products", Department of Chemistry, University of Delhi, from January 12-14, 2018
- A Physicochemical approach to study the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA: A physicochemical approach; One-day Indo-Hungarian symposium on "Recent advances in chemistry and biology" (INHCAB-2017) on 11 December, 2017
- Unravelling the binding of Calf Thymus DNA with metal nanoparticles: A comparative study of chitosan and citrate stabilized gold nanoparticles Trends in Nanobiotechnology (Biotikos), Teri University, Delhi. (28-29 September, 2017)

Komal, Sonia, S. Kukreti, M. Kaushik

- An environmentally benign approach to synthesize Silver nanoparticles using *Epipremnum aureum* leaf extract and its interaction studies with Calf Thymus DNA; One-day Indo-Hungarian symposium on "Recent advances in chemistry and biology" (INHCAB-2017) on 11 December, 2017

Neelam, M. Kaushik

- Hydrothermal synthesis of magnetite nanoparticles and their interaction with DNA FBR-2018 11th symposium on frontiers in biomedical research challenges in human health: Prevention, Diagnosis and cure, ACBR, Delhi university from 19-21st February, 2018.
- Hydrothermal Synthesis, characterization and interaction of 3-aminopropyl-trimethoxysilane (APTS) coated super paramagnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles with DNA. National conference on innovations in Sciences and emerging challenges in health and environment (NSHE-2018), Department of chemistry, Daulat Ram College Delhi university (20th March 2018).

N. Sarkar, R. S. Sharma, M. Kaushik

- Environment friendly Green Synthesis of NiO Nanoparticles: Characterization and Interaction with DNA; ACBR sponsored conference titled “11th Symposium on Frontiers of Biomedical Research,” on 19th Feb 2018
- Environment friendly Green Synthesis of NiO Nanoparticles: Characterization and Potential use in Environmental Pollutant Detection & Remediation; National Conference on Chemical Science: Opportunities and Challenges,” on 20 March 2018
- Oral Presentation on “Green Synthesis of NiONP, Characterization, interaction with CT-DNA & Potential in Environmental Remediation” Society for Environment and Development (SED), Swami Shraddhanand College sponsored national conference titled, “Emerging Environmental Challenges and Sustainable Development,” (22-03-18)

Amit Singh, M. Shoaib, M. Kaushik

- Green synthesis of Zinc oxide nanoparticles from Azadirachta indica leaf extract and their interaction with Calf thymus DNA Trends in Nanobiotechnology (Biotikos), Teri University, Delhi. From 28-29 September, 2017

M. Shoaib, A. Singh, M. Kaushik

- Biosynthesized silver nanoparticles from eucalyptus leaf extract and their interaction of Calf Thymus-DNA Trends in Nanobiotechnology (Biotikos), Teri University, Delhi from 28-29 September, 2017

Amit Singh, M. Shoaib, M. Kaushik

- Physicochemical Studies of biosynthesized silver nanoparticles and their interaction with Calf-Thymus DNA Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

M. Shoaib, A. Singh, M. Kaushik

- Physicochemical studies of silver nanoparticles prepared using Epipremnum aureum leaves extract with Calf Thymus DNA. Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

Komal, Sonia, S. Kukreti, M. Kaushik

- Physicochemical study of gold nanoparticles synthesized through Green as well as Chemical method: Interaction with Calf Thymus DNA and the role of stabilizing agent Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi from 10-11 October 2017

Dr. Asani Bhaduri

- Invited for a talk on Citizen Science at Ramjas College, 28<sup>th</sup> March 2018. Also invited as resource person and delivered a talk on “Birds of India” in the Workshop "Birds: Watching and Beyond" at Centre for Earth Studies, Indraprastha College for Women, 27 March, 2018.
- Delivered a talk on “Citizen Science: Stopgap Research or Way Forward” at Centre for Studies in Science Policy, JNU, 7th February 2018
- Invited to Consultative Roundtable Dialogue “Humanities matter” at IIC, 19th July 2017.
- Special Invitee in “Vidyarthi Vigyan Manthan” 2016-17, National Camp conducted at IIT Delhi, 27-28th May, 2017.
- Successfully completed Orientation Course with “A” grade at CPDHE, University of Delhi, November 21- December 19, 2017.

Dr. M. Saleem Mir

- Resource person for ‘Heritage and Tourism Management’ course offered by Ram Lal Anand College, DU (Feb-June 2018)
- Guest Lectures delivered at IITTM Noida (MBA-Tourism), on 23rd and 24th Jan 2018.
- Guest Lectures delivered at IITTM Noida (BBA-Tourism) in February 2018.
- Successfully completed Orientation Course with “A” grade at CPDHE, University of Delhi, November 21- December 19, 2017.

Anjani Kumar Verma

- Presented Paper in Conference: Anjani Kumar Verma, Dr. Veer Sain Dixit “A Comparative Evaluation of Profile Injection Attacks”, in the proceedings on ICDIS-2017 held by Indira Gandhi National Tribal University, Amarkantak, M.P., India, on 17th-18th November 2017.

Paper presentations in National/International Conferences by Students

- Gandharva Mishra, Paper presentation at 9th International Conference on Mathematics Education and Society (MES), Volos, Greece, 2017
- Akash Kumar Saini, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Namrata Nigam, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Preeti Chaudhry, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Rabia Malik, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Robin Sharma, Paper presentation at National Conference on ICT in Education, RIE Mysore, 2017.
- Parul Sethi, Presented the talk "Visualizing topic models" at PyCon UK 2017 conference.
- Akash Kumar Saini, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Namrata Nigam, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Rabia Malik, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Robin Sharma, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Preeti Chaudhry, Paper presentation at National Conference on Quality Education in Current Education Scenario, RIE Shillong, 2018.
- Ayush Sharma, Presented a paper on "Analysis of Lightweight Block Cipher FeW on the Basis of Neural Network" in ICHSA-2018. (It is accepted as a chapter in "Harmony Search and Nature Inspired Optimization Algorithms", Springer Nature Singapore Pte Ltd)

#### **National/International MoUs Signed**

An MoU was signed on 22<sup>nd</sup> November 2017 between Design Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry. A Short Course on Innovation & Entrepreneurship– Organize events jointly to propagate Design Thinking & Innovation

An MoU was signed on 22<sup>nd</sup> November 2017 between Cluster Innovation Centre, University of Delhi and PHD Chamber of Commerce and Industry

#### **Placement Details**

M.Sc. (Mathematics Education): 06

B.Tech. (IT & MI): 31

B.A. (H&SS): 06

#### **Extension & Outreach Activities**

B. Tech (IT and Mathematical Innovations):

Peer learning is a very important aspect of students learning experience at CIC. Regular workshops are held by the students for the students, to share the knowledge amongst them.

Workshops conducted by the Computer Society

‘Intro to CS’ series of workshops: 1<sup>st</sup>, 8<sup>th</sup> & 15<sup>th</sup> September, 2017

PyDelhi Meetup: Software Freedom Day 2017, 16<sup>th</sup> September, 2017

Android App Development Workshop, 23<sup>rd</sup>, 30<sup>th</sup> September, 7<sup>th</sup> October, 2017

Cluster Innovation Centre's Month of Code, Jan – March 2018

Workshops conducted by the Robotics Society Autonomi

Boot Camp - A series of Introductory and Hands on workshops on robotics conducted every year during fall semester for new students to generate interest and get familiar with basic technologies in robotics (Sep 2017 - Oct 2017)

Hands on workshops for teachers (from various schools all over the India) to teach them physics behind robotics and how to involve new students towards robotics, 25th and 26th Sep 2017.

Workshop for Ramanujan College Students on “Make your first robot - Wall Following Robot”. Aim of this workshop was to introduce students how computer science is integrated with robotics, who are already familiar with beginner/intermediate computer science. 10th Feb 2018.

### **Faculty Strength**

Professor: 04

Associate Professor: 4

Assistant Professor: 14

### **Other Significant Information**

M.Sc. (Mathematics Education): Under the Concept of ‘Meta University’: It is a joint post-graduate degree programme of DU and Jamia Millia Islamia. Various departments of DU like CIC, Central Institute of Education, Institute of Life Long Learning and various departments of JMI like AJK Mass Communication Research Centre, Mathematics Education are associated in jointly delivering this course. Every course at CIC has “Innovation Projects” as an integral part of curriculum which require students to work under the guidance of faculty mentors at different institutes and places.

B.Tech (Information Technology & Mathematical Innovations): Students of all streams: (Science, Commerce and Art) take admission in this course. The Course structure is such that teaching faculty of Mathematics, Physics, Biology, Computer Science, Electronics, English, Environmental Science, Economics and Management are all involved in delivering this course. Project based learning is an integral component of the curriculum at CIC as they inculcate an innovation mindset as part of the curriculum and pedagogy.

B.A. Honours (Humanities & Social Sciences): Under the Concept of ‘Meta College’: Students of all streams: (Science, Commerce and Arts) take admission in the course. The course structure gives freedom to the students to design their own degree. In addition, the meta concept offers the students the choice to opt for courses in around 80 colleges within DU and design their own degree. In this process, many departments of various colleges are involved in the course.

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## **COMPUTER CENTRE**

### **Major Activities and Achievements**

Delhi University Computer Centre (DUCC), act as epicenter to facilitate ICT infrastructure across the University of Delhi's Offices, Faculties, Departments and Colleges. During the last one year (2017-2018), DUCC continued to strengthen ICT Infrastructure and Services at University of Delhi for the benefit of its stakeholders. As the central hub for all the ICT related activities, DUCC served the Internet and Wi-Fi connectivity across the University. Network was planned and maintained to ensure maximum availability of network and services running on it. Wi-Fi system of DU enables internet access to all students/faculty/staff across a variety of devices like laptop, smart phones, tablets etc. As DUCC is consider as Datacentre, various Servers are available to link up varied utilities and on-line applications of the DU, e.g. Examination application, DU results, e-Mailing system, DU Library system, Braille Library, UG Admissions, FSR Admissions, Enrollment Data Management System, Online Recruitment etc. At present there are more than 100 servers and network equipment hosted at DUCC Datacentre. Apart from Datacentre DUCC also provision e-Mailing Service, Management of DU main Web-Site, Web Hosting services for Colleges / Departments / Centres, Faculty Members Web Hosting Services, e-Procurement & GeM, Bio-metric

attendance management and Training covering all the verticals starting from the basic to advance courses in Excel, SPSS, Matlab, Web Designing which are useful for teaching, research tools, and project taken by the students.

### **DUCC New Initiatives**

University Information Management System (UIMS)

Software was designed to facilitate the storage, organization and retrieval of University Information of different segments of the University (UIMS) as: University Admission Management System. Its application includes:

Admission process for all UG, PG and P.hD Students.

Ease of Access: Platform Independent

Efficient Application Process

Real Time Statistics

Inbuilt Analytics Engine

Integration with Helpdesk

Student Lifecycle Management

Examination Management System

Training & Placement System

Alumni Management System

Online Certificate Management System

Online Thesis Submission

Online Thesis Abstract Submission

Student Grievance Redressal

Recruitment Management

Faculty Recruitment

Non-Teaching Staff Recruitment

Master Record System: For Colleges & Departments

Leave Management System

Finance Management: Payroll & Grants Management System

Research Project Management

Asset Management System

Estate Management System

Inventory Management System

Document Management System

File Tracking System

File Retrieval System

University Information Portal

Online Internal Quality Assessment Cell

Core Communication System

University Helpdesk

Other Portals

Automated Enrollment Number Generation

University Examination Management System

Security Management System

RTI Management System  
DUFORGE: Central FOSS Repository  
DU-Connect

### **Undergraduate Admissions (Merit Based) 2017-2018**

DUCC was entrusted upon the responsibility to develop the online Registration Portal for UG Admissions (2017-18) including the college portal for admissions. DUCC successfully implemented the same within a limited period. Portal was designed as per the best practices in such a way that all the resources were fully utilized and hardly any downtime was observed and fully operational even on peak loads. Appropriate alerts were generated if the applicant was approved in some college and other college tries to admit him/her. More than 3 lakh applicants registered successfully, approx. 2.2 lakh Applicants successfully paid the Registration Fee, 1 lakh transaction handled of applicants who paid the admission fee. Categories wise evaluation and processing was fully automated, like Sports, PWD, Ward, NCWEB. Female Applicants from Delhi were automatically registered for NCWEB if they selected B.A. (Programme) or B.Com in regular stream.

Automated online collection of Registration and College Fee system was started. This includes all type of adjustment and re-calculations, i.e, Admission fee of the applicant adjusted automatically if he/she withdrawn from one college and took admission in other college, refund balance if paid extra amount etc. All the payments made by the Applicant were shown on the Dashboard of Applicant. API was developed for Minority colleges to verify if the fee is paid by applicant on admission portal.

Cut offs were taken online from colleges and were approved by Registrar's office online. Executive Summary was provided to each college for finalizing the cut off. Admission summary (Course Wise, Category Wise, cut off wise) was provided to college on its dashboard for ready reference.

### **Web Designing Support**

List of New Websites designed at DUCC includes:

Health Centre – <http://healthcentre.du.ac.in>

Institute of Cyber Security and Law – <http://icsl.du.ac.in>

NCC – <http://ncc.du.ac.in>

NSS – <http://nss.du.ac.in>

Foreign Students' Registration new Website - <http://fsr.du.ac.in>

NAAC SSR – <http://naac.du.ac.in/ssr>

Faculty of Social Science - <http://fss.du.ac.in/>

Alumni eZine Version 5 – <http://alumni.du.ac.in>

e-Journal Volume 4 Issue (DUJURI) - [http://journals.du.ac.in/ugresearch/vol3\\_1.html](http://journals.du.ac.in/ugresearch/vol3_1.html)

Law Centre II – <http://lc2.du.ac.in>

Placement Cell, Department of Anthropology - <http://ssipc.anthro.du.ac.in/>

### **Provisioning of ICT VPS to different units of the University Webcast**

94<sup>th</sup> Annual Convocation

Speech on India and Germany – Ideas and Perspectives” by Frank-Walter Steinmeier President of Federal Republic of Germany.

### **Live Streaming**

Provisioning of technical infrastructure for core events of DU viz. AC/EC meetings, Court Meeting and other key events/meetings. This includes Wi-Fi setup, computing facilities etc.

### **Management of e-Procurement and GeM**

Single point of solution to all e-Procurement and GeM related utilities are provided to DU community.

Following key supports are provided to administrative units and departments:-

- Provisioning and facilitating of GeM accounts. During this period around 180 members from 65 DU Divisions are participating GeM and 460 orders of value 60 lakhs has been initiated.
- Provisioning and facilitating of e-Procurement accounts. Approx. 400 DU users are registered for e-Procurement and 1800 tenders of value 8098.27 lakhs were float through e-Procurement.
- Special Training program conducted on “Implementation of GeM for e-marketing” for the officials of DU. Approx. 130 number of DU officials/faculty from various Administrative Offices/ Departments/ Colleges were attended this training.

### **Training Conducted at DUCC**

DUCC has organized four training programs for throughout the year for the faculty, staff, Research Scholars, PG students, college system administrator/ technical staff covering all the verticals starting from the basic to advance courses in Excel, SPSS, Matlab, Web Designing which are useful for teaching, research tools, and project taken by the students.

### **BioMetric Attendance System**

Biometric Attendance System Server, has been managed at DUCC. At present 87 Biometric attendance machines are working at various locations in Delhi University (North Campus) which includes VC office, Examination building, New Administrative Block, Health Centre, various Faculties & Departments including hostels.

For effective monitoring of biometric attendance system, about 135 Login ID's with password were provided to Department Heads and all the designated officers like Assistant Registrar/Deputy Registrar etc. They have viewing rights to access the attendance reports of their departments on daily, monthly or yearly basis. Reports can be exported and saved in various formats like excel, pdf, rtf, word, rpt etc.

Biometric Attendance System generates various reports, i.e., Attendance Register, Late Comers Report, Absentees Report, Analytical Summary of individual employees, Graphical Report for all the employees for required time period, Email feature to send Attendance Summary to all the departments and individual employee as and when required by DUCC.

DUCC continue to provide the following Network License Software for the use of DU faculty, staff, research scholars, PG & UG Students: SPSS V 22 + AMOS (Windows 32 bit & 64 bit, Unix and Mac platform), Matlab R2014b (Windows 32 bit & 64 bit, Unix and Mac platform), SigmaPlot 12 (for Windows Only), Jaws Server (for Windows Only).

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## **D. S. KOTHARI CENTRE FOR SCIENCE, ETHICS AND EDUCATION**

### **Major Activities and Achievements**

The Prof. D. S. Kothari Centre for Science, Ethics and Education is a vibrant Centre with many activities and resources to enrich the intellectual lives of students and faculty in Delhi University. We publish Working Papers every year on themes relating to education, ethics and science. This year we have published two working papers for private circulation. We also organize conferences and seminars. We have organized one conference in collaboration with the Dept. of Education (CIE) and the Dept. of Sociology, University of Delhi, as well as the annual D. S. Kothari Memorial Lecture this year. We also have a good collection of books for students and teachers. In total we have purchased 19 books this past year.

### **Publications**

Kaur, Navdeep., (2017-2018). *Challenges of Language Learning: A case Study of Rishi Valley School*, I, page: 27

Thapan, Meenakshi., (2017-2017). *Self - Knowledge and Relatedness*, II, page: 16.

### **Seminars Organised**

The Prof. D. S Kothari Memorial Lecture was delivered by Professor Nandini Sundar, Dept. of Sociology, University of Delhi on "*The books that I would have liked to write: ethics, accidents and ethnography*" on October 11, 2017 at Dept. of Sociology, Delhi School of Economics, University of Delhi. The lecture was chaired and moderated by Professor Meenakshi Thapan, Dept. of Sociology, Delhi School of Economics, University of Delhi.

### Conferences Organised

Organised a two day conference on 15-16 February, 2018 on “*Identities and Education*” in collaboration with Dept. of Sociology and Dept. of Education, University of Delhi.

### Other Significant Information

Membership in professional bodies:

Head, D. S. Kothari centre for science, ethics and education is a:

Member, Advisory Board, new Series on *Crossing Borders in a Global World: Applying Anthropology to Migration, Displacement, and Social Change*, edited by Nancy Konvalinka and Raul Sanchez Molina (UNED, Madrid), Lexington Books.

Member, Expert Group, Preparation of University curricula on *Diversity and Discrimination in Higher Education* at NUEPA, December, 2016 onwards.

Member, ICSSR Research Advisory Committee on *Diversity and Discrimination in Higher Education* at NUEPA, 2014 onwards.

Invited to serve as Senior Editor for The Oxford Encyclopedia of Qualitative Research Methods in Education. Oxford University Press, USA 2016 onwards.

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## DEVELOPING COUNTRIES RESEARCH CENTRE

### Major Activities and Achievements

The Centre organized various academic activities in 2017-18 with distinguished national and international visitors receiving wide media coverage which is an achievement in itself. Regular Monthly Lectures, Interactive Discourses, National and International Seminars & Conferences and Workshops have made the Centre a competitive research hub in the discipline of social sciences apart from creating awareness on significant issues like environmental problems. Believing in continuity with sustainability the Centre is publishing consecutive issues of its Quarterly Newsletter and Annual Report. After the successful completion of project *Samiksha*: UP Assembly Election Survey, another project *Samiksha*: Delhi Municipal Election, 2017 with its apt electoral results has strengthened our presence in the academic forum as an emerging psychological Center of the country. With the support of ICSSR, the Centre also ventured into imparting methodological training to young faculty members, researchers and scholars across universities/colleges of the country under Capacity Building Program.

### Honours/Distinctions

Prof Soumendra M Patnaik, Member, Advisory Committee of the Centre is appointed Vice Chancellor of Utkal University, Odisha.

Prof Kaushal Kumar Sharma, fellow, dcrc is appointed as the Proctor at Jawaharlal Nehru University in 2017.

Dr Vandana Mishra, Deputy Director, dcrc and Assistant Professor at Centre for Comparative Politics and Political Theory, Jawaharlal Nehru University received IPSA National Young Political Scientist Award-2016 at the IPSA National Conference in Chennai on 15 November 2017.

Dr Bhuwan Kumar Jha is selected for the Nehru Memorial Fellowship in 2018.

### Publications

DCRC Annual Report 2017-2018

Four Issues of Quarterly Newsletter Vol.2 No. 3-4 and Vol. 3 No.1-2

Annual Calendar

### Projects

Delhi Municipal Elections Survey Project: *Samiksha*, April 2017.

ICSSR sponsored two-week *Capacity Building Program*, 16-29 May 2017, Rs. 9.40 Lakhs.



### **Seminars Organised**

A Seminar on 'Comparative Theory Today: Changes and Challenges' was organised on 12 March 2018. Professor Subrata Mukherjee, formerly Professor at the Department of Political Science, University of Delhi delivered the keynote address and Prof Ujjwal K Singh and Prof Mahdulika Banerjee from the Department of Political Science, University of Delhi chaired the pre-lunch and post-lunch sessions of the seminar respectively.

Organised Grassroots Social Science Colloquium on 'Naxalism' on 27 February 2018. Mr Shubhanshu Choudhary eminent Journalist, Chhattisgarh and Dr Himanshu Roy, Senior Fellow, Teen Murti were the panelists.

The Centre's Foundation Day Lecture was delivered by renowned author and thinker Sh. Sushil Pandit on 'Kashmir: Present Challenges in Historical perspective' on 20 April 2017. Prof. Sangit K. Ragi, Department of Political Science, University of Delhi chaired the program and Sh. R K Saraf, Senior Official, Government of India was the Guest of Honour.

The Centre organises a monthly lecture on the first working Friday of every month. In this series, the tenth lecture was delivered by renowned thinker and activist, Shri K N Govindacharya on 14 July 2017 on the topic 'Swadeshi Model and Ecology'. The session was chaired by Prof Yogesh Atal, formerly Principal Director, UNESCO.

The eleventh monthly lecture was delivered by Prof. Shanta Nedungadi Varma, Department of Political Science, University of Delhi on the theme 'The Human Rights Discourse: The Significant Realm of the International' on 31 January 2018.

Organized interactive sessions on various contemporary topics. An Interactive Discourse was organised on 21 August 2017 on the theme 'Pitching Research Seminar'. Prof. Robert William Faff and Mr. Alistair Laurenceson from Queensland University, Australia were the resource persons.

Another interactive discourse was held on 26 September 2017 on the theme 'Understanding Subalterns in Contemporary Times'. Prof. Sunil K Choudhary, Director, dcrc delivered the keynote address.

Organized an interactive discourse on the most current topic of national debate, 'One Nation, One Election' on 28 December 2018. The program was chaired by Dr. Devender Kakar, Member of the Advisory Committee of the Centre with Prof. Sunil K. Choudhary delivering a statistical presentation.

### **Conferences Organized**

Developing countries research centre along with Department of Political Science organized a two-day National Conference on 'Democratizing Governance in India' was organized under UGC CAS-SAP II Program on 14-15 September 2017 at the Faculty of Social Sciences, University of Delhi. Renowned personalities like Prof. Ashish Nandy, Eminent Social Scientist; Prof. Gurpreet Mahajan, CPS, School of Social Sciences, JNU; Dr. Chandan Mitra, Eminent Journalist and former member of Rajya Sabha; Prof. Shri Praksh Singh, Department of Political Science, University of Delhi; Dr. Swapan Dasgupta, Senior Journalist and Member of Rajya Sabha; Prof. Rekha Saxena, Department of Political Science, University of Delhi; Shri Shakti Sinha, Director, Nehru Memorial Museum and Library; Prof. Deepak Pental, Eminent Scientist; Prof. Amita Singh, Centre for the Study of Law and Governance, JNU and Smt. Aruna Roy, Social Activist addressed the audience.

### **Students under Exchange Program- Inbound/Outbound**

The Centre regularly host foreign visitors including academics and research scholars. Two research scholars, Lenka Homolkova, Ph.D. Scholar from Masaryk University Brno, Czech Republic and Megan Bell, an American student from Dickinson College in Pennsylvania visited our Centre in 2017 and as part of their study projects interviewed Professor Sunil K Choudhary, Director dcrc on electoral politics in India.

### **Extension and Outreach Activities**

After the success of 'Samiksha: UP Assembly Election Survey' in 2017, the Centre undertook 'Samiksha: Delhi Municipal Election Survey, 2017' with Dr. Ramesh K. Bharadwaj, Joint Director, dcrc as Convener through which we were able to involve and impart empirical training to a large number of students from across the colleges of University of Delhi.

### **Faculty Strength**

### Other Significant Information

The Centre organized ICSSR sponsored two week Capacity Building Program from 16-29 May 2017. In its Inaugural session the keynote speaker was renowned personality Prof. Yogesh Atal, formerly Principal Director, UNESCO and the Chair of the session was Dr. Devender Kakar, Advisory Member, dcrc, University of Delhi. Other Sessions had eminent resource persons from different disciplines and prestigious Universities of the country like University of Delhi; Jawaharlal Nehru University; Centre for the Study of Development Societies; Indira Gandhi National Open University; Kumaun University, Nainital; BR Ambedkar University; TISS, Mumbai; Banaras Hindu University; Nehru Memorial Museum and Library, Teen Murti; Indian Institute of Public Administration, New Delhi; Mahatma Gandhi Antarrashtriya Vishwavidyalaya, Wardha, Gandhi Nagar, Gujarat; NCERT, New Delhi; Competition Commission of India, Indian Institute of Mass Communication, New Delhi; Jadhavpur University, West Bengal; NATRSS, Govt of India. The program concluded with the Valedictory session comprising eminent personalities Shri Ajay Mehra, Chief Commissioner, Madhya Pradesh as Chief Guest and Prof. K G Suresh, Director General, Indian Institute of Mass Communication, New Delhi as the keynote speaker.

The Centre celebrated 'Constitution Day' on 26 November 2017 at the Centre with the Oath ceremony of the Preamble undertaken by all the participants who pledged to imbibe the basic postulates of the Constitution in their lives.

DCRC and its programs have received wide coverage in leading national newspapers and media. 'Samiksha: 2017', DCRC Election Survey Report received wide acclaim in media. Recently Professor Choudhary was also invited by Lok Sabha TV and Rajya Sabha TV to discuss India-Israel relations in programs like 'Insight' and 'Public Forum'.

Keeping up with digital India, DCRC launched its twitter handle @drcrcofficial in May 2017. Within a short time it has garnered hundreds of likes and followers making a mark at the social media platform.

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### DR. B. R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH

#### Major activities and achievements

The center kept its high standards with a number of publications. ACBR conducted Summer Undergraduate Research Program (SURP) which gave the students hands-on training on high-end state of the art equipment for 8 weeks. Leading scientists educated them on combining basic with translational research. This year also ACBR invited M.Sc. students from Mysore University for a one-day visit. The center organized and conducted the 8<sup>th</sup> workshop on 'Bioinformatics and Molecular Modeling in Drug Design', wherein students from across the country were given hands-on experience in using the various tools in bioinformatics. Experts educated trainees on using techniques and incorporating them in their research. The Center also organised the 11<sup>th</sup> symposium on *Frontiers in Biomedical Research, Challenges in human health: Prevention, Diagnosis and Cure*. Leading scientists and young scholars from across the country presented their work including a Public Lecture on taking innovations to the Market.

#### Honours/Distinctions

Dr Anju Katyal: The 4th European Stroke Organisation Conference (ESOC 2018) Travel Grant.

Dr Manisha Yadav: Awarded Long-Term Foreign Fellowship from Ministry of Health and Family Welfare, Department of Health Research, Govt of India, India

#### Publications

Agarwal, S., Kumari, N., & Pratibha M. Luthra. (2017). Pharmacological assessments of potent A2A receptor antagonist IDPU (1-(7-imino-3-propyl-2,3-dihydrothiazolo[4,5-d]pyrimidin-6(7H)-yl)urea) in rodent model of Haloperidol induced Parkinson like symptoms. *Neuroscience Letters*, 647, 53-60.

Agrawal, V., Chopra, M., Kapoor, H., Mahapatra, S. C., & Yadav, N. (2017). Strong anti-tumorous potential of Nardostachys jatamansi rhizome extract on glioblastoma and In Silico analysis of its molecular drug targets. *Current Cancer Drug Targets*, 17(1).

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- Mehta, P., Luthra, & Nemaysh, V. (2017). Computational analysis revealed K634 and T681 mutations modulate 3D-structure of PDGFR- $\beta$  leading to sunitinib resistance. *RSC Advances*, RA-ART-01-2017-001305.R.
- Nagarjuna, D., Yadav, M., Gaiind, R., & Dhanda, R. S. (2017). Whole Genome Shotgun sequence of *Escherichia coli* strain MN067 from India: A commensal with a potent pathogenic ability. *Genome Announcements*, 23, 5(12). pii: e00054-17.
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- Sharma, D., Kumari, N., Luthra, P. B., Kumari, R., & Agarwal, S. (2018). Neuroprotective effect of IDPU (1-(7-imino-3-propyl-2,3-dihydrothiazolo [4,5-d]pyrimidin-6(7H)-yl)urea) in 6-OHDA induced rodent model of hemiparkinson's disease. *Neuroscience Letters*, accepted.
- Srivastava, K., & Tyagi, K. (2017). Single nucleotide polymorphisms of microRNA in cardiovascular diseases. *Clinica Chimica Acta*, 478, 101-110.

## Research Projects

SERB, *Delineating The Mechanism of Transcriptional Regulation By Chromatin Remodelling Protein, INO80: Identification and Characterization of the Protein Complexes*, 2017-2019, Brahmachari, V., Sanctioned amount Rs.5555800.

Department of Biotechnology, *Genetic and Epigenetic Regulation of Stem Cell Death and Its Consequences in Cancer*, 2017-2022, Richa Arya under Brahmachari V: Ramalingaswami-Reentry Fellowship to Richa Arya, Sanctioned contingency amount 32,00,000/- and salary amount Rs. 5550000/-.

Department of Biotechnology, *Deciphering the Role of Calcium homeostasis in Modulating T Cell Dynamics During Mycobacterium Tuberculosis Infection*, 2017-2020, Natarajan, K., Sanctioned Amount: Rs. 8227000.

Department of Biotechnology, *Creation of Bioinformatics Facility at ACBR*, 2006-2020, Madhu Chopra, Rs. 76.613; 2017-18 Rs. 8.632 Lakhs.

### **Conferences organised**

Organized 11<sup>th</sup> Symposium on Frontiers in Biomedical Research during 19-21 February, 2018.

Organized DBT sponsored 8<sup>th</sup> workshop on Bioinformatics and Molecular Modeling in Drug Design, March 16-17, 2018

### **Seminar/Conference Presentations**

Natarajan K.: Invited Speaker at the International Conference on Trends in Biochemical and Biomedical Research (TBRR), Banaras Hindu University, Varanasi. February 13-15<sup>th</sup> 2018.

Natarajan K.: Deciphering the Intricacies of Mycobacterium tuberculosis and host interactions, All India Institute of Medical Sciences, New Delhi. March 7, 2018.

Anju Katyal: "12/15-LOX inhibition ameliorates hippocampus associated neuronal damage and mitochondrial dysfunction in mice subjected to hypobaric hypoxia". 4th European Stroke Organisation Conference 2018 (ESOC 2018), Gothenburg, Sweden

Computer Aided Drug Design Strategies, 28<sup>th</sup> August 2017, at Bioinformatics and Computational Biology workshop at IIT, New Delhi by Madhu Chopra.

Computer Aided Drug Design, 26<sup>th</sup> July 2017, National Faculty Development Programme on "Recent Trends in Applied Science Teaching (FDP-RTAST)" from 21<sup>st</sup> - 27<sup>th</sup> July, 2017 organised by Rajguru College of Applied Sciences, New Delhi by Madhu Chopra.

### **Number of M. Phil /Ph.D. Degrees awarded**

Ph.D.: 13

### **Faculty Strength**

Faculty Members = 13 (11-Regular, 02-Ad-hoc)

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## **INSTITUTE OF INFORMATICS & COMMUNICATION**

### **Major Activities and Achievements**

The Institute has been instrumental in setting up the University Information Management System (UIMS). Under UIMS, IIC has been developing and managing enterprise applications for Online UG and PG admissions, Online recruitment for teaching and non teaching staff, Human Resource Management, Finance Management, Document Management, College management etc. and currently student life cycle management is being implemented.

The Institute organized various activities such as, Industrial Lecture Series, in which eminent persons visit the institute to deliver specialized lectures on current trends in the IT industry sector. Further students and faculty organised time-to-time Industry-University interaction programme. The faculty actively presented their research work in various platforms like National / International conferences, workshops. The Placements activity in this year like earlier years has been actively pursued resulting in ~40 % placement in the first round. Many top rated IT industries are coming for the campus placement. Industries visiting the Institute this year are Snapdeal, Zillious Solutions, Aricent Technologies, Hughes Systique, QA Info Tech etc.

### **Honours/Distinctions**

Mr. Shiv Sahni, M.Sc pass out student awarded Capt. Anuj Nayyar Memorial Gold Medal-2017, University of Delhi

### **Publications**

S. Kumar, M. Kumar, M. K. Das, R. Budhiraja and S. Singh (2017). Improved cryptographic model for better information security. International Conference on Information and Communication Technology Convergence (ICTC), Jeju, South Korea, pp. 406-410. doi: 10.1109/ICTC.2017.8191013

M. Kumar, S. Kumar, M. K. Das, R. Budhiraja and S. Singh, "Chaotic dynamical systems based image encryption model," 2017 International Conference on Information and Communication Technology Convergence (ICTC), Jeju, South Korea, pp. 93-98. doi: 10.1109/ICTC.2017.8190949

## **Journals**

### **Published by the Department**

Manish Kumar, Sunil Kumar, M.K. Das, Rajat Budhiraja, Sanjeev Singh, Securing images with a diffusion mechanism based on Fractional Brownian Motion, Journal of Information Security and Applications, Volume 40, 2018, Pages 134-144, ISSN 2214-2126, <https://doi.org/10.1016/j.jisa.2018.03.007>.

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

### **Research Projects**

DU/DST, 2014-2019, *Setting up the Research Infrastructure for Network Architecture and Security, Cyber Security and Forensic*, Rs. 14.3 Lakhs.

### **Seminars Organised**

Workshop on “Ideation to Action” on 23<sup>rd</sup> September 2017, S. P. Jain Centre, University of Delhi South Campus.

Workshop on “Unleashing Entrepreneurship in ESDM India” on 25<sup>th</sup> January 2018, S. P. Jain Centre, University of Delhi South Campus.

### **Seminar/Conference Presentations**

Envisage'17, an annual national conference on open source technology for the students and faculty members.

### **National/International MoUs Signed**

With Indian/Foreign Universities - NA

With Indian/Foreign Companies/Industry – 01

### **Students under Exchange Programme: 01**

Summer internship program with National Tsing Hua University, Taiwan.

### **Placement Details (Number and percentage of students placed)**

On campus

Number of Organizations Visited: 03

Number of Students Participated: 36

Number of Students Placed: 04

Off Campus

Number of Students Placed: 12

Number and percentage of students placed: 16 & 44.42

Number of Companies visited for campus recruitment: 03

### **Extension and Outreach Activities**

Collaborated with Connecting Dreams Foundation for Social entrepreneurship and empowerment

### **Faculty Strength: 03 (Positions) – 01 has retired, 01 is absent since 2016**

### **Other Significant Information**

IIC has been very instrumental in providing IT based solution and services to the University for various automation processes. The software developed at IIC has been implemented at various central Universities e.g. JNU, CUH, CUB, Patna etc. NIC, Govt. of India has approached IIC to organize Hackathon, Idea championship events organised national level Idea Challenge.

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## INTER DISCIPLINARY CENTRE FOR PLANT GENOMICS

### Major activities and achievements

In the past over 5 years, we have participated in sequencing of the wheat genome as part of an international consortium. In collaboration with two other groups based at IARI, New Delhi, and PAU, Ludhiana, we have sequenced Chromosome 2A of the hexaploid wheat, and specifically contributed BAC-end sequences of *ca.* 130,000 BACs that harbor 100-150 kb fragments of Chromosome 2A using Sanger's technology. The international consortium for assembling the genome of wheat has used these data. The assembled genome sequence will be of tremendous use to the scientific fraternity to map genes and use them for improving wheat for abiotic and biotic stress tolerance, increasing productivity and altering plant phenotype with better agronomic traits. Along with this work, we have continued our efforts to functionally characterize bZIP and F-box protein coding genes in rice for their role in light regulated plant development and abiotic stress tolerance.

### Honours/Distinctions

Goyal Prize (in Life Sciences) by the Goyal Foundation, Kurukshetra University, Haryana, in April 2017.

Shri Om Prakash Bhasin Award (in Biotechnology) by the Om Prakash Bhasin Foundation, New Delhi, in April 2017.

Member of the Research Council of a CSIR Institute - Centre for Cellular and Molecular Biology (CCMB), Hyderabad, for a term of three years (July 2017 onwards).

### Publications

Borah, P., & Khurana, J. P. (2018). The OsFBK1 E3 ligase subunit affects anther and root secondary cell wall thickenings by mediating turn-over of a cinnamoyl-CoA reductase. *Plant Physiology*, 176, 2148–2165.

Burman, N., Bhatnagar, A., & Khurana, J. P. (2018). OsbZIP48, orthologous to AtHY5, exerts pleiotropic effects in light-regulated plant development. *Plant Physiology*, 176, 1262-1285.

Jain, N., Vergish, S., & Khurana, J. P. (2018). Evaluation of house-keeping genes for normalization of gene expression data for diurnal/circadian studies in rice using RT-qPCR. *Scientific Reports*, 8, 3203.

Maji, A., Misra, R., Dhakan, D. B., Gupta, V., Mahato, N. K., Saxena, R., Mittal, P., Thukral, N., Sharma, E., Virmani, R., Singh, H., Hasija, Y., Arora, G., Agrawal, A., Chaudhry, A., Khurana, J. P., Sharma, V. K., Lal, R., & Singh, Y. (2018). Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers. *Environmental Microbiology*, 20, 402-419.

Mishra, S., & Khurana, J. P. (2017). Emerging roles and new paradigms in signalling mechanisms of plant cryptochromes. *Critical Reviews in Plant Science*, 36, 89-115.

Singh, M., Gupta, A., Khurana, J. P., & Laxmi, A. (2017). *Arabidopsis* RSS1 mediates cross-talk between glucose and light signaling during hypocotyl elongation growth. *Scientific Report*, s7(1), 16101.

Singh B., Khurana P., Khurana J. P., & Singh, P. (2018). A wheat gene encoding TaVAP confers tolerance to drought stress. *Cell Stress & Chaperone*, 23, 411-428.

Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Maji, A., Nayyar, N. A., Singh, Y., Khurana, J. P., & Lal, R. (2017). Genome organization of *Sphingobium indicum* B90A: An archetypal hexachlorocyclohexane (HCH) degrading genotype. *Genome Biology & Evolution*, 9(9), 2191-2197.

### Research Projects

DBT, *Functional Validation of Genes Involved in Regulating Transition to Flowering in Rice*, (2015-2020), Prof. J. P. Khurana, Rs. 1.40 Crore.

DST-SERB, *J.C. Bose Fellowship Project*, (2013-2018), Professor J.P. Khurana, *ca.* 70 lakhs.

### Conferences organised

Co-organised 4<sup>th</sup> International Conference on Duckweed Research and Applications, along with the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.

### Seminar/Conference Presentations

Delivered a lecture in the National Convention on Digital Initiatives for Higher Education, organised by MHRD, Vigyan Bhawan, July 8-10, 2017.

Chaired a session and delivered a lecture in the 4<sup>th</sup> International Conference on Duckweed Research and Applications, organised by the Central University of Kerala, Kasargod, Kerala, October 23-26, 2017.

Delivered an Invited lecture in Har Gobind Khorana Memorial Symposium on “Genes, Genomes and Membrane Biology” held at NABI, Mohali, December 3-5, 2017.

Chaired a ‘Plenary Session’ and delivered an invited talk during the International Conference on Plant developmental Biology and 3<sup>rd</sup> National *Arabidopsis* meeeting, held at NISER, Bhubaneswar, December 12-14, 2017.

Delivered Dr. Yellapragada Subba Row Memorial Lecture at the School of Biotechnology, GGS Indraprastha University, New Delhi, January 2018.

Co-Chaired a session during National Conference on “Technological Empowerment of Women (Commemorating the International Women’s Day), held at Vigyan Bhavan, New Delhi, March 8-9, 2018.

#### **Other Inter-institutional Collaboration**

Multi-Institutional Project with 7 Institutes and the Coordinating Institution is University of Delhi South Campus, New Delhi.

#### **Faculty Strength**

Four members are associated and they are on regular roles of the Department of Plant Molecular Biology, UDSC.

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### **UNIVERSITY SCIENCE INSTRUMENTATION CENTRE**

#### **Major Activities and Achievements**

A centralized facility with sophisticated analytical instruments is maintained by the University Science Instrumentation Centre for all researchers and faculty members of science departments and constituent colleges of the University of Delhi. The Centre is open six days a week from 9:00 a.m. to 5:30 p.m. The instruments available are: Vibrating sample magnetometer, Bruker High resolution X-ray diffractometer, Perkin Elmer FTIR spectrometer with ATR & Specular reflectance, mAgilent LCMS with Quadrupole time to flight, Thermal analysis Perkin Elmer TGA, DTA and DSC, Waters Differential Scanning Calorimeter, Jeol 400 MHz Nuclear Magnetic resonance, TEM sample preparation equipment, Critical point dryer, Jeol scanning electron Microscope (SEM) with EDS, FEI High Resolution Transmission electron microscope (TEM), CHNS Analyzer

Liquid nitrogen (LN2) storage tank and distribution facility, Renishaw Laser Raman Spectrometer, Cary Eclipse Fluorescence spectrophotometer (solid and liquid samples), Time resolved Fluorescence spectrometer (Horiba Yvon), Sentech Ellipsometer, Upconversion and downconversion fluorescence spectrometer, Linesis TGA with auto sampler, Thermo fisher FTIR spectrometer with FIR attachment, Broadband Dielectric/impedance analyser (MHz to 10 MHz), Jasco Circular dichroism spectropolarimeter, B.E.T. surface area analyser, Zeiss FESEM, Single crystal X-ray diffractometer and Nikon confocal microscope

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### **WOMEN’S STUDIES AND DEVELOPMENT CENTRE**

#### **Major Activities and Achievements**

Women’s Studies & Development Centre (WSDC) offered the interdisciplinary Advanced Course- in *Gender Studies* to research scholars and teachers. The Centre conducted a National Workshop- Gender Mainstreaming through Research in Women’s Issues. The Workshop was partly sponsored by The Association of Commonwealth Universities. Renowned academicians were the panelists and many more participated. WSDC released its book-*Locating Gender in New Middle Class In India*, at IIC on 9<sup>th</sup> May, 2017. The Centre conducted empirical research at Kolkata and around places as part of second leg of its ongoing research project-understanding Change in Gender Relations in New Middle Class in India.

#### **Honours/Distinctions**

Dr. Manjeet Bhatia was awarded funds by Association of Common Wealth Universities to conduct the National Workshop- Gender Mainstreaming Through Research In Women’s Issues.



The Centre's ongoing research project on 'The Emerging Middle Class' will provide major outcomes on the manner in which social changes are affecting social mobility in urban areas and processes of gender-identity formation.

### **Publications**

Bhatia, M. (Ed.) (2017). *Locating gender in the new middle class in India*. Shimla: India, Indian Institute of Advanced Study, Rashtrapati Niwas.

Bhatia, M., (co-authored), (2017). Migrant-women at the mall: Understanding empowerment and habitus. *VEETHIKA-An International Interdisciplinary Research Journal*, 43-53.

Bhatia, M. (co-authored), (2017). New meanings of motherhood in globalizing middle class homes in India. In M. Bhatia (Ed.), *Locating Gender in the New Middle Class in India*, Shimla: India Institute of Advanced Study, Rashtrapati Niwas.

### **Research Projects**

UGC, *Gender & New Middle Class*, 2014 - till date

### **Seminars Organized**

National Workshop organized on "Gender Mainstreaming through Research on Women's Issues" in collaboration with Association of Commonwealth Universities, 18-23 December 2017.

### **Seminar/Conference Presentations**

Dr. Manjeet Bhatia

- Presentation on "Gender and New Middle Class" in the National Workshop on "Gender Mainstreaming through Research on Women's Issues" in collaboration with Association of Commonwealth Universities, WSDC, University of Delhi, 18-23<sup>rd</sup> December 2017.
- Presentation on "Gender Sensitization", Department of Mathematics, University of Delhi, Delhi, 25<sup>th</sup> April, 2018.
- Presentation on "Gender Sensitization" for non-teaching and teaching staff, Department of CIE, University of Delhi on the occasion of Yoga Day, 21<sup>st</sup> June, 2018.

### **Extension and Outreach Activities**

WSDC draws students from various constituent colleges, departments and Faculties of University of Delhi and other State and Central Universities across Delhi NCR.

Students drawn from University of Delhi offer the centre with a cross-section of participants across different regions, nationality, ethnicity, promoting inclusive and holistic learning irrespective of gender, caste and identity.

Post graduate and Research Students across diverse disciplines in Natural Science, Mathematics, Commerce, Humanities and Social Science Management participate in the courses offered by WSDC. They bring with them learning and perspectives from their fields that blends with the interdisciplinary approach offered by the centre and women's studies as a field.

International Students of DU and other institutions have also participated in the courses offered at the centre.

The staff and faculty at WSDC have a harmonious blend of cultural and regional variation. Bilingualism (Both English and Hindi) as a mode of communication and discourse for teaching and research is promoted and followed.

### **Faculty Strength:**

Permanent: 02 (One Director, One permanent faculty).

Ad-hoc Faculty : 02

### **Other Significant Information**

The Centre has completed the second leg of field work at Kolkata as part of empirical work for its major research project under UGC-CAS and data entry of the data collected at Delhi-NCR with limited resources. The Centre has made a film based on the research project - Mall: A Gendered Space. It is available on the DU website.

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## **WORLD UNIVERSITY SERVICE HEALTH CENTRE**

### **Major Activities and Achievements**

The W.U.S. Health Centre came into existence on 19<sup>th</sup> March 1955. The present building is more than 63 years old. A number of new facilities have been added over the years.

The W.U.S. Health Centre (North Campus) caters to approx 1,50,000 beneficiaries, i.e., Regular, Retired Employees and their dependents, Resident & Non-Resident Students and Adhoc employees (teaching). Total OPD attendance for the financial year 2017-18 was 1,23,468 and the total clinical services (Physiotherapy, Pathology Lab., Nursing, Dressing and X-Ray) was 1,07,471. Approximately 410 patients per day seek consultation in OPD. These numbers are ever increasing.

WUS Health Centre (South Campus) caters to approximately 13,000 beneficiaries. Approximately 85 patients avail W.U.S. Health Centre (South Campus) OPD facilities per day (six days per week).

W.U.S. Health Centre (East Delhi) caters to approximately 4800 beneficiary clientele. Approximately 12 patients avail W.U.S. Health Centre (East Delhi) OPD facilities per day (six days per week).

W.U.S. Health Centre (West Delhi) caters to approximately 5000 beneficiary clientele. Approximately 30 patients avail W.U.S. Health Centre (West Delhi) OPD facilities per day (six days per week).

Total OPD attendance of W.U.S. Health Centres for the financial year 1st April, 2017 – 31<sup>st</sup> March, 2018 is as follows:-

North Campus:	1,23,468
South Campus:	25,124
East Delhi:	3,661
West Delhi:	8,731

Total Clinical Services of W.U.S. Health Centres for the financial year 1st April, 2017 – 31<sup>st</sup> March, 2018 is as follows :-

North Campus:	1,07,471
South Campus:	9,470
West Delhi:	867

In addition to routine Health Services, W.U.S. Health Centre (North) also provided emergency health services even on Sundays/Gazetted Holidays during following Tournaments/Other University Functions organized by University of Delhi:

Sports Trials for Online Undergraduate Programmes: 27<sup>th</sup> June, 05-06 July, 28<sup>th</sup> June & 01<sup>st</sup> July, 2017

Delhi University Inter College Wrestling (M & W) Tournament 2017-18: 23-24 October 2017

Delhi University Inter College Judo (M&W) Tournament 2017-18: 25-26 October 2017

Inter College Athletic (M & W) Championship 2017-18: 9-11 November 2017

94<sup>th</sup> Annual Convocation: 18th November 2017

14<sup>th</sup> K.K. Luthra Memorial International Moot Court Competition: 19-21 January 2018

Inter College Taekwondo Championship 2017-18: 1-2 February 2018

Delhi University Inter College Football (M & W) Championship 2017-18: 16<sup>th</sup> & 19-23 February 2018

60<sup>th</sup> Annual Flower Show: 23rd February 2018

Delhi University Inter College Football (M) Championship 2017-18: 24th & 26th February 2018

Hon'ble President of Federal Republic of Germany 'Mr. Frank-Walter Steinmeier': 23rd March 2018

World Health Day was celebrated in W.U.S. Health Centre (North Campus) on 7<sup>th</sup> of April 2017. The theme of this year's World Health Day was Depression: Let's Talk. Leaflets highlighting the issues regarding DEPRESSION were disseminated to all the Faculties/Departments/Centres/Colleges/Hostels which was highly appreciated by everyone. An article on Depression: Let's Talk was uploaded on University of Delhi website and W.U.S. Health Centre website for the information of University fraternity.

Dry Day for Tobacco was celebrated with great fanfare on 30<sup>th</sup> of September 2017 and the Theme was DRY DAY FOR TOBACCO

Pyrethroid Insecticidal Spray was done intensively in the whole of the University Campus area and University Enclave colleges. Leaflets highlighting the issues regarding Dengue Fever, Chikungunya, Malaria and Seasonal Influenza were distributed to all the Faculties/Departments/Centres/Colleges/Hostels which was highly appreciated by everyone. Articles on Dengue Fever, Chikungunya, Malaria, Hypertension and Seasonal Influenza were uploaded on the University of Delhi website [www.du.ac.in](http://www.du.ac.in) and W.U.S. Health Centre website <http://wushealthcentre.du.ac.in> for the information of University fraternity.

Health check up camps, Cardiac check up camps, Diabetes control camps have been organised in collaboration with reputed Hospitals from time to time.

### **Existing Facilities**

The W.U.S. Health Centre (North Campus) provides 24 x 7 hours services for the University employees, their dependants and students except on Sundays/Gazetted Holidays from 10:30 AM to 08:00 PM.

OPD Timings: MONDAY to SATURDAY

Morning Duty: 08:00 AM to 02:30 PM

Evening Duty: 01:30 PM to 08:00 PM

Night Duty: 08:00 PM to 08:00 AM

In the Evening shift 2 Part-time Medical Officers and 1 Full time Medical Officer examine the patients.

Sunday/Gazetted Holiday: 00:00 hours to 10:30 AM.

Night Service: All Days (Emergency services only)

W.U.S. Health Centre (North Campus) is the nodal point and has a team of 9 dedicated Medical Officers [including 1 medical consultant on contract, 1 Medical Officer on contract and 3 Part-time Medical Officers (against 2 sanctioned posts of Medical Officers)], 12 Visiting Part-time Specialists [who provide Specialized services for two hours in Cardiology (thrice per week), Neurology (once per week), Psychiatry (once per week), Orthopaedics (five days per week), E.N.T. (five days per week), Paediatrics (four days per week), Skin (4 days per week), Ophthalmology (thrice per week), Dental (3 hours, six days per week)], 8 Permanent Pharmacists, 1 Technical Assistant (Pathology Laboratory), 6 Ministerial Employees, 19 Employees on Contract.

W.U.S. Health Centre (North) has a Pathology Laboratory, Physiotherapy Unit, X-Ray Department, Nursing Station, Dressing Room and is equipped with Basic Life Support Ambulance.

W.U.S. Health Centre (South Campus) caters to its beneficiaries from Monday to Saturday from 09:00 AM to 05:30 PM and on Saturday from 09:00 AM to 03:30 PM.

W.U.S. Health Centre (South Campus) has 04 Medical Officers [(including 01 Medical Consultant on contract and 02 part-time medical officers (against 1 sanctioned post of Medical Officer)], 03 visiting Part-Time Specialists [who provide Specialized services for two hours in Ophthalmology (twice a week), Dentistry (thrice a week) and Cardiology (thrice a week)]. This Health Centre has a Pathology Laboratory, Physiotherapy Unit, Dressing Room and is equipped with Basic Life Support Ambulance.

W.U.S. Health Centre (East Delhi) and W.U.S. Health Centre (West Delhi) cater to their beneficiaries from Monday to Saturday from 09:00 AM to 03:30 PM. These Health Centres have a Medical Store and Pharmacy.

**Seminar Organized:** 03

**Conferences/Continuing Medical Education (CMEs) organized:** 20

### **Extension and Outreach Activities**

Delivered several Public Health Lectures on Vector Borne Diseases in different Colleges affiliated to the University

### **Doctors' Strength**

Chief Medical Officer: 01

Permanent Medical Officers: 07

Medical Officer on contract: 02

Part-time Medical Officers (against 3 sanctioned posts of Medical Officers): 05

Part-time Visiting Specialists: 15

#### Other Significant Information

- Provision of branded medicines from Government Medical Store Depot (GMSD).
- Provision of high quality medical care to the patients.
- Provided medical cover to the dignitaries and sports activities.
- Quick and timely disposal to the patients.
- Timely disposal of Medical claims of reimbursement.
- Timely disposal of medical examination of fresh appointees/commutation of pension.

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### DEPARTMENTS

#### FACULTY OF APPLIED SOCIAL SCIENCES & HUMANITIES

##### BUSINESS ECONOMICS

#### Major Activities and Achievements

The Department of Business Economics successfully ran an MBA programme in Business Economics and a Ph.D. programme during the period 1 April, 2017 to 31 March, 2018. The placement cell of the Department was successful in finding 41 placements for the final year students and 61 for the first-year students. Three students were awarded doctoral degrees. A total of 59 speakers from the industry, government, academia and research institutes spoke in the Department and interacted with students and faculty at weekly and other seminars organised on different topics in the Department. Other student activities organised in the Department include: Genesis, Vishleshan, Reminiscence (Annual Alumni Meet), Annual Convention, Arthniti, Markibiz, Pahal and Bluechips.

#### Publications

Arora, P. M., Das, M., and Dastidar, A. G. (2018). Mortgage loans, risky lending, and crisis. *Economic and Political Weekly*, 53(13), 60-68.

Dalei, N.N., and Gupta. Y. (2018). Drivers of forest ecosystem change in Purnapani area: Empirical evidence and policy suggestions, *Journal of Quantitative Economics*. DOI 10.1007/s40953-018-0120-0.

Dalei, N.N., and Gupta. Y. (2017). Measuring welfare of forest dependent communities in a mine-spoiled degraded ecosystem. In *Global Change, Ecosystems, Sustainability: Theory, methods, practice*, Mukhopadhyay et al., (Eds.). New Delhi: Sage.

Dastidar, A.G., R. Malhotra, and Suneja, V. (2018). *Economic theory and policy amidst global discontent*. Routledge: London. (Ed.).

Dastidar, A.G. (2018). The Keynesian Model. Unit 2. In *Macroeconomic Analysis* (Block 1), MA (Economics) Course, MEC- 002, New Delhi: IGNOU.

Dastidar, A.G. (2018). Open Economy Macroeconomics. Unit 4. In *Macroeconomic Analysis* (Block 1), MA (Economics) Course, MEC- 002, New Delhi: IGNOU.

Dastidar, A. G., Malhotra, R. and Suneja, V. (2018). Deepak Nayyar: A diverse oeuvre. In A. G. Dastidar, G., R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst global discontent*. London: Routledge.

Dastidar, A. G., R. Malhotra, and Suneja, V. (2018). Development Complexities: Looking Afresh. In A. G. Dastidar, R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst Global Discontent*. London: Routledge.

Dastidar, A. G. (2018). The global financial crisis and policy challenges in EMEs. In A. G. Dastidar, R. Malhotra, and V. Suneja (Eds.), *Economic Theory and Policy amidst Global Discontent*. London: Routledge.

Kaul, V. K. (2017). Innovation, low carbon development and green growth, *Journal of Business Thought*, April 2017-March 2018.

Mohan, C. (2017). Changing climatic patterns and its impact on apple production and productivity in Himachal Pradesh, *Global Journal of Enterprise Information System*. April-June, 2017.

Mohanty, B., Bhanumurthy, N. R., and Dastidar, A. G. (2017). What explains regional imbalances in infrastructure: Evidence from Indian states. *Asia-Pacific Development Journal*, 24 (2), 113-139.

### **Seminars Organized**

Total Number: 18 (speakers—59)

Details:

Mr. Pramod Joshi (Founder & CEO, MyKaarma), 17 Aug 2017.

Mr. Varun Prabhakar (Vice President, PwC), 5 September 2017.

Mr. Vivek Bajpai (Moody's Analytics), 9 September 2017.

Mr. Hitesh Sood (AVP (Marketing) IDEA), 28 October, 2017.

Mr. Neeraj Juneja (VP: Compliance, RBS), 11 November, 2017.

Ms. Akriti Kumari (SEBI), 14 October 2017.

Ms. Kalpana Jain (Partner, Deloitte), 24 February 2018.

Mr. Virender Gupta (CII), 24 February 2018

Mr. Gautam Bakshi (A.T. Kearney), 24 February 2018.

### **Conferences Organized**

“Innovation: Inclusive Growth, Technological Change and Job Creation” on 1 March, 2018, at S.P. Jain Auditorium, South Campus, University of Delhi. Funded by University of Delhi (Conveners: Prof. V. K. Kaul, Dr. Yamini Gupta, Dr. Ananya G. Dastidar).

Forty-Fourth Annual Convention on “Innovation India-Inclusive Growth, Digitalisation and Job Creation” at the S.P. Jain Centre, University of Delhi South Campus, New Delhi on 14 October, 2017.

### **Seminar/Conference Presentations**

Seminar presentation

Dastidar, A.G. (2017), Presentation on Policy Challenges in EMEs in the Wake of the Global Financial Crisis, at Department of Policy Studies, TERI University, New Delhi, April 12.

Gupt, Y. (2018), Presentation on Degraded Forest Ecosystem and Ecological Restoration: A study of Livelihood of Forest Dependent Communities in Odisha at the NABARD Chair Seminar on “Rural Restored Ecosystem and Rural Livelihood” at Institute of Economic Growth, Delhi on March 8-9.

Gupt, Y. (2018), Discussant of Deepor Beel Wetland: Threats to Ecosystem Services, their Importance to Dependent Communities and Possible Management Measures at the NABARD Chair Seminar on “Rural Restored Ecosystem and Rural Livelihood” at Institute of Economic Growth, Delhi on March 8-9.

Kaul, V.K. (2017), Presentation on Rise of China as Economic and Military Power: Option for India a Conference in collaboration with The Nehru Memorial Museum and Library, and Antar-Rashtriya Sahyog Parishad, on Engaging an Expansionist China: Options for India, at The Nehru Memorial Museum and Library, New Delhi, December 18-19.

Kaul, V.K., Presentation on India's FDI Policies and shifting Global Economic and Technological Scenarios, ISDI Workshop on FDI, ISID, New Delhi 12th January 2018.

Thakras, C.M., Presentation on Sustainability of Apple Production in H.P.: An Economic Analysis. JNU, New Delhi. 25-26 August 2017.

National Conference Presentation

Gupt, Y. (2018), Discussant of Achieving Sustainable Development Through Better Infrastructure: The Role of Public-Private Partnerships in India at Innovation: Inclusive Growth, Technological Change and Job Creation, a National Conference organised by the Department of Business Economics, University of Delhi at S.P. Jain Auditorium, South Campus, University of Delhi 1 March.

Kaul, V.K. (2018), Presentation on ‘Leadership: Indian Thinking’, as Guest of Honour in the Inaugural Session in two day Conference on Leadership In Organizations: Contemporary Concerns And Key Developments, on March 22-23, , Ramanujan College, University of Delhi.

Roy Choudhury, T. (2018), Paper Presented on Women's Employment in India's Organised Manufacturing Sector, at Innovation: Inclusive Growth, Technological Change and Job Creation, National Conference organised by Department of Business Economics, University of Delhi, at S.P. Jain Auditorium, South Campus, University of Delhi 1 March.

Thakras, C.M. (2017), Presentation on Crop Diversification in Himachal Pradesh: Patterns and Determinants. AERA, Silver Jubilee Conference, Hyderabad, 7-9 Sept..

#### International Conference Presentation

Dastidar, A.G. (2018) presented paper (co-author Rashmi Ahuja) 'Investment Slowdown in India: Key Drivers and Way Forward,' at session on 'Sustainable Economic Development in India – Some Issues' at International Conference on Business, Economics and Sustainable Development (ICBESD) held at Department of Business & Sustainability, TERI School of Advanced Studies, New Delhi, on February 23.

Kaul, V.K. (2018) presented paper 'Power to Empower: How entrepreneurship development aids institutions and society,' in International Winter school organised by SLC (Shyam Lal College), University of Delhi, On Fostering Collaborative Innovations and Solutions for Sustainable Development, March 3,

Kaul, V.K. (2018) presented paper 'Sustainable Development and Indian Perspective,' in International Winter school organised by SLC (Shyam Lal College), University of Delhi, On Developing Countries, and Sustainable Development: Reconnecting Past and Present, March 5.

Kaul, V.K. (2018) presented paper on 'Indian, Indian Ocean, and World System,' in the Plenary session-II the New Dynamics of Global Business in International Conference on Indian Trade & Commerce: Past, Present & Future, organised by Institute for Media Studies, Utkal University of Culture, Bhubaneswar, Odisha, March 17-19.

Thakras, C.M. (2018), Impact of Climate Change on Apple Production in Himachal Pradesh in International Conference on Agribusiness in Emerging Economies organised by Teri School of Advance Studies, New Delhi, January 03-04.

#### Placement Details (Number and percentage of students placed)

- Students placed: 41 (85.41%); number of companies visited campus: 31.
- Summer Internships: 61 (98.38%); number of companies visited campus: 20.

#### Extension and Outreach Activities

- Students initiated activities to help underprivileged sections of society under the Roots initiative. These include drives to collect warm clothes and dry rations.

#### Number of M.Phil./Ph.D. Degrees Awarded

Ph.D.: Ten

#### Faculty Strength

- Permanent—07
- Ad hoc—01

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### FACULTY OF ARTS

#### ARABIC

#### Major Activities and Achievements

The Department of Arabic organised a two-day International Seminar on the topic "Diaspora Literature: Socio Cultural and Historical Aspects" on 17-18 March, 2018. A Lecture under Prof. K. A. Fariq Memorial Lecture Series – 11 on the topic "Arabic-Persian based Studies in Pre-Partition Punjab" was delivered by Prof. S. Z. H. Jafri on 17<sup>th</sup> March, 2018. The Department also organised a seven-day workshop in collaboration with the King Abdullah bin Abdul Aziz International Centre Riyadh, K.S.A. on "Teaching Methods for Arabic Teachers" from 1<sup>st</sup> – 7<sup>th</sup> April, 2017. Prof. Mutair Husain Al-Maliki from Saudi Arabia was invited to deliver special lectures in the said workshop.

### **Publications (03)**

Akram, M. (2018). Hali-o-Shibli. *Shama-e-hayat*, 62-70

Akram, M. (2018). *Nashatul Ma'ajim Wal Mustalhat al-Arabia at-tibbiya. Delhi*. Delhi: Islahi Health Care Foundation.

Hasan, N. (2018). Maulana Abul Kalam Azad Aur Arabi Zubano Adab Ghubar-e-Khatir Ke Tanazur Mein. *Roznama Qaumi Duniya*, New Delhi, 9(148), 8-9.

### **Seminars Organized (01)**

Two-day International Seminar on the topic “Diaspora Literature: Socio Cultural and Historical Aspects” on 17-18 March, 2018

### **Seminar/Conference Presentations (11)**

Akhtar, M., (2017). *Hindustan Mein Eaik Pur-amn Samaaj Ki Tashkeel: Qurani Ayaat Ki Roshni Mein*, in the two-day National Seminar on “Towards Equality, Faternity and Justice: Creating a better tomorrow through Islamic Studies” organised by the Institute of Objective Studies, New Delhi in collaboration with Maulana Azad University, Jodhpur, Rajasthan on 20-21 October, 2017.

Akhtar, M., (2018). *Maulana Mohammad Nazim Nadwi: Katiban Wa-Shaaran*, in the Two day National Seminar on “Contribution of Indians to Arabic Language & Literature in 20<sup>th</sup> Century” organised by the Department of Arabic University of Mumbai on 14<sup>th</sup> & 15<sup>th</sup> March, 2018.

Akram, M., (2017). *al-Nashat al-Thaqafi bil Mujtama al-Misri ...*, in the International Seminar on ‘Literary and Social Importance of Travelogues’ organised by Dept. of Arabic & Persian, University of Allahabad on 19 & 20 September 2017.

Akram, M., (2018). *Allama Sayid Sulaiman Nadwi ki Arabi Nigarshat: Ek Mutala'a* in the Two day National Seminar on “Contribution of Indians to Arabic Language & Literature in 20<sup>th</sup> Century” organised by Department of Arabic University of Mumbai on 14<sup>th</sup> & 15<sup>th</sup> March, 2018.

Akram, M., (2018). *Education and Ethics* in two day international seminar on “Ethics in Religions”, organised by the Al-Mustafa International University, Iran and Department of Islamic Studies, J.M.I. New Delhi, 7<sup>th</sup> and 8<sup>th</sup> March 2018.

Akram, M., (2018). *Tadrees-e-Qura'n Ka Minhaj Aur Farahi School* in the Two Day International Seminar on “Allama Hamiduddin Farahi: Ilmi-o-Fikri Meeras” organised by Shibli National PG College, Azamgarh, UP in collaboration with NCPUL Ministry of HRD, Govt. of India, March 24-25, 2018.

Hasan, N., (2018). *Coping with the problems of Teaching and learning Arabic language in prospects of modern technologies*, an article presented in Two-day International Seminar on *Arabic Language in 21st Century: Challenges and Solutions* organised by Centre of Arabic and African Studies, School of Language, Literature and Culture Studies, JNU on 27-28 March. 2018.

Hasan, N., (2018). *Maulana Abul Kalam Azad Aur Arabi Zubano Adab Ghubar-e- Khatir Ke Tanazur Mein* an article presented in Two-day National Seminar on *Maulana Abul Kalam Azad – An Analytical Study* organised by Maulana Azad Academy, New Delhi on 29-30 March 2018.

Khan, M. N., (2018). *Contribution of Dairatul Maarif al-Osmania in publishing important Arabic Manuscripts* in Two-day International Conference on *Dairatul Maarif Achievements and Expectations*, Dairatul Maarifil Osmania, Osmania University, Hyderabad, 24 & 25 March, 2018.

Mahmood, A., (2018). *Mohd. Makki Hayatuhu Wa-Amalluhu*, in the two-day International Seminar on “Diaspora Literature: Socio Cultural and Historical Aspects” held in the Department of Arabic, University of Delhi on 17-18 March, 2018.

Mahmood, A., (2018). “*Istikhdam Al-Wasait Al-Taleemia Al-Hadisa Li-Tatvir Al-beea Al-Taleemia*” an article presented in Two-day International Seminar on “Arabic Language in 21st Century: Challenges and Solutions” organised by Centre of Arabic and African Studies, School of Language, Literature and Culture Studies, JNU on 27-28 March. 2018.

### **Number of Ph.D./M.Phil. Awarded**

M.Phil. - 6

### **Faculty Strength**

Permanent - 7 (2 Professors, 2 Associate Professors, 3 Assistant Professors)

Guest Faculty - 2

## Other Significant Information

Akram, M., (2017). Delivered a talk in External Services Division, All India Radio, New Delhi on the topic -Prof. Shiv Rai Chaudhary in Promoting Arabic Language in India on 8<sup>th</sup> December, 2017.

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## BUDDHIST STUDIES

### Major Activities and Achievements

The department of Buddhist Studies was awarded the status of Centre for Advance Studies (CAS-I) two years ago and has completed this year of CAS successfully. Professor K.T.S. Sarao was conferred the prestigious *MañjuśrīSammāna* by the Indian Society for Buddhist Studies for the year 2017. Professor K.T.S. Sarao was invited to deliver the prestigious Professor Sita Ram Kohli Memorial Lecture on “Fire Temple of Bāku, Bābā Nānak, and the Udāsī Paramparā,” by Punjabi University, Patiala, on 23 October 2018.

### Publications (08)

Rana, R. K. (2017). Aryadeva. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Bodhidharma. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Samantabhadra. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Rana, R. K. (2017). Upaya. In A. Sharma (Ed.), *Springer Encyclopedia of Indian Religions*. India: Springer.

Sarao, K. T. S. (2017). Indraprastha as it was known to the Ancient Indian Buddhists. In Neera Misra and Rajesh Lal (Eds.), *Indraprastha Revisited*, (191-196). Delhi: B. R. Publishing.

Sarao, K. T. S. (2017). Research Methodology Employed in the Study of Cultural Diversity in India. In Daljit Singh (Ed.), *Cultural Diversity and National Integration in India*, (157-178). Patiala: Punjabi University.

Sarao, K. T. S. (2017). The Mahājvālā temple of Baku: Azerbaijan: An example of the wonder that was India. In the proceeding of *World History conference on values, ethics and culture: Past and present*, (11-24).

Sarao, K. T. S. (Trans.), (2017). Translating Suttas from Pāli to English: Some methodological reflections, in Bimalendra Kumar and Ujjwal Kumar (Eds.), *Pariyatti: Studies in Pāli Language and Literature*, (29-308). New Delhi: Aditya Prakashan.

### Conference Organized (01)

Prof. Gangnegi, H. P. (2018). Organizer, “Himalayan Buddhism: Continuity and Change” International Seminar in the Department of Buddhist Studies, University of Delhi, March 26-27, 2018, under the CAS-I Programme.

### Seminar/Conference Presentations (22)

Gangnegi, H. P. (2017). “Negi Rinpoche and the Importance of Bodhi Mind” A National Seminar organised by the Bauddh Vidya Sangrakshan Sabha Jispa, Lahul and Spiti, Himachal Pradesh, 4<sup>th</sup> -5<sup>th</sup> September, 2017. Rana, R. K., (2017). *Thought and Practice in Chinese Tiantai Tradition: Some Reflections*. International Conference on "Buddhism: Traditions, Ideologies, and Dissent", organised by Gautam Buddha University held from 7<sup>th</sup> - 9<sup>th</sup> September 2017, Greater Noida.

Gangnegi, H. P. (2018). “Buddhist Education: Path leading to the Awakening” at the National Conference on Buddhist Education in CICHs, Dahung, Arunachal Pradesh on 19<sup>th</sup> -21<sup>st</sup> March, 2018.

Rana, R. K., (2017). *The Five Stages of Realization in the Trīṃśikā: An Overview*. 17<sup>th</sup> Annual Conference of Indian Society of Buddhist Studies, Sanchi University of Buddhist-Indic Studies, held from 13<sup>th</sup>-15<sup>th</sup> October, 2017, at Barla, Madhya Pradesh

Kumar, D. (2018). “Jataka Kathaon me Buddhakalina Bharatiya Sanskriti aur Loka Jivana” in National Seminar on Contribution of Folk Traditions to Indian Culture organised by School of Studies in Ancient Indian History, Culture of Archeology, Jiwaji University, Gwalior (M.P.) India, March 17-18, 2018.



Pavagadhi, S. B. (2017). "An introduction to literary works of Abhayagiri Sect" at the International Conference on Buddhism: traditions, Ideologies and Dissent at School of Buddhist Studies and Civilisation, Gautam Buddha University, Greater Noida in September, 2017.

Pavagadhi, S. B. (2018). "Bojjhangas: the seven factors of Awakening" at the International Seminar on Himalayan Buddhism: Continuity and Change at Centre of Advanced Study, Department of Buddhist Studies, University of Delhi in March, 2018.

Pavagadhi, S. B. (2018). "Buddhist Education and its relevance in contemporary world" at the National Seminar on Buddhist Education and Universal Responsibility at Nava Nalanda Mahavihara in February, 2018.

Rana, R. K., (2018). *Buddhist Education For the Common Masses: With Special Reference to Bian wen*. Three Day National Seminar on "Buddhist Education and Universal Responsibility" organised by Nav Nalanda Mahavihara held from 15<sup>th</sup>-17<sup>th</sup> February, 2018.

Sangai, G. (2018). "Buddhist Culture and Heritage", National Seminar at Jiwaji University, Gwalior (M.P.), India on March 17-18, 2018.

Sangai, G. (2018). "Himalaya Kshetra me Jyotish Padhati" department of Buddhist Studies, University of Delhi, on March 26-28, 2018.

Sangai, G. (2018). "Rahul Sanskritiyan ki Drishti me Kinnaur Desh" in International Seminar at Indira Gandhi national Center for the Arts, on March 14-16, 2018.

Sarao, K. T. S. (2017). "Aṣṭapada of the Jainas: Some Reflections on its Identification" at the *One Day National Seminar on Jain Monuments in India: Heritage in Continuity* organised by Satyawati College (Evening), Delhi University, Delhi, 03 April 2017.

Sarao, K. T. S. (2017). "Buddhist Perspective on Interfaith Dialogue" at the *Two-Day International Seminar on Cultural Encounters and Confluences between India and Korea* jointly organised by Indian Council of Philosophical Research and Korean Cultural Centre, New Delhi, 29–30 June, 2017.

Sarao, K. T. S. (2017). "Buddhist Perspective on Inter-Religious Understanding and the Common Future of Humankind" at the *14<sup>th</sup> United Nations Day of Vesak on Buddhist Teachings for Social Justice and Sustainable World Peace* organised by the Government of Sri Lanka, Colombo, 12–14 May 2017.

Sarao, K. T. S. (2017). "First Encounters of Indian Buddhists and Hindus with Islam," at Seventeenth Annual Conference of the Indian Society of Buddhist Studies (ISBS) held at the Sanchi University of Buddhist-Indic Studies, Barla, Madhya Pradesh, 13–15 October, 2017.

Sarao, K. T. S. (2017). "Interfaith Dialogue: A Buddhist Perspective" and chaired a session at the *International Conference on Buddhism: Traditions, Ideologies and Dissent* organised by School of Buddhist Studies and Civilization, Gautam Buddha University, NOIDA, 7–9 September 2017.

Sarao, K. T. S. (2017). "The Mahājvālā Temple of Baku, Azerbaijan: An Example of the Wonder that was India," at the *World History Conference, 2017 on Values, Ethics and Culture: Past and Present* organised by Amity University, 4–5 October, 2017.

Sarao, K. T. S. (2017). "The Maritime Silk Road, Arabian Sea and Buddhism in Early Medieval Western India" at the *Second Maritime Silk Road International Seminar on Cultural Linkage between China and India since Ancient Times* organised by Fujian Museum and Fujian Provincial Department of Culture and Foreign Affairs, Fujian, China, 19 May 2017.

Sarao, K. T. S. (2017). "Why was the Buddha Reluctant to Visit the Gayā Dhammakhetta?" and gave the valedictory lecture at the *Fourth International Conference on Pāli and Buddhism* organised by the Mahābodhi Society of India, Sarnath, Varanasi, 30–31 October, 2017.

Sarao, K. T. S. (2018). "Buddhist Perspective on Sustainable Development" at the *Three-Day Global Conference on Buddhism and Globalization* organised by the Mahābodhi Society of India, Bodhgaya, 30 January–01 February 2018.

Sarao, K. T. S. (2018). "Maitreya-Ideal and the Issue of Sustainable Development" at the *International Conference of the Institute of Maitreya Studies*, Hong Kong, 29-31 March 2018.

Sarao, K. T. S. (2018). "Muḥammad Qāsim and the Encounter of Indian Buddhists and Hindus with Islam" at the *National Conference on Indian History: Emerging Perspectives* organised by the Indian Council of Historical Research, New Delhi, 5-7 March 2018.

Sarao, K. T. S. (2018). “Universal Message of Buddhist Hybrid Sanskrit Literature”, special lecture at the *International Seminar on Universal Message of Buddhist Hybrid Sanskrit Literature* organised by the Rashtriya Sanskrit Samsthan, Deva Prayag, Pauri Garhwal, Uttarakhand, 4-5 February 2018.

#### **M.Phil. / Ph.D. Degree Awarded**

MPhil: 16

Ph.D.: 07

#### **Faculty Strength**

Permanent: 10

Ad-hoc: 04

Guest: 10

#### **Other Significant Information**

Prof. Gangnegi, H. P. (2018). Keynote Speaker of a National Conference on “आदिवासी साहित्य, संस्कृति और कला : चुनौतियाँ एवं संभावनाएँ” jointly organised by Hindi Department of Delhi University and Indra Gandhi National Arts Centre (IGNAC) New Delhi in Seminar room no-22 Arts Faculty, Delhi University on April 12<sup>th</sup> -13<sup>th</sup>, 2018.

Prof. Gangnegi, H. P. (2017). Keynote Speaker in the National Conference on entitled “Dr. B.R Ambedkar’s Vision of India” organised by Zakir Hussain Delhi College (Evening) on 21<sup>st</sup> and 22<sup>nd</sup> March, 2017.

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### **ENGLISH**

#### **Major Activities and Achievements**

During the period spanning from April 1, 2017 to March 31, 2018 the Department of English, University of Delhi organised a number of seminars and conferences apart from the MA Previous Year Students’ Orientation Programme in the month of August 2017. A three day International Conference on “The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories”, was organised in collaboration with IGNC, Sahitya Akademy and Indonesian Embassy on 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> April 2017. A two day National Seminar on “Crossing Borders: Exploring new paradigms of interdisciplinary and translationism”, was organised on August 22-23, 2017. A three day International Conference on “Interrogating Disability Studies: Literature, Culture, Performance”, was organised in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademy on March 8-10 2018. A three day International Conference on “World Literatures: Postcolonial Perspectives”, was organised in collaboration the Department of Germanic and Romance Studies of Delhi University on March 15-17, 2018.

Apart from the aforementioned conferences and seminar a number of Academic Talks were also hosted by the Department and its different centres such as Centre for Academic Translation and Archiving (CATA), Centre for Dalit Studies (CDS), and Centre for Violence, Memory, and Trauma (CSVMT). In collaboration with the 1947 Partition Archive the Department’s Centre for Violence, Memory and Trauma (CSVMT) organised an exhibition on “Remembering Partition: Memory through Ages” from 16 October 2017 to 5 November 2017. Besides on February 21, 2018, 1947 Partition Archive and CSVMT, Department of English, DU organised a “Story Scholars Fellowship Orientation.” On April 19, 2017 the Centre for Dalit Studies also organised an exhibition of art on “The Ganja-Mahua Chronicles.”

#### **Honours/Distinctions**

Bhattacharya, R. (2017). Invited to be member of Jury for the Big Little Book Award, 2017, by Parag, Tata Trust, for best writer in children’s literature in Bangla. 2017.

Chatterjee, S. (2017). Academic Writing Fellow, Rockefeller Foundation, Bellagio Center, Italy, October-November 2017.

Kumar, R. Governing Body, Bhagini Nivedita College, University of Delhi, Delhi.

Kumar, R. Governing Body, International Students’ Hostel, University of Delhi, Delhi.

Kumar, R. Governing Body, Rajiv Gandhi Women’s Hostel, University of Delhi, Delhi.

Kumar, R. Member, Board of Studies, Central University, Mahendergarh, Haryana.

Kumar, R. Member, Board of Studies, Guru Gobind Singh Indraprastha University, Delhi.

Sharma, A. (2017). Invited as an Expert by the Indira Gandhi National Centre for the Arts, Janapada Sampada Division, to participate in the National Consultative Meeting to Identify and Discuss the Available Regional Variations of Mahabharata in the Country. Presented on "The Mahabharata and its inter-Asian Variants." May 26, 2017.

Sharma, A. (2018). Keynote Address, "From Carnival to the Carnivalesque: Bakhtin's Rabelasian Body and the Idea of Rupture." The Annual Literary Festival on the Carnivalesque at the Delhi College of Arts and Commerce. 27<sup>th</sup> January, 2018.

Sharma, A. (2018). Invited Chair and Discussant for the 9<sup>th</sup> Suniti Kumar Chatterji Memorial Lecture delivered by Professor Sachidanandan Mohanty, Vice Chancellor, Central University of Orissa. Indira Gandhi National Centre for Arts, New Delhi. 30th January 2018.

Sharma, A. (2018). Invited Chair for the Book Launch and Discussion of Dr. Salila Kulshreshta's *From Temple to Museum: Colonial Collections and Uma Mahesvara Icons in the Middle Ganga Valley*. India International Centre. 10 January 2018.

### **Publications**

Antony, S. (2017). Transcending the (Generic) self: Liminality in Merrily Weisbord's the Love Queen of Malabar: Memoir of a Friendship with Kamala Das. In *Explorations in Critical Humanities: A Collection of Essays*. India: Viva Books.

Babu, Hany M. T. (2017). Language puzzles: Using linguistic data as a learning resource. *Indian Linguistics*, 78(1-2), 159-166.

Bhattacharya, R. (2017). Between the lines. *Language and Language Teaching*, 62(12), 64-72.

Bhattacharya, R. (2017). Performance and 'Begging Missions'. *Economic & Political Weekly*. 52(19), 64-70.

Bhattacharya, R. (2017). Speaking of food: Apple, ice-cream, posto, pista, roti: Trends in Language Teaching, (82-96). Hyderabad: Orient Black Swan.

Bhattacharya, R. (Trans.) (2017). B. Bandyopadhyay's Aranyak: Of the forest. The India List (Series). Kolkata & Chicago: Seagull Books with Chicago University Press.

Bhattacharya, R. (Trans.). (2018). The Philosopher's Stone by Parashuram and 'Nyadosh, the heavenly cow' by Mahasweta Devi, Timeless Tales from Bengal. New Delhi: Neogi Books.

Bhattacharya, R. (Trans.), (2018). Sworn Sisters and the gift of Water. Kolkata: Sahitya Akademi.

Bhattacharya, R. (Trans.), (2018). B. Bandyopadhyay's Restless Waters of the Ichhamati. New Delhi: Rupa.

Chatterjee, S. (2017). To Be Made Over: Vietnamese-American Re-Education Camp Mémoires. In *War Stories: The War Memoir in History and Literature*, (229-251). New York: Oxford.

Chatterjee, S. (2017). The media, the university, and the public sphere: Special article. *Economic & Political Weekly*, 52 (11), 55-61.

Chatterjee, S. (2017). The Distant Shores of Freedom: recollecting and rehabilitating Vietnam in America. In *War Memories: Commemoration, Recollections, and Writings on War*, (115-131). Montreal, London, Chicago: McGill-Queen's University Press.

Chatterjee, S. (2017). However Imperfect the Representation. In Jean-Jacques Malo (Ed.), W. D. Ehrhart in *Conversation: Vietnam, America and the Written Word*, (16-60). Jefferson: McFarland.

Devadawson, C. (2017). Shankar's graphic elegy and the emergence of neo-colonial India. *Writing Art, Art Ichol*. 3, 18—25.

Devadawson, C. (2017). Visuality, spectacle and the common good, in India today, *Faith in Higher Education, University of Roehampton + CUAC*, 97-107.

Devadawson, C. (Ed.), (2017). *Word Image Text: Studies in Literary and Visual Culture (Rpt)*. Delhi: Orient Black Swan.

Kumar, R. (Trans.), (2017). Bheda: An English translation of Akhila Naik's Bheda, the first Odia Dalit novel with a long Introduction. New Delhi: Oxford University Press.

- Kumar, R. (2017). Caste Class Oppression in Indian Literature: A Reading of Premchand's Godan. *International Journal of Communication*. 27(1).
- Kumar, R. (2017). Caste, Class and Gender: A Reading of Dalit Patriarchy. *Rama Devi Women University Journal of Social Sciences and Humanities*, 2.
- Kumar, R. (2018). Caste and local culture: Muli revisited. *Ravenshaw Journal of Literary and Cultural Studies*, 8.
- Kumar, R. (2017). Who is the Author of Madhusudan Rao's Barnabodha? Natabara Samantaray: A Reader. New Delhi: Sahitya Akademi.
- Panja, S. (2017). Sidney, Spenser, and the Royal Reader. UK, Newcastle: Cambridge.
- Panja, S. (Ed.) (2017). *Signifying the Self: Women and Literature*. (Rev. Ed). Delhi: Macmillan.
- Panja, S. (2017). Curfewed Night in Elsinore: Vishal Bhardwaj's Haider. In Shweta Rao Garg and Deepti Gupta (Ed.), *The English Paradigm in India: Essays in Language, Literature, and Culture*. (101-109). Palgrave Macmillan: Jean-Jacques Malo.
- Panja, S. (Ed.), (2017). *Word Image Text: Studies in Literary and Visual Culture*. (Rpt.). Delhi: Orient Black Swan.
- Raja, I. (2017). New Literatures: The Indian Subcontinent and Sri Lanka. *The Year's Work in English Studies*, (1179-1189). Oxford: OUP.
- Raja, I. (2017). South Asian Keywords: Funda. *South Asia: Journal of South Asian Studies*, 40(2), 308-310.
- Sharma, A., and Sabharwal. (2018). Anger is a Short Madness. In *The Psychological Impact of Partition in India*. New Delhi: Sage.
- Singh, V.K. (2018). Contemporary Tribal Life: Facts through Fiction. In *Situating Tribals of India (Culture, Language and Self)*, (47-64). Delhi: Yash Publisher.

## **Journals**

### **Number of faculty members serving as Editor(s)/Member(s) of Editorial Board—06**

- Bhattacharya, R. Member, editorial advisory board for a new book series, "New Directions in Comparative and International Education," by Bloomsbury Academic Publishing.
- Dubey, Y. K. Article Editor for Sage Open.
- Chatterjee, S. Member, Scientific Committee (Editorial Board), *Revue Lisa / Lisa e- Journal*, University of Rennes, France, 2016 onward. <http://lisa.revues.org/3975#tocto1n5>
- Kumar, R. Member, Editorial Board, Fortell, Delhi.
- Kumar, R. Member, Editorial Board, *Ravenshaw Journal of Literary and Cultural Studies*, Cuttack, Odisha.
- Qadeer, H. Member, Editorial Board, *Journal of Higher Education*, Jammu and Kashmir.

## **Research Projects**

### **International Grants-**

- WISER, University of Witwatersrand, Johannesburg, South Africa collaborative project, coordinated by Prof Isabel Hofmeyr, "Indian Ocean Humanities", Bhattacharya, R. International Partner.
- Indo-German Partnership in Higher Education (IGP), UGC-DAAD's Interdisciplinary Project 'Writing the Cosmopolitan Imagination: Genre Transactions in World Literary Space, 01 July 2016 – 30 June 2020. Devadawson, Christel R. Principal Investigator, Rs. 10722321/-.
- Indo-Canadian Fellowship for two years along with Dr. Shelley Hulan, University of Waterloo, Canada, 2017-2019, Panja, Shormishtha. Rs. 5 lakhs per annum.

## **Seminars Organized**

### **Talk Hosted by the Department (07)**

- Berthet, S. (2018) Assistant Professor, Shiv Nadar University. "Across Asia: Shipbuilding technology and culture in Chittagong." August 25, 2017.
- Chauhan, V. (2017) Associate Professor, Department of English, Zakir Husain College, University of Delhi. "People's Linguistic Survey of India: a survey and a movement" August 21, 2017.

Desai, R.W. (2018) Former Professor of English at the University of Delhi. Literature and Politics.” February 28, 2018.

Kona, P.R. (2018) Professor, Department of English, EFLU, Hyderabad. “Being and a Sense of Nothingness in the tragedy of King Lear.” March 15, 2018.

Kona, P.R. (2018) Professor, Department of English, EFLU, Hyderabad. “Romantic Revolution: Between Nostalgia and Utopia.” March 16, 2018.

Mehmood, S. (2018) Independent Scholar. “Kuch Ishq Kiya, Kuch Kaam: Revisiting Faiz Ahmed Faiz.” February 15, 2018.

Singh, A. (2018) Assistant Professor, Centre for Studies in Social Sciences, Kolkata. “Constructing Bhojpuri Language and Peoples: Methodological Reflections.” January 18, 2018.

### **Conferences Organised (05)**

Aneja, A. (2018). Convener of the International Conference on “Interrogating Disability Studies: Literature, Culture, Performance.” Organised by the Department of English (DU) in collaboration with ICSSR, Samarthanam Trust for the Disabled and Sahitya Akademy on March 8-10 2018.

Raja, I. (2018). Convener, International Conference on World Literature Postcolonial Perspectives, a collaborative conference between the Department of English and the Department of Germanic and Romance Studies, University of Delhi, and the Department of English and American Studies, Potsdam University, 15-17 Mar 2018.

Sharma, A. (2017). Convener of the International Conference on “The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories”, was organised in collaboration with IGNC, Sahitya Akademy and Indonesian Embassy on 6th, 7th and 8th April 2017.

### **Seminar/Conference Presentations (25)**

Antony, S. (2017). “The Vicious Circle: Heterotopia(s) in Dave Eggers’ The Circle (2013)” at Theorising Space: Three Day National Conference on the Intersections of Space and Culture organised by the Department of Humanities, Indian Institute of Space Science & Technology in collaboration with Centre for Cultural Studies, University of Kerala and Littcrit, held at the Department of Humanities, Indian Institute of Space Science & Technology, Trivandrum, Kerala, 14-16 December, 2017.

Bhattacharya, R. (2017). ‘Gender: Self and Society—The Visible and the Elusive’ at Faculty Development Programme at the Department of English, Delhi College of Arts and Commerce (DCAC), New Delhi, on November 10, 2017.

Bhattacharya, R. (2018). ‘Rehearsing with Rabindranath: Memory, place and movement’ in the seminar on ‘Time, Historicity and Memory’, organised by the National School of Drama, held at Jorasanko Thakurbari, Rabindra-Bharati University, Kolkata, 5-6 March 2018

Chatterjee, S. (2017). Be a better American: Returns and Refashioning in Andrew X. Pham’s Catfish and Mandala –A Two-Wheeled Voyage through the Landscape and Memory of Vietnam.’ Seminar on ‘Crossing Borders: Exploring New Paradigms of Interdisciplinarity and Transnationalism. University of Delhi, Delhi. 22-23 August 2017.

Chatterjee, S. (2017). Poetics and Politics in Poetry of the Vietnam War. Indian Council of Social Science Research (ICSSR)-sponsored National Seminar on ‘Socio-Economic Impact on 20th Century American Poetry.’ Sankardev College, Shillong. 7-8 December 2017.

Devadawson, C. (2018). “Graphic representation and the challenge of Dalit movements”, Dyal Singh (E) College, University of Delhi, March 2018.

Devadawson, C. (2018). “Thoreau and the peopling of a mindscape, Thoreau and the Transcendentalists”, Bharati College, University of Delhi, March 2018.

Dubey, Y.K. (2018). “Philosophies in Vernacular and Colloquial: Awadhi Folktales” Seminar on “Philosophy and Aesthetics.” Organised by the department of English and Other European Languages, Dr H G University, Sagar MP. National Seminar February 19-20, 2018.

Kumar, R. (2018). The Language of Translation in a seminar organised by Kirori Mal College, University of Delhi, Delhi on 21.02.2018.

Kumar, R. (2017). Autobiographies of the Marginal in a seminar organised by the Department of English, Delhi College of Arts and Commerce, Delhi on 10.11.2017.

Kumar, R. (2017). 'Caste, Culture and Politics: A Reading of Omprakash Valmiki's Jhootan' a special talk organised by the Department of English and Foreign Languages, Banastali Vidyapeeth, Rajasthan on 19.11.2017.

Kumar, R. (2017). 'Creative Theory in Dalit Context: Reading Akhila Naik's Bheda' in The Creative Theory Colloquium organised by Indian Council of social Science, Delhi on 05.09.2017.

Kumar, R. (2017). 'Reading New Literatures' in a Panel Discussion organised by Jaypee Institute of Information and Technology, Noida on 11.11.2017.

Kumar, R. (2017). 'Sociology of Self: Reading Indian Autobiographies' in Refreshers Course organised by Centre for Social System, School of Social Sciences, Jawaharlal Nehru University, New Delhi on 11.08.2017.

Kumar, R. (2017). 'Understanding Dalit Aesthetics' in Summer School jointly organised by the Department of English and Department of Education, Haryana Central University, Mahendergarh on 03.04.2017.

Kumar, R. (2017). 'Understanding Gender in India' in a seminar organised by the Department of English, Shyam Lal College (Evening), Delhi on 16.08.2017.

Kumar, R. (2018). 'Autobiography: Reading Self, Society, Nation' in a seminar organised by Swami Shradhanand College, University of Delhi, Delhi on 28.02.2018.

Kumar, R. (2018). 'Biswamoy Pati and Writing of Odisha History' in a seminar organised by Odisha Gabeshana Chakra and Nabakrushna Choudhury Centre for Development Studies, Bhubaneswar on 28.01.2018.

Kumar, R. (2018). 'Narrating the War: The 1965 Stories' in a seminar organised by Sahitya Akademi, Delhi on 16.02.2018.

Kumar, R. (2018). 'The Home and the World: Understanding Dalit Aesthetics' in an international conference jointly organised by the Department of English and the Department Germanic and Romance Studies, University of Delhi, Delhi on 16.03.2018.

Kumar, R. (2018). 'The Poetics and Politics of Lal Singh Dil' in a book discussion organised by Dr. Rajendra Prasad Institute, Delhi on 11.02.2018.

Kumar, R. (2018). 'The Poetics of Exile' in a national seminar organised by the Department of English, Shri Guru Nanak Dev Khalsa College, University of Delhi, Delhi on 28.03.2018.

Sharma A. (2017). 'Eighteenth Century Visual Culture and Sterne's Tristram Shandy,' at the Department of English Aurobindo College, Delhi University, 11th April 2017.

Sharma A. (2017). 'Mary Wollstonecraft—Post Revolutionary Aesthetics,' at the Department of English, Khalsa College, Delhi University, 6th November, 2017.

### **Other Inter-Institutional Collaboration**

"Writing the cosmopolitan imagination: Genre transactions in world literary space" under the Indo German Partnership in Higher Education (IGP) with Potsdam University during 2017-18

### **Students under Exchange Programme**

(A) The following students visited Potsdam University for the year 2017-18 as part of the student exchange of the project "Writing the cosmopolitan imagination: Genre transactions in world literary space" under the Indo German Partnership in Higher Education (IGP) with Potsdam University during 2017-18:

Payal A P, PhD, English

Musab Abdul Salam, MPhil, English

(B) Under the Foreign Exchange Student for Casual Affiliation — 2017-18 following students from the University of Edinburgh visited the Department of English:

Ms. Romey Olddworth

Mr. Rory Alexander Zinzan Scott

### **Placement Details (Number and percentage of students placed)**

35 Students

### **Extension and Outreach Activities**

Antony, S. Resource person for the MA Pre-entrance summer school for underprivileged students organised by the Department of English, University of Delhi, June 2017.

Dubey Y.K. Delivered lectures in two sessions in Pre-Entrance Summer School for weaker sections of the society, Department of English, University of Delhi, Delhi (June 2017).

Singh, V.K. Delivered lectures in two sessions in Pre-Entrance Summer School for weaker sections of the society, Department of English, University of Delhi, Delhi (June 2017).

### **Number of M.Phil. /Ph.D. Degrees Awarded**

Ph.D.: 07

M. Phil.: 37 (These students passed in year 2017 but degree will be awarded in next convocation function)

### **Faculty Strength**

Professor: 05 + 02 (vacant)

Associate Professor: 09 + 10 (vacant)

Assistant Professor: 08 + 02 (vacant)

### **Other Significant Information**

Babu, Hany MT. Delivered two lectures at the Refresher Course, Academic Staff College, Jawaharlal Nehru University, Delhi. January 22, 2018.

### **Events in the Department: Talks Organised by the department in the past one year**

#### **National**

Antony, S. (2017). Plenary Address: "Gastronomical Interventions and Gender Reconfigurations: Representations of Food and Gender in New Generation Malayalam Films", Directorate of Collegiate Education, Kerala sponsored national seminar on Gender Studies, Department of English, Govt. Arts & Science College, Kozhijampara, Palakkad, Kerala, 01-02, November, 2017.

Dubey, Y.K. (2018). Invited by the Department of English and Other European Languages, Dr H G University, Sagar MP for a Lecture on "Philosophy and Aesthetics." February 19-20, 2018.

Panja, S. (2017). "The Renaissance in Europe: An Introduction to the Intellectual Background" Satyawati College, University of Delhi, February 2017.

Panja, S. (2017). Keynote, "Shakespeare on the Indian Stage and Screen with special reference to Haider" "Shakespeare in Indian Literature and Languages" National Conference, Sahitya Akademi, Kolkata, January 2017.

Panja, S. (2017). Plenary, "Shakespeare in India" National Conference, "Contextualizing Shakespeare in India," LAD College for Women, Nagpur, February 2017

Qadeer, H. Invited Lecture on 'The Personal and Political in Mirza Ghalib's letters, Jindal University, Sonapat, India.

Qadeer, H. Two Invited lectures on English Language and Communication Skills at NIT, Kurukshetra, Haryana.

Raja, I. (2017). Guest Lecture: "When Ripeness isn't all: Ageing and Death in Three Indian Short Stories", Guest Lecture, Department of English, Potsdam University, Germany, Jun 2017.

Raja, I. (2017). 'To everything there is a season': Some speculations about body and time in Indian Fiction", National Conference on Ageing, Ageism and Cultures, Jadavpur University, Kolkata, India. [by invitation], Sept 2017.

Raja, I. (2018). Invited Lecture, Time for the Fruit to Fall? Deathbed Narratives in Modern Indian Literature', ANU, Canberra, Australia, 9 Feb 2018.

Raja, I. (2018). Keynote Lecture, 'Conspicuous Non-Consumption: Rethinking Agency in Contemporary Indian Fiction', and resource person at the National seminar on, The Politics of Food: Representations and Practices', St Theresa's College, Ernakulam, Kerala. [by invitation], 21 Feb 2018.

Sharma, A. (2017). "Eighteenth Century Visual Culture and Sterne's Tristram Shandy," at the Department of English Aurobindo College, Delhi University, 11th April 2017.

Sharma, A. Invited Expert. 10th November, 2017 '...I am made unlike any one I have ever met': Rousseau Confessions as Secular Autobiography and Romantic Self-Fashioning." Faculty Development Workshop for Credit Based Choice System for Undergraduate Studies at Delhi University at Delhi College of Arts and Commerce in collaboration with the Department of English, Delhi University.

Sharma, A. (2017). "Mary Wollstonecraft—Post Revolutionary Aesthetics," at the Department of English, Khalsa College, Delhi University, 6th November, 2017.

Singh, V.K. (2018). Delivered Lecture on "Role of English in Scientific/Research Writings." CEP on "Scientific Writing and Advance Publishing Tools," Defence Scientific Information and Documentation Centre, Delhi (March 2018) [Invitation].

#### International

Antony, S. (2017). "The Strange Case of the Indian Super League: A Study of Renaud Marquot's Documentary *Joue-la comme à Kochi* (Bend it like Kochi)" at the Postcolonial Studies Association (PSA) Convention 2017 held at the School of Advanced Study, Senate House, University of London, London, United Kingdom, September 18–20, 2017

Antony, S. (2017). "New Generation Malayalam Films as a Site of Liminality" at the 23rd International Conference on Social Science and Humanities (ICSSH), South Kensington Campus, Imperial College London, United Kingdom, 11-12 September, 2017

Antony, S. (2017). "Transcending the *tiNai*: a study of the literary, cultural and performative traditions of the Latin Catholic Community in Kerala" at Cross Multi Inter Trans Biennial Conference of the Association for the Study of Literature and the Environment (UK and Ireland) at Sheffield Hallam University, City Campus, Sheffield, United Kingdom, 6-8 September, 2017

Chatterjee, S. (2017). 'Aftermaths of the Vietnam War.' Public lecture at Università Ca' Foscari Venezia, Italy. 1 December 2017.

Chatterjee, S. (2018). 'Henry David Thoreau and the Politics of Civil Disobedience.' Plenary lecture at International Conference on 'Thoreau and the Transcendentalists: Their Philosophy and Related Concerns.' University of Delhi and India International Centre, New Delhi. 15-17 March 2018.

Devadawson, C. (2018). 'The Kiplings, Disney, and a visual conversation,' World Literature: Postcolonial perspectives, Deptts of English + Germanic and Romance Studies, University of Delhi, March 2018.

Panja, S. (2017). "Marlowe and Shakespeare Across Borders: Malta and Venice in the Early Modern World" Theatre without Borders, Cologne University, May-June 2017

Panja, S. (2017). "I shall lure you not with my beauty': Gender, Translation and Tagore's Songs" "Beyond Postcolonial Hermeneutics: Comparative Perspectives" International Conference, "School of Translation Studies & Training" IGNOU, March 2017.

Sharma, A. (2018). "Travelling Texts: Circulating Histories and Historical Ruptures in Indonesia: Lakshmi Pamuntjak's *Amba: The Question of Red*." 6th July, 2018. Chair and Paper Presenter at the International Conference Asia in Motion: Geographies and Genealogies at AAS-in-Asia, New Delhi.

Sharma, A. (2017). "Myth, Culture, Gender and Politics and the Indonesian Mahabharata: Reading Lakshmi Pamuntjak's *Amba: The Question of Red*." 7th April, 2017. The Mahabharata and Inter-Asian Cultures: Transmissions, Adaptations, Performances and Histories. The Department of English, Delhi University and supported by The Indira Gandhi Center for the Arts (IGNCA), Ministry of Education and the Indonesian Embassy. New Delhi.

Sharma, A. (2018). "From Mahatma to Madman? Gandhi as Refugee." 3rd January, 2018. India@70: Memories and Histories. IIT Kharagpur.

Sharma, A. (2018). "Colonial Imaginary and the Idea of Asia: The Project of British Romanticism." 17th March, 2018. World Literature: Postcolonial Perspectives. Department of English, Delhi University.

Sharma, A. (2018). "Networks of Empire and the Story of Opium: British Romanticism, Orientalism and Ghosh's *Ibis Trilogy*." 19th April, 2018. Annual Conference of the British Association of South Asian Studies at The University of Exeter, United Kingdom.



### Workshops Conducted and Organised

Antony, S. (2018). Conference Committee Member, "Interrogating Disability Studies: Literature, Culture, Performance", Department of English, University of Delhi in collaboration with ICSSR, Samarthanam and Sahitya Akademi, Conference Centre, University of Delhi (Main Campus), 8-10 March, 2018

Vats, N. (2018). Chaired a session "Providing support and inclusion in curriculum" at International conference on Disability Studies: Literature, Culture, Performance organised by Department of English, University of Delhi (8-10 March, 2018).

Vats, N. (2018). Conference Committee Member, "Interrogating Disability Studies: Literature, Culture, Performance", Department of English, University of Delhi in collaboration with ICSSR, Samarthanam and Sahitya Akademi, Conference Centre, University of Delhi (Main Campus), 8-10 March, 2018.

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## GERMANIC AND ROMANCE STUDIES

### Major Activities and Achievements

The Department organised the International Seminar on Imaginary Homelands from 8 – 10 March 2018; on World Literature: Postcolonial Perspectives from 15 – 17 March 2018; on Cosmopolitanism, Globalisation and Literary Space: Perspectives and Narrations of a (new) World Citizenship from 19 – 23 February 2018. The department also organised winter school for research students in collaboration with the University of Potsdam on the theme of Minor Cosmopolitanisms from 5 – 9 December 2017; Workshop on Translation & Didactics from 23 – 28 October 2017 and Workshop on Translation from 16 – 17 October 2017.

### Publications (05)

Maran, R. (2018). Écrivain colonial? Réflexions sur ses écrits biographiques d'après son Savorgnan de Brazza in (Edited. Roger Little) Interculturel Francophonies, n° 33: René Maran: une conscience intranquille, Alliance Française Lecce, 2018.

Mazumdar, S. (2017). Utopie/Dystopie in der deutschsprachigen und indischen Science-Fiction der Gegenwart. In: Jianhua Zhu, Michael Szurawitzki and Jin Zhao, eds., Akten des XIII. Internationalen Germanistenkongresses Shanghai 2015. Germanistik zwischen Tradition und Innovation, Vol. 8. Frankfurt am Main, Berlin, Bern, Bruxelles, New York, Oxford, Wien: Peter Lang

Roy, T. (2017) *In giro con l'italiano*. Goyal Publishers Int. ISBN 9789386862495

Sawhney, M. (2017). Elective Affinities. A Hispanist's tribute to Spain in Dhingra, Anil. Lopez Nadal eds. *Indo Spanish Cultural Encounters 1956-2016*. New Delhi: ICCR. 478–483

Sawhney, M. (2018). Latin American Travellers in Modern India in Leila Choukroune, Parul Bhandari eds. *Exploring Indian Modernities: Ideas and Practices*. Singapore: Springer. 168–184

### Research Projects (02)

DFG (German Research Foundation), "Minor Cosmopolitanisms", Research Training Group, Potsdam University, Humboldt University Berlin and Freie University Berlin, International Supervisor. 2016-2019. Amount sanctioned covers airfare and stay for Summer/Winter Schools and conferences.

UGC-DAAD, "Writing the Cosmopolitan Imagination: Genre Transactions in World Literary Space", collaborative research project bringing together the Departments of English and German at Delhi University and Potsdam University (Germany), UGC-DAAD Indo-German Partnerships in Higher Education Programme (IGP), 1 July 2016 to 30 June 2020, Coordinator. Amount sanctioned - Rs. 107, 22,321

### Seminars organized (07)

International Seminar on Imaginary Homelands, Department of Germanic and Romance Studies, University of Delhi, 8 – 10 March, 2018.

World Literature: Postcolonial Perspectives, 15 – 17 March, 2018

Cosmopolitanism, Globalization and Literary Space: Perspectives and Narrations of a (new) World Citizenship, 19 – 23 February, 2018.

Winter School for research students on the theme of Minor Cosmopolitanisms, 5 – 9 December, 2017.

Workshop on Translation & Didactics, 23 – 28 October, 2017

Workshop on Translation, 16 – 17 October, 2017

Annual International Seminar on Imaginary Homelands, Department of Germanic and Romance Studies, University of Delhi, 8 – 10 March. 2018.

### Seminar/Conference presentations (16)

Aggarwal, K., (2017). International Colloquium of APELA, *Images et Usages du Peuple dans les littératures de l'Afrique et de la Diaspora*, University of Alcalá, Alcalá de Henares, Madrid, Spain. September 12-15. 2017.

Aggarwal, K., (2017). International Colloquium on *La Relation franco-africaine: une nouvelle histoire politique et littéraire* (1975-2015), University of Strasbourg, France. April 11-13. 2017.

Aggarwal, K., (2018). Charles Forsdick (James Barrow Professor of French, U. of Liverpool, UK): *Sites of suffering, sites of memory*. March 13. 2018.

Aggarwal, K., (2018). International Colloquium, *Presse et littérature africaine(s)*, University of Montpellier-3. March 19-20. 2018.

Aggarwal, K., (2018). *Le Champ des études haïtiennes: définitions, enjeux et perspectives*. March 16-17. 2018.

Kumar, R., (2018). “In search of a homeland to belong: “The moon and the bonfires” by Cesare Pavese”. Three day international conference on Imaginary Homelands”, organised by the Department of Germanic and Romance Studies, University of Delhi. March 8 – 10. 2018.

Kumar, R., (2018). *Partition and Hindi films: a fictionalized version of indescribable human trauma*. 2 days national seminar held on 22nd and 23rd February 2018 by Satyawati College, (Eve.) University of Delhi in collaboration with National Council for promotion of Sindhi language, MHRD, Govt. of India on the topic “Bharat Vibhajan aur Sindhi Ashmita”.

Mazumdar, S., (2017). *Doing Cosmopolitanisms: Dynamics of Theory and Practice*, International Winter School with Potsdam University, University of Delhi. December 6-9. 2017.

Mazumdar, S., (2018) “Which Way Home?” – *Imagining Homelands*, Winter School, University of Delhi. 29 January- 2 February. 2018.

Mazumdar, S., (2018). *Cosmopolitanism, Globalisation and Literary Space-Perspective and Narrations of a (new) World Citizenship*, Nachwuchssymposium (19-21 Feb), Goethe Society of India International Conference (21-23 Feb), University of Delhi. February 19-23. 2018.

Mazumdar, S., (2018). *World Literature: Postcolonial Perspectives*, International Conference, University of Delhi, March 15-17. 2018.

Panda, E., (2017). *Deconstructing the queer aesthetics of Le bleu est une couleur chaude by Julie Maroh*, presented in the International Conference organised by the DGRS, DU, on the theme “New Experiments in Contemporary Literature”, March 2-4. 2017.

Panda, E., (2017). *Homeland fragmented in Monique Proulx’s short stories*”, presented in the International Conference organised by the DGRS, DU on, the theme, “Imaginary Homelands”, March 8-10 2018. Ena Panda, *Questions de l’identité et de l’aliénation dans les nouvelles écrites par les écrivaines canadiennes contemporaines*, presented in the National Seminar on French and Francophone Studies, organised by Department of French and Francophone Studies, English and Foreign Languages University, September 14-16. 2017.

Panda, E., (2017). *Récit de voyage photo-littéraire : une étude de Noa Noa de Paul Gauguin*”, presented in the International Conference organised by BHU on the theme *Récit de voyage dans la Littérature française et francophone*, February 22-24. 2017.

Roy, T. (University of Delhi), and Tavosanis, M., (University of Pisa) (2017). “*Il focalizzatore anche nei testi scritti di studenti con lingue indoeuropee come LI*” at the SLI 2017 conference held at Naples, Italy. September 28-30. 2017.

Roy, T. (University of Delhi), and Tavosanis, M., (University of Pisa) (2017). “*Errori, sequenze e interferenze nell’apprendimento dell’italiano in India*” at the 2017 Conference of the American Association of Teachers of Italian (AATI) in Palermo (Italy).

### **National/International MoUs signed**

University of Montpellier-III (French)  
French-speaking Universities Agency (AUF)- (French)  
University of Wuppertal (German)  
Freie University, Berlin, Germany (German)  
Potsdam University (German)  
University of Santiago de Compostela (Spanish)  
University of Navarra, Pamplona, Spain (Spanish)  
University of Turin, Italy (Italian)

**Placement details:** Few companies like Accenture, Amazon hold a campus drive in the Department

**Number of M.Phil/PhD Degree awarded:**

PhD. - 01 in Hispanic Studies

**Faculty strength:** Permanent: 13

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## **HINDI**

### **Major Activities and Achievements**

The Department of Hindi of the University of Delhi is one of the leading departments of the country. It creates, innovates, sustains and promotes high standards of academic excellence. The department has developed a very dynamic curriculum that can reflect and upgrade the needs of changing times, rapid growth in knowledge and requirements. High standard of research is maintained in the department as per UGC norms. The Department organised two National-level Seminars under DRS-SAP, a major Research program, funded by U.G.C. for 'Hindi Sahitya Ke Itihas Ka Punarlekhan and one National Seminar on 'Adivasi Sahitya, Sanskriti Aur Kala: Chunautiyan Evam Sambhavnaein' in collaboration with Indira Gandhi National Centre for the Arts (IGNC), New Delhi; 12-13 April, 2018.

### **Publications (15)**

- Kamble, M. M. (2017). *Sampreshan: Chintan Aur Dakshata*. 938-51448-98, 978-93851-4489-9.
- Kumar, S. (2017). *Aatmasajag Kala-Drishti Ka Zokhim*, Banas Jan; 25, pp. 89-97.
- Kumar, S. (2017). *Jeevan Jeene Ki Prakriya Aur Rachna-Prakriya Ke Prati Asadharan Sajagta*; Pakshdhar; 23, pp. 145—158.
- Negi, S. L. (2017). *Paryatan Ke Samajik-Sanskritik Sarokar; Kinner Desh Mein*; Jankriti International Magazine, 2.
- Negi, S. L. (2017). *Thery Gathaon Mein Vayakt Muktkami Swar*; Streekal e-Magazine,
- Negi, S. L. (2017). *Visthapan Aur Adivasi Stree*; Jankriti International Magazine, 3.
- Patel, R. (2018). *Madhyakalin Samaj Aur Sant Dadu Ka Sahitya*: Sahrdaya; issue pp. 34-35, 240-244.
- Patel, R. (2018). *Muktibodh Ka Kavya Mulya, Srijan*; issue 21; pp. 4-6.
- Rai, A. (2017). *Acharya Shivpujan Sahay Ka Gadya*. Nai Dhara, Patna; 3-4
- Rai, A. (2018). *Acharya Dwivedi Ki Dharohar*. Jansatta
- Sharma, K. (2017). *Bhartiya Sahitya Ke Nirmata: Ambika Prasad Bajpai*. New Delhi: Sahitya Academy.
- Tiwari, V. (2017). *Nityanand Tiwari Ki Aalochna Drishti*; Samkalin Soch, 63, 71-79
- Tiwari, V. (Ed.). (2018). *Acharya Hazariprasad Dwivedi Ke Shrestha Nibandh*. Allahabad: Lokbharti Prakashan.
- Tiwari, V. (2018). *Nazim Hikmat Ke Desh Mein*. Haryana: Aadhar Prakashan.
- Tiwari, V. (2018). *Samiksha Ka Ek Khuley Sanskritik Parivesh Se Judna Review*; 4, pp. 211-213

### Research Projects (01)

University Grants Commission. On Going Major Research Project, Topic: “*Hindi Jansanchar Madhyamon Mein Anuvaad Ki Prakriya Ka Bhashik Vishleshan*”, (2015-2018), Dr. Manju Mukul Kamble, Rs. 12.49 Lakh.

### Seminars Organised (01)

Negi, Sneha Lata organised a seminar on ‘Social Perspective of Folk Arts’; Speaker : Dr. Kapil Tiwari, Former Director, Madhya Pradesh Tribal Academy, February, 2018

### Seminar/Conference Presentations (14)

Sharma, K. (2017). Hindi Navjagran Aur Shivpujan Sahay at Sahitya Academy, Delhi, September 28, 2017.

Sharma, K. (2017). Media Mein Mahilaon Ki Kshavi at University of Allahabad, December 09, 2017.

Sharma, K. (2017). Samkalin Jeevan Ke Pariprekshya Mein Nari Ki Mansik Vihwaltaon Ki Prastuti – Hindi Sahitya Mein: at University College Thiruvananthapuram, Trivendram, April 21 & 22, 2017

Sharma, K. (2017). Stree Lekhan Ki Chunaotiyan Aur Sambhavnayein : Internationl Seminar at Tribhuvan University, Nepal, August 27-28, 2017.

Sharma, K. (2017). Vaishvik Patal Par Hindi at Haryana Sahitya Academy, September 12, 2017.

Sharma, K. (2018). Gender Discourse in India : Recent Trends : at Kanpur; Organised by Centre for the Study of Society and Politics (CSSP), February 27, 2018.

Sharma, K. (2018). Hindi Sahitya Aur Vimarsh : Sandarbh Dalit Chetna in Brahmaputra Festival, Guwaahati; Organised by National Book Trust of India, December 09, 2017.

Sharma, K. (2018). Stree Lekhan Mein Stree in Brahmaputra Festival, Guwaahati; Organised by National Book Trust of India, February 10, 2018.

Sharma, K. (2018). Swadhinta Sangram Mein Rashtriya Kavyadhara Ke Kaviyon Ka Yogdan at Jodhpur; Organised by Jai Narayan Vyas University, Jodhpur, March 25, 2018.

Sharma, K. (2018). The Challenges to Women’s Freedom Today National Seminar at Sahitya Academy, Delhi, March 08, 2018.

Tiwari, V. (2017). Bhoomandaliya Yathartha Aur Nai Sadi Ki Kahani; SIES College, Mumbai University, Mumbai, April 20, 2017

Tiwari, V. (2017). Samkalin Katha Lekhan Bhasha, Academic Staff College, Jamia Millia Islamia, New Delhi, September 15, 2017

Tiwari, V. (2017). Tulsi Ke Kavya Mein Ramrajya Ki Sankalpana, Kamla Nehru College, University of Delhi, Delhi, August 29, 2017

Tiwari, V. (2017). Sahitya Shikshan Pravidhiyan ke Antargat Kahani Shikshan, Sankay Visheshagyata Karyakram (FDP), I.P. College, University of Delhi, September 20, 2017

### Number of M.Phil. /Ph.D. Degrees Awarded:

Ph.D. :27

M.Phil. :18

### Faculty Strength:

Permanent: 20

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## LIBRARY AND INFORMATION SCIENCE

### Major Activities and Achievements

During the academic session 2017-2018, the Department successfully organized the following academic activities which received overwhelmed responses and accolades from the different stakeholders of Library and Information Science fraternity across the country.

71<sup>st</sup> Annual Day Function- 2017 was organized on 20<sup>th</sup> April 2017 graced by Hon'ble Prof. Tarun Kumar Das, Registrar-University of Delhi as Chief Guest. Hon'ble Prof. Inder Mohan Kapahy, Member, University Grants Commission (UGC) as Keynote speaker and Hon'ble Prof. Ramsaran Gaur, Chairman, Delhi Public Library as Guest of Honour. The eminent guests shared their experiences and inspired the students to shoulder the professional responsibilities with dedication and commitment.

Celebrated 'Librarians Day' on 126<sup>th</sup> Birth Anniversary of Padma Shree Dr. SR Ranganathan on 11<sup>th</sup> August 2017 by inviting Hon'ble Prof. Devesh K. Sinha, Dean of Colleges, University of Delhi as Chief Guest; Hon'ble Prof. D K Singh, Dean Recruitment and Promotions, University of Delhi as Guest of Honour and Dr. Usha Mujoo Munsri, Chief Librarian, Indian Institute of Public Administration (IIPA) as Keynote Speaker. The guests shared their vision and experiences with students.

Celebrated 'Teachers Day' on 5<sup>th</sup> September 2017 by inviting Hon'ble Prof. Maharaj K Pandit, Dean Science, University of Delhi; Hon'ble Prof. Neeta Sehgal, Proctor, University of Delhi as Guest of Honour and Hon'ble Prof. M. Moni, Ex Director General, National Informatics Centre (NIC) as Keynote Speaker. The speakers discussed and explained their views and experiences.

### Honours and Distinctions

Dr. KP Singh: 'DLA- Distinguished Faculty Award-2017, conferred by Delhi Library Association (DLA).

Dr. M Madhusudan: Award for Excellence in Research by Education expert- 2017

### Publications (54)

Ajeemsha, S. and Madhusudhan, M. (2017). Role of designation and agencies for learning: A study of Library Professionals working in Central University Libraries of South India. In Ajit Kumar (Ed), (pp. 114-118). Delhi: G B Books.

Asmi, N. A. and Madhusudhan, M. (2017). Academic social networking sites for researchers in Central Universities of Delhi: A study of Research Gate and Academia. *Global Knowledge, Memory and Communication (previously published as: Library Review, Emerald)*. 67(1-2), 91-108.

Bebi and Kumar, S. (2017). Contributions by women faculties of Physics from select Institutions of Delhi: A scientometrics study. *DESIDOC Journal of Library and Information Technology*. 37(6), 410-416.

Bharti and Meera. (2017). Research output of University of Delhi and Jawaharlal Nehru University in the field of Arts and Humanities: A study of Thomson Scientific Database during 2004-2016. *International Journal of Research in Library Science*. 3(2), 40-63.

Bhatt, R.K. (2017). Information consolidation & repackaging in agriculture sector of India: An evaluative study. In Knowledge Organization, Access and Management in the Digital Environment: Emerging Dimensions: Festschrift in Honour of Prof K. Somasekhara Rao, (pp. 71-80.). Hyderabad: Academic Book Publishers.

Bhatt, R.K. (2017). The survival kit for libraries: A marketing approach. New Delhi: K. K. Publication.

Chander, H. and Singh, K.P. (2017). Publication of Punjabi books by Sahitya Akademi, Delhi: A study. *Journal of Library and Information Science*, 42 (1-2), 43-51.

Chander, M. and Singh, K.P. (2017). Research productivity in Environmental Sciences: A review study. *Journal of Library and Information Science*, 42 (1-2), 119-135.

Dey, T. and Singh, K.P. (2018). Indian Journal of Chemistry Section B: A bibliometric study. In KP Singh (Ed.), Proceedings of National Conference on ERMED: Digital Health India: A Reality, (pp. 200-220). New Delhi: Allied Publishers.

Gupta, M. and Walia, P. K. (2017). Web presence and structure evaluation of the European national libraries' websites: a study. *Library Philosophy and Practice*. Retrieved from <http://digitalcommons.unl.edu/libphilprac/1809>.

Gupta, P. and Madhusudhan, M. (2017). A review of literature on the recent developments in the application of electronic security system in libraries. *Journal of Library and Information Science*, 42(1-2), 136-152.

Gupta, P. and Madhusudhan, M. (2017). RFID technology in libraries: A review of literature of Indian perspective. *DESIDOC Journal of Library & Information Technology*, 37(1), 58-63.

Gupta, P. and Madhusudhan, M. (2017). Use of multifaceted electronic security systems in a library environment. *Journal of Knowledge & Communication Management*, 7(2), 116-130.

- Gupta, P. and Madhusudhan, M. (2018). Security of Library Materials: Challenges and Solutions. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp. 402-414). Hyderabad: B S Publications.
- Jhamb, Garvita, and Meera. (2017). Collaborative pattern of the scientists from National center for Antarctic and Ocean Research, Goa, India. *In the proceedings of the 6th National Conference of Institute of Scientometrics on Information for all: Scientometrics, Infographics, Social Media, & Public Libraries*, (pp. 53-62).
- Jhamb, Garvita, and Meera. (2017). Performance appraisal of Library and Information Science professionals. In Amit Kumar & Vinod Kumar Singh (Eds.), *New Horizons of Librarianship in Knowledge Society* (65-83). Delhi, India: Today and Tomorrow.
- Jhamb, Garvita, and Meera. (2017). Work Environment in the libraries: A study. *Journal of Information Management*, 4(1), 23-34.
- Kumar, M. (2017). Marketing of library products and services by select Indian Institute of Technology libraries in India. *Veethika*, 3(4), 9-23.
- Kumar, M. (2017). Role of library staff in marketing of library products and services with user's response: A study of select IIT libraries in India. *Veethika*, 3(4), 49-66.
- Kumar, M. (2017). Students awareness about plagiarism: A study of University of Delhi. *Veethika*, 3(3), 58-72.
- Kumar, M. (2017). User study of marketing of Library and Information Science products and services by Indian Institute of Technology Bombay library. *Veethika*, 3(3), pp.15—33.
- Kumar, M. (2018). Marketing and library services: A study of Indian Institute of Technology Roorkee library. *Veethika*, 4(1), 27-44.
- Kumar, M. (2018). Marketing of library products and services: Inevitable for libraries survival and futuristic approach. *Journal of Library and Information Science*, 42(1-2), 98-118.
- Kumar, M. and Singh, K. P. (2017). User study of marketing of library and science products and services by Indian Institute of Technology Delhi library. *Library Herald*, 55(4), 547- 61.
- Lamba, M. and Bhatt, R.K. (2017). Marketing of library products and services in select medical libraries in Delhi in digital environment: A comparative study. In a 2<sup>nd</sup> international conference of Asian Libraries 2017: Jamia Millia Islamia, Delhi. 179-192.
- Lamba, M. and Madhusudhan, M. (2018). Application of topic mining and prediction modeling tools for Library and Information Science Journals. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp. 395-401). Hyderabad: B S Publications.
- Leishichan, Z. and Meera. (2017). Authorship pattern and collaborative research in the field of Political Science in India. *In the proceedings of International Conference on Knowledge Organization in Academic Libraries (I-KOL-2017)* (pp. 112-120), held at Goa University on 15-16 December 2017.
- Madhusudhan, M. (2018). Leveraging Q R (Quick Response) Code as frugal innovation in Academic Libraries. In M R Murali Prasad et al. (Eds.), *Library Practices in Digital Era*, (pp.415-425). Hyderabad: B S Publications.
- Madhusudhan, M. (2018). *Library Practices in Digital Era*. (Ed.). New Delhi: B S Publications.
- Madhusudhan, M., and Dar, S. A. (2017). Mobile information services and initiatives in university libraries: A new way of delivering information. *DESIDOC Journal of Library & Information Technology*, 37(2), 109-118.
- Meera and Kimi. (2018). A multimedia perspective of Sangeet Natak Akademi and Prasar Bharati archives: A comparative study. *ISST Journal of Advances in Librarianship*, 9(1), 45-56.
- Meera and Ruchi (2017). Collaboration pattern in Library Heralds: A scientometric study. *International Journal of Engineering Technology, Management and Applied Sciences*. 5(6), 189-195.
- Meera and Singh, J. (2017). Use of anti-plagiarism tools by research scholars of Jawaharlal Nehru University and University of Delhi: a study. *International Journal of Research in Library Science (IJRLS)*. 3(1), 203-223.
- Meera, and Jhamb, G. (2017). LIS professionals' recruitment, selection, placement and induction practices in select libraries in Delhi. *Library Herald*. 55(4), 530-546.

- Meera, and Jhamb, G. (2017). Training and development of professionals in select libraries in Delhi. *Journal of Library and Information Science*, 42(1-2), 64-65.
- Misao, P., and Madhusudhan, M. (2017). Online citation tools: A comparative study. *World Digital Libraries*, 10(2), 113-131.
- Rani, R., and Kumar, S. (2017). Information needs of student artists of college of arts, University of Delhi and faculty of Fine Arts, Jamia Millia Islamia: A study. *Journal of Library and Information Science*, 42(1), 32-42.
- Satija, M.P., Daniel, M. A. and Segundo, R. S. (2018). Library classification and S R Ranganathan: A guide, Manuel (Ed.) New Delhi: Satija Research Foundation for Library and Information Science (SRFLIS) and ESS ESS Publications.
- Senthil, V. and Madhusudhan, M. (2018). DRDO e-journal consortium in Defense Science and Technology. *DESIDOC Journal of Library & Information Technology*, 38(1), 16-20.
- Sharma, R. and Madhusudhan, M. (2017). Use of mobile devices by Library and Information Science students in central universities of Uttar Pradesh. *DESIDOC Journal of Library & Information Technology*, 37(4), 293-302.
- Siddiqui, S. Kumar, M. and Walia, P. K. (2017). Research paradigms in social sciences: A case study of Shodhganga. CALIBER 2017 Retrieved from caliber.inflibnet.ac.in
- Singh, K. P. (2018). Historical glimpses of Department of Library and Information Science, University of Delhi and remembering the first generation of teachers and alumni: Preserving its diversity. *Library Herald*, 56(2), 197-2018.
- Singh, K. P. and Chander, H. (2017). Books published in Punjabi: A case study of Bhasa Vibhag, Punjab. *Library Herald*, 55 (1), 89-100.
- Singh, K. P. and Shukla, K. (2017). Study of Library and Information Science journals in India Indexed in Major Indexing and Abstracting sources worldwide. In M P Singh (Ed.), *Revisiting Library Profession-Festschrift Volume in Honor of Prof. B. S. Nigam*. Delhi: The Book Line.
- Singh, K.P., Chander, H. and Shukla, A. (2017). Library and information science Journals in India: A qualitative study. In B Ramesh Babu, et al. (Eds.), *Knowledge organization, Access and Management in the Digital Environment: Emerging Dimensions-Festschrift in Honour of Prof. K. Somasekhara Rao*, (pp. 420-428). Hyderabad: Academic Book Publishers.
- Singh, M. and Bhatt, R. K. (2017). Promotion of library and information sources and services: Sales promotion. In proceeding of the international conference on knowledge organization in academic libraries (I-KOAL: 2017) jointly organized by Library Professionals Association (LPA) and Goa University, Goa.
- Singh, V. and Madhusudhan, M. (2018). Information security measures of libraries of central universities of Delhi: A Study." *DESIDOC Journal of Library & Information Technology*, 38(2), 102-109.
- Singhal, N. and Meera. (2017). Job satisfaction among LIS Professionals in select health science libraries in Delhi: a study. 11th International CALIBER 2017on "Reenvisioning Role of Libraries, held at Anna University Chennai, 2-4 Aug 2017.
- Sohal, K. M. and Walia, P. K. (2017). Use of social media technologies (SMTs) by faculty members, research scholars and post-graduate students in management studies. *SRELS Journal of Information Management Studies*, 54(4), 204-210.
- Srivastava, Gaur, G., Bhatt, R. K., Hussain, S. and Ruhella, A. (2016) Preservation and access of culture heritage (Manuscripts) knowledge: A case study of Nehru Memorial and Museum and Library. *Journal of Library and Information Science*. 42(1-2), 18-26.
- Srivastava, Gaur, G., Bhatt, R.K. and Ansari, M. (2017). Competencies for LIS Professional in ICT environment. *Journal of Library and Information Science*, 42(1-2), 25-31.
- Tiwari, N., and Singh, K. P. (2018). Human resource development in libraries: A literature review. *Library Herald*, 56(2), 242-254
- Verma, S. and Madhusudhan, M. (2018). Altmetrics tools to measure research impact beyond traditional bibliometrics. In Rama Nand Malviya, et al. (Eds.), *Changing digital landscape in SMART environment*, (pp. 305-309). New Delhi: Orange Books.

### **Conference/Seminar Presentations (07)**

Dey, T. and Singh, K. P. (2018). Indian Journal of Chemistry Section B: A bibliometric study. In Proceedings of National Conference on ERMED: Digital Health India: A Reality Edited by KP Singh. Allied Publishers: New Delhi. P. 200-220.

Jhamb, Garvita and Meera. (2017). Collaborative Pattern of the scientists from National centre for Antarctic and Ocean Research, Goa, India. In the proceedings of the 6th National Conference of Institute of Scientometrics on Information for all: Scientometrics, Infographics, Social Media, & Public Libraries (pp. 53-62).

Lamba, M. and Bhatt, R. K. (2017). Marketing of Library Products and Services in Select Medical Libraries in Delhi in Digital Environment: A Comparative Study. In a 2<sup>nd</sup> international conference of Asian Libraries 2017: Jamia Millia Islamia, Delhi. 179-192

Leishichan Z. and Meera. (2017). Authorship Pattern and Collaborative Research in the Field of Political Science in India. In the proceedings of International Conference on Knowledge Organization in Academic Libraries. (I-KOL-2017), held at Goa University on 15-16 December 2017; 112-120

Siddiqui, S., Kumar, M., and Walia, P. K. (2017). Research paradigms in social sciences: A case study of Shodhganga. CALIBER 2017 Retrieved from caliber.inflibnet.ac.in

Singh, M. and Bhatt, R. K. (2017). Promotion of Library and Information Sources and Services: Sales Promotion. Proceeding of the International Conference on Knowledge Organisation in Academic Libraries (I-KOAL:2017) jointly organised by Library Professionals Association (LPA) & Goa University, Goa.

Singhal, N. and Meera (2017). Job satisfaction among LIS Professionals in Select Health Science Libraries in Delhi: a study. 11th International CALIBER 2017 on "Reenvisaging Role of Libraries, held at Anna University Chennai, 2-4 Aug 2017.

### **Conference/Seminar Organised:**

The department organized a series of lectures during 2017-2018.

The first lecture was organized on 5<sup>th</sup> February 2018 in collaboration with Ranganathan Research Circle (RRC) on the topic 'Reading Habits of Users in Digital Age' ....delivered by Prof. CK Ramaiah, Dean, Performing Arts and Media, Pondicherry University, Puducherry and a rank holder alumnus of the University of Delhi.

The second lecture was delivered by Prof. Jaideep Sharma, University Librarian and Professor, Department of Library and Information Science, Indira Gandhi National Open University (IGNOU) and a rank holder alumnus of the Department on the topic 'Library Profession-Literature Based Approach' on 8<sup>th</sup> February 2018.

The third lecture was delivered by Ms. Kala Anjan Dutta, Ex Director, American Library and a rank holder alumnus of the Department on 'Librarianship as Career' on 15<sup>th</sup> February 2018.

The fourth lecture was delivered on the theme 'Emerging Trends in Libraries and Library Services' by Dr. Ravinder Kumar Sharma, Chief Librarian, United Nations Information Centre for India and Bhutan (UNIC) on 13<sup>th</sup> March 2018.

The fifth lecture was delivered by Prof. PB Mangla, Ex Head and Dean Faculty of Arts, University of Delhi and National Tagore Fellow on the topic 'Library and Information Science Paradigmatic Changes' on 4<sup>th</sup> April 2018.

### **Number of Ph. D./M. Phil. awarded:**

Ph.D.: 04

M.Phil.: 18

### **Number of faculty Permanent/Temporary/Ad-hoc:**

Permanent: 07

### **Other Significant Information**

#### *Conduct of One Month Internship Programme for the Blis Students*

As a part of curricula of Bachelor of Library and Information Science (BLISc) i.e., B-111 - Internship Programme for one Month Internship, students were deputed under the supervision of faculty members in



the prominent libraries of Delhi namely Netaji Subhash Institute of Technology (NSIT), National Medical Library (NML), National Informatics Centre (NIC), Bureau of Indian Standards (BIS), Indian Institute of Public Administration (IIPA), Delhi Technological University, Institute of Nuclear Medicine and Allied Subjects (INMAS) and Delhi University Library System (DULS), University of Delhi w.e.f. 18<sup>th</sup> May 2018 to 17<sup>th</sup> June 2018. The students successfully completed their internship and their work was duly appreciated by respective librarians.

#### *Education Tour*

Local Education Tour was organised to visit the libraries of OP Jindal University and National Institute of Food Technology Entrepreneurship and Management (NIFTAM), Sonapat, Delhi NCR under the in-charge ship of Dr. KP Singh. Similarly, national education tour was also successfully organised under the in-charge ship of Dr. KP Singh and three associates namely Dr. Arun Kumar, Assistant Professor (Adhoc), Department of Library and Information Science, Mr. Vijay Kumar Gautam, Ph D Scholar and Librarian IP College, University of Delhi and Mr. Vishwanath Manjhi, Junior Assistant in the Department. The students visited the prominent libraries of Haryana, Chandigarh and Himachal Pradesh namely Department of Library and Information Science (DLIS, Central Library, Kurukshetra University, Kurukshetra and National Institute of Technology (NIT) Kurukshetra Library (Haryana), Indian Institute of Science Education and Research (IISER) Mohali, Department of Library and Information Science (DLIS) and AC Joshi Library of Punjab University, Chandigarh (Punjab) and Monesty Library Manali (HP).

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## **LINGUISTICS**

### **Major Activities and Achievements**

The Department of Linguistics has continued to function as a UGC Centre for Advanced Studies, one among eight departments (in all) of the University of Delhi. During the period 01.04.2017 to 31.03.2018, it has not only been active in full-time PG teaching and research, it has also organised and hosted high-profile national and international conferences, workshops, and seminar lectures featuring cutting-edge research and analytical methods relating to Linguistics. The Department also continued international collaborations in research and in teaching, besides high-level academic interactions, with foreign universities such as the Norwegian University of Science & Technology, Oslo University, Norway, and the Hankuk and Busan Universities, South Korea. The Department also observed the UNESCO recognized International Mother Language Day on February 21, 2018.

### **Honours/Distinctions**

Satyanath. S. Invited for a Talk at Linguistics Department, Cornell University, Ithaca. (Jointly hosted by Inequality cell, Cornell University, Ithaca and South Asia Studies, Syracuse University), March 28, 2018.

Satyanath. S. Invited as a Plenary speaker at Globalising Sociolinguistics (GloSoc2) “Communicating in the city”, Leiden University, The Netherlands (December 2018).

Bhattacharya, T. Sahapedia UNESCO Fellowship (Sept.-Dec., 2017)

Bagchi, T. International Affiliate Member, Forum for European Philosophy, UK and France, 2002-2007.

Bagchi, T. International Associate Member, American Philosophical Association, since 2001.

Bagchi, T. Member (Life), Dravidian Linguistics Association, since 2017.

Bagchi, T. Member (Life), Linguistic Society of India, since 2002.

Bagchi, T. Member of Editorial Board (for Semantics), MIT Open Access Handbook Series (2017-present).

Bagchi, T. Member, Advisory Board, Journal of South Asian Linguistics (JSAL).

Bagchi, T. Member, Centre international pour la Recherche interdisciplinaire en Psychiatrie (CIRIP), Denmark and France.

Bagchi, T. Member, Linguistic Society of America, since 2000.

Bhattacharya, T. Member, FOSSSIL (Formal Studies in Syntax and Semantics of Indian Languages).

Bhattacharya, T. Member, GLOW (Generative Linguistics of the Old World).

Bhattacharya, T. Member, Linguistics Society of India (Linguistics Society of India).

Bhattacharya, T. Guest Editor: *Language and Language Teaching*, July 2016, Vol. 10.

## Journals

- Satyanath, S. Chief Editor, *Asia-Pacific Language Variation*. John Benjamins (2015-Present)
- Satyanath, S. Member, Editorial Advisory Board. *Journal of Pidgin and Creole languages*. John Benjamins (until 2014).
- Satyanath, S. Member, Editorial Board (January 2018-2021), *Journal of Sociolinguistics*, John Wiley & Sons Ltd.
- Satyanath, S. Member, Editorial Board, John Benjamins (Creole Library Series). 2006-present.
- Bhattacharya, T. Chief Editor, *LISSIM Working Papers*.
- Bhattacharya, T. Chief Editor: *Indian Linguistics*.
- Bhattacharya, T. Editor, *People's Linguistic Survey of India volume on Indian Sign Language*.
- Bhattacharya, T. Member, Editorial Board, *Language and Language Teaching* (APU/ VBERC) (since 2010).
- Bhattacharya, T. Member, Editorial Board, *Syntax* (published by Wiley-Blackwell) (since 2010).

## Publications (15)

- Bagchi, T. (2017). Aspects of the syntax and semantics of quantifiers: The example of *onek* 'many' in Bangla. In Singh, S. K., Kashyap, A., War, B., Lyngdoh, S.A., and Khyriem, B. (Eds.), *Fabric of Indian Linguistics: A Festschrift in Honor of Prof. Udaya Narayana Singh*. (pp. 187-201). New Delhi: Lakshi Publishers.
- Bagchi, T. (2017). Issues in (co-) reference, syntactico-semantic typology, and discourse representation. In Singh, S.K., and Lyngdoh, S.A. (Eds.), *Syntactic Typology, Language Contact and Convergence*, (pp. 42-52). Guwahati: EBH Publishers.
- Bagchi, T. (2017). Scalarity and the quantifier *onek* 'many, a lot (of)' in Bangla, *Indian Linguistics*, 78(1-2), 153-158.
- Bagchi, T. (2017). Why ethical safeguards matter in medical nanotechnology: Prospects and problems in the delivery of nanomedicine via microsurgical interventions. *International Journal of Scientific Research*, [UGC Serial No. 49217, peer-reviewed], 6(12), 5-7.
- Bhattacharya, T. (2017). Adoption of universal design for learning for meaningful inclusion. In D. Sonpal, S. Prasad, and S. Vaishnav (Eds.), *Child and Disability*. New Delhi: Prabhat Publishing House.
- Bhattacharya, T. (2017). Being human, again, part 1. *neScholar*, 3(4), 20-30.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 3. *neScholar*, 3(1), 60-70.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 4. *neScholar*, 3, (2), 52-65.
- Bhattacharya, T. (2017). Peopling of the Northeast, Part 5. *neScholar*, 3(3), 54-64.
- Bhattacharya, T. (2017). The power of Alice: A personal tribute. *Indian Linguistics*, 78(1-2).
- Bhattacharya, T. (2018). Being human, again, Part 2. *neScholar*, 4(1), 44-53.
- Satyanath, S. (2017). Editorial. *Asia-Pacific Language Variation*, 3(1), 1-4. [This journal is peer reviewed and indexed in: CNKI ; Glottolog ; IBR/IBZ].
- Satyanath, S. (2017). Editorial. *Asia-Pacific Language Variation*, 3(2). [This journal is peer reviewed and indexed in: CNKI ; Glottolog ; IBR/IBZ].
- Satyanath, S. (2017). Mapping Linguistic diversity in colonial Bengal. In Ostler, N., and Mohanty. P. (Eds.), *Language colonization and Endangerment: Long-term effects, echoes and reactions. Proceedings of the 20<sup>th</sup> FEL Conference*, (pp. 27-32). England: Foundation for Endangered Languages.
- Satyanath, S. (2018). Kohima: Language variation and change in a small but diverse city in India. In Smakman, D. and Patrick (Eds.). *Urban Sociolinguistics: The city as a linguistic process and experience*. Heinrich (Ed.). *Globalizing Sociolinguistics*, (pp. 95-112). London and New York: Routledge.

## Research Projects (03)

- UGC, Indo-Norway Cooperation Programme (INCP) entitled “*A Microcomparative Study of ‘Doubling’ in Dialects of Meeteilon and Norwegian as a case of Syntactic Variation*”, 2014-17 Dr. Tanmoy Bhattacharya, PI. Rs.65,81,491/-

UGC, Major Research Project entitled “*Linguistic Variations across six Dialects of Meiteilon*”, 2015-2018, Dr. Tanmoy Bhattacharya, PIRs.11,99,400/-

Kanda University of International Studies, Japan, 2018-2022. Research collaboration and cooperation with Kanda University of International Studies, Japan. The project seeks to develop modules in eight different varieties of English including Indian English Phase I [2015-2016]; Phase 2 [2018-2022]. Dr. Shobha Satyanath.

### **Seminars/Workshop Organised (02)**

A series of four Workshops on Phonetics and R (October 23-27, 2017) by Professor Peter Keegan, Auckland University, New Zealand.

Seminar Lecture by Professor Anastasia Giannakidou on “*The Past, the Future and What is Real*” (January 31, 2018) co-organised by the University of Chicago Centre in Delhi and the Department of Linguistics, University of Delhi. (Podcast of the lecture is hosted on the University of Chicago USA website.)

### **Conference Organised (01)**

45TH All India Conference of Dravidian Linguists & International Symposium on Case, Agreement and Postpositions (23-25 June 2017 at University Of Delhi) in collaboration with CIIL, Mysore, Dravidian Linguistics Association & International School of Dravidian Linguistics, Thiruvananthapuram.

### **Seminar/Conference Presentations (25)**

Bagchi, T. (2017). On Aktionsart issues relating to dative-experiencer predicates in Indic. Paper presented in absentia at the 33<sup>rd</sup> South Asian Languages Analysis Roundtable (SALA 33) International Conference at Adam Mickiewicz University, Poznan, Poland, EU, May 15-17, 2017.

Bagchi, T. (2017). When genomics and personalized medicine meet ‘tiny’ theranostics: Policy concerns. Invited presentation made at the World Congress on Genetics, Genomics, and Personalised Medicine organised by the Department of Biotechnology, Govt. of India, and BioGenesis Inc., and hosted by the Indian Institute of Science-Bengaluru at the J. N.-Tata Auditorium, IISc-Bengaluru, November 15-17, 2017.

Bagchi, T. (2017). Why ethical safeguards matter in medical nanotechnology: Prospects and problems in the delivery of nanomedicine via microsurgical interventions. Invited presentation made at the 13<sup>th</sup> International Conference on Nanomedicine and Pharmaceutical Nanotechnology (NanoMed 2017), Aurelio, Rome, Italy, July 24-25, 2017.

Bagchi, T. (2018). *Mudrā* [dance gesture], *Abhinaya* [facial mime], and specific issues in pragmatics. Presentation made at the International Workshop on “Dance as Gesture” co-organised with the University of Chicago Project on Language, Gesture, and Dance, University of Chicago Center in Delhi, New Delhi, January 29-30, 2018.

Bhattacharya, T. (2017). “Agreement and Pronominalisation: Two Different Ways to Agree” invited Plenary speaker, SALA 33, Adam Mickiewicz University in Poznań, Poland, May 15-17, 2017.

Bhattacharya, T. (2017). “Argument Indexation in the North, East, and the Northeast: of People and Their Actions”, invited talk at the Linguistic Variation in the Languages of the Northeast of India Workshop at the International Christian University, Tokyo, Japan, December 11, 2017.

Bhattacharya, T. (2017). “Comparing “Double” Definiteness in DPs in Meiteilon and Halsa”, Presentation at Acquisition-Variation-Attrition (AcqVA) Lunch Seminar, NTNU, Trondheim, Norway, September 11, 2017.

Bhattacharya, T. (2017). “On some methods in Formal Linguistics”, 2 invited lectures delivered at the Dept. of Linguistics, Manipur University, Imphal, June 12-13, 2017.

Bhattacharya, T. (2017). “Peopling of the Northeast of India: Stories of Migration and Contact”, invited talk at Centre for the Environment and Institutional Biotech Hub, IIT, Guwhati, Assam, July 4, 2017.

Bhattacharya, T. (2017). “Pronominalisation in South Asian Languages: of People and their Actions”, Keynote address at the 38th Annual Conference of Linguistic Society of Nepal, Tribhuvan University, Kathmandu, Nepal, November 26, 2017.

Bhattacharya, T. (2017). “Psych Predicates in Santali: The Mystery of the “wrong” clitic”, paper presented at the 38th Annual Conference of Linguistic Society of Nepal, Tribhuvan University, Kathmandu, Nepal, November 27, 2017.

Bhattacharya, T. (2017). “The Consequence of Code-Mixing the Adjective in NPs in Meiteilon English”, Talk delivered in HLS 23 at Tezpur University, Assam, July 5, 2017.

Bhattacharya, T. (2017). "Meiteilon DPs and Comparative Syntax" SALA 33, Adam Mickiewicz University in Poznań, Poland, May 15-17, 2017.

Bhattacharya, T. (2017). "Syntactic Consequences of Mixing the Adjective in Meiteilon DPs" *Indo-Norwegian Syntax Workshop 2*, NTNU, Trondheim, Norway, September 11, 2017.

Bhattacharya, T. (2017). "Agree Cycles and Munda Clitics", Guest Lecture, NTNU, Trondheim, Norway.

Bhattacharya, T. (2018). "A short introduction on the role of variation in Grammar", Introduction to the Workshop on Grammatical Variation and Analysis at CEL, Sikkim University, Gangtok, March 5, 2018.

Bhattacharya, T. (2018). "Hindi Participial Agreement", paper presented at the 13th ICOSAL, CIIL, Mysore, January 8, 2018.

Bhattacharya, T. (2018). "Looks can be deceptive: Doubling and repetition in Meiteilon" paper presented at Pattern of Repetition in Language use workshop, University of Leipzig, Leipzig, Germany, January 16, 2018.

Bhattacharya, T. (2018). "The 'Eastern' Origin of Diversity in India: Linguistic, Genetic, and Archaeological Evidence", invited talk at Biodiverse, 2018, IIT Guwahati, Assam, January 27, 2018.

Bhattacharya, T. (2018). "The syntax of argument indexation in the languages of India: A case of Macro- or Microvariation?" Invited paper presented on the Workshop on Grammatical Variation and Analysis at CEL, Sikkim University, Gangtok, March 6, 2018.

Coelho, G. (2017). "Betta Kurumba nominalizers", 45<sup>th</sup> All India Conference of Dravidian Linguists, University of Delhi, Delhi, 23-25 June.

Coelho, G. (2018). "Issues in orthography design in a multilingual environment", National Seminar on Multilingualism in India: Issues and Challenges, Department of Linguistics, University of Mumbai, Mumbai, 6-7 March.

Coelho, G. (2018). "Betta Kurumba religious rituals and language maintenance", 6<sup>th</sup> International Conference on Endangered and Lesser Known Languages (ELKL6), Central Institute of Indian Languages, Mysore, 21-23 February.

Satyanath, S. (2018). Coexisting in a multilingual urban landscape: A case study of Delhi. AAS-2018, Panel on Language choice and identity in South and Southeast Asia. Washington D.C. (March 22-25, 2018).

Satyanath, S. (2018). Dialect contact and multiple grammars. NWAVAP 5, The University of Queensland, Brisbane, Australia (February 1-3, 2018).

Satyanath, S. (2018). Indian perspectives on bilingualism. Linguistics Department, Cornell University (jointly hosted by Inequality cell, Cornell University, Ithaca and South Asia Studies, Syracuse University), March 28, 2018.

#### **Other Inter-Institutional Collaboration**

Hankuk University of Foreign Studies, South Korea.

Busan University of Foreign Studies, Busan, South Korea.

University of Hamburg, Germany.

Kanda University of International studies, Japan

#### **Number of M.Phil./Ph.D. Degrees Awarded (Period 01.04.2017 to 31.03.2018)**

Ph.D.: 03

M.Phil.: 09

#### **Faculty Strength**

Professor: 01 + 01 (vacant)

Associate Professor: 03 + 04 (vacant)

Assistant Professor: 01 + 04 (vacant)

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## MODERN INDIAN LANGUAGES AND LITERARY STUDIES

### Major Activities and Achievements

The department conducted several special lectures and workshops during 2017. Some the significant lectures are: 1. *Roots and Seeds of Eco-Feminist Musings in Sangam Literature* delivered by Dr. Vanathu Antoni, (Former ICSSR Fellow), New Delhi was conducted on 24 October, 2017; 2. *Czechoslovakia and Rabindranath* delivered by Dr. Martin Hribek, Charles University, Czech Republic, conducted on 22 November, 2017; 3. *Czech Orientation and India: Translation, Images and Entanglements* delivered by Dr. Martin Hribek, Charles University, Czech Republic, was conducted on 22 November, 2017. In addition a special lecture entitled *Comparative Literature Today* delivered by Prof. Jayanti Chattopadhyay, Former Head of the Department, University of Delhi was conducted on 08 March, 2018.

Further, the department reintroduced the Weekly Seminar Programme in this academic year (on Wednesdays faculty members present papers on the topic of their interest area) and the Department Research Forum (exclusively for Ph.D. and M.Phil. Research Fellows to present papers on their areas of research once a month).

### Publications (02)

Narayanappa, V. (2017). *Vishwavidyaalaya Prasaaraangam* [Kannada Translation of K.V. Puttappa, Mysore, 1959] Delhi: Sri Vinayaka Pracuranalu.

Rajagopal, G. (2017). Demonstration and deviation: Outlines of Akattinai in Thirukkural. In G. John Samuel, G. (Ed.), *the Souvenir of International Conference on Thirukkural*, Nagarkovil, (pp. 74-88). Tamil Nadu: Institute of Asian Studies.

### Seminars Organised (01)

One Day National Seminar *Sindhi and Other Indian Languages: Literary Interactions*, sponsored by the NCPSSL, MHRD, New Delhi, January, 13, 2018.

### Seminar/Conference Presentations (05)

Pattanaik, P.C. (2018). Delivered the lecture, *Mahabharata Tradition: Transmission in the Indigenous World, Plenary Lecture*, International Seminar, *Sarala Mahabharata*, Ravenshaw University, Odisha, March, 9-10, 2018.

Pattanaik, P.C. (2018). Delivered a Special Lecture, *Linguistic Diversity and Multilingualism in India: A Need for Mother Tongue Education*, Dept. of MIL & LS, University Delhi, *International Mother Language Day*, organised by the NCPSSL, MHRD, New Delhi, 21 February, 2018.

Rajagopal, G. (2017). *Demonstration and Deviation: Outlines of Akattinai in Thirukkural*, in “The International Conference on Thirukkural”, jointly organised by the Institute of Asian Studies, Chennai and the International Association of Tamil Diaspora (INTAD), Mauritius, Nagarkovil, Tamil Nadu, 17-19 May, 2017.

Rajagopal, G. (2018). *Rise of Bhakti Movements in Dravidian Land: Faiths and Philosophies*, in a Two Day National Seminar, “The Context of Chaitanya-Vaishnavism: Bhakti in Bharata”, organised by the Department of Comparative Indian Language and Literature, University of Calcutta, Kolkata, February, 15-16, 2018.

Rajagopal, G. (2018). *Social Equality in the Buddhist Tamil Epic Manimekalai*, in “Lord Buddha and His Message of Equality in Indian Literature”, organised by the Gandhi Bhawan, University of Delhi, Delhi, April, 30, 2018.

### Ph.D./ M.Phil. Awarded

Ph.D.- 7

M.Phil. – 10

### Faculty Strength

Permanent- 11

Ad-hoc - 4

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## PERSIAN

### Major Activities and Achievements

Department offers Certificate Course, Diploma Course, Advance Diploma Course, M.A., One Year Post M.A. Diploma in Translation & Interpretation, M. Phil and Ph.D. program in Persian. The Department is supported by UGC-DSA SAP-II grant. Few faculty members are associated with professional societies and grant agencies. One of the faculty members has been on Advisory committee of Special Assistance Programme of UGC of different universities; and expert on several committees of UGC, and ICCR. Apart from regular teaching and research, the Department organizes weekly seminars, yearly workshop and seminars. During 2017-18, the department organised International conference/Seminar.

### Publications (08)

Jahan, M. (2017). *Kitab e Farsi* [for Ad-Diploma], New Delhi: M. R. Publications.

Jahan, M. (2017). *Panch Tantra: Ek Jaiza, Aiwan E Urdu*. Delhi: Urdu Academy.

Jahan, M. (2017). *Umar Khayyam Ki Rubayun Ke Mukhtalif Rang Paishraft*, New Delhi.

Jahan, M. (2018). Ghalib ki ek Urdu Ghazal Farsi Adab ke Tanazur me. *Qaumi Tanzeem*. [Daily News Paper, Patna, Bihar].

Khan, A. A. (2017) *Amir Hasan NooraniaurMunshiNawal Kishore*, 25-36, Naval Kishor Shinasi, edited by Prof. Syed Shafiq Ahmed Ashrafi, Khwaja Moinuddin Chishti Urdu Farsi Arabic University, Lucknow.

Khan, A. A. (2017) *Moarraf-e-Aasar-e-manzoomMirza Abdul Qadir Bedildar Kitabkhanah-e-Salar Jung Hyderabad*. Tehran, Iran: Urse Bedil Dehlavi. 256p.

Khan, A. A. (2017) *Shahjahani Dastar khanke Zaiqe*. Kakori, Lucknow: Dabeer. 9-15.

Shekhar, C. (2017) *Waqai' Asad Beg Qazvini*, Annotated edited text and Introduction. New Delhi: Kitab Ghar.

### Research projects (01)

University Grants Commission DRS SAP-II (*Indo-Persian Literature*), 2014-2019 (5 years). Rs. 44,00,000/-

### Conferences Organised (01)

Hazrat Amir Khusrau Dehlavi Lecture Series held on “*Nikat-e-Bedilke do Urdu Rarjuman Ka Taqabuli Mutalea*” supported by NCPUL. 23<sup>rd</sup> May, 2017.

### Conference/Seminar Presentations (12)

Jahan, M (2017). *hind as deedgah e farasat nameh*, 2 day national seminar on the “contribution of women in the promotion of persian language, literature, science arts & culture in the Indian subcontinent” organised by dept. of Persian at Maulana Azad national Urdu university, Gachibowli, Hyderabad. 6-7 November, 2017.

Jahan, M (2017). *muraqqa e dehli safarnameh gardah quli khan ki roshni me*, 2day international seminar on Persian literature during the later Mughal (1707-1857) organised by Persian foundation of India & Ghalib Institute New Delhi. 19-20 SEPT.2017

Jahan, M (2018). *Amir Khusraw: turknazad muhibb e hind*, 2day national seminar on ‘the contribution of Madarsas in promotion of Persian language & literature’ organised by dept. of Persian at Maulana Azad national Urdu university, Gachibowli, Hyderabad. 14-15 March, 2018.

Jahan, M (2018). *Bhopal ki char ba kamal begamat*, 2 day national seminar on Amir Khusraw and his contribution to Persian & Indian culture ,organised by Dept.of Persian ,university of Mumbai. 27-28 February, 2018.

Khan, A. A. (2017). *Bu Ali Sina's Manuscripts in Indian collections*, Paper Presented in International Seminar organised by I.H.F. New Delhi on “TibbiMakhtutaatMasayilwaWasayil” 4-5 March 2017.

Khan, A. A. (2017). *Kulliyat-e-Saadikedusremusehe (Editor) BahauddinKhurramShahi*, Paper Presented in International Seminar organised by M.A.A.P.R.I. Tonk, Rajasthan 7<sup>th</sup> -9<sup>th</sup> March 2017

Khan, A. A. (2017). *Mirza Abdul QadirBedilDehlavi*. International Seminar organised by Institute of Persian Research, A.M.U., Aligarh on “BedilDehlavi” 1-3<sup>rd</sup> March 2017

Khan, A. A. (2017). Presented a special lecture in The Dept. of Arabic and Persian, University of Allahabad, on “*Sufistic Culture in India*” on 09<sup>th</sup> May, 2017.

Khan, A. A. (2017). *Prof. Nazir Ahmad kaMaarif me shayaekTehqiqiMaqala*: Ahmed Zandechi, Paper presented in the International Seminar “MaarifSadi” MaarifAzamgarh, U.P. March 2017.

Khan, A. A. (2017). *UstadAzhar Ali wa Safar Nama-e-Anand Ram Mukhlis*, Paper Presented in International Seminar organised by Bedil International Foundation “Bedil International seminar” 28 -31<sup>st</sup> March 2017

Shekhar, C. (2017). *Drafting of official letters/missives/edicts/commands in Medieval and early Modern India*, Special lecture delivered in the Institute of Oriental &IslamicStudies, Bonn University, Bonn, 17<sup>th</sup> June, 2017.

Shekhar, C. (2017). *Nusrutullah Khan’s Treatise on Swords in Arms and Armors: The Rathores & Their Armoury At Jodhpur Fort*, English translation of of Persian work, entitled “*Taiid-e-Bisarar*”, Appendix I, Ed. Robert Elgood, Niyogi Publications, New Delhi, 2017 (Vol.II), Pp. 892-907.

### Inter-Institutional Collaboration

*Prof. Chander Shekhar, University of Boon, Germany*

### Number of Faculty

Permanent Faculty:	05
Ad-hoc faculty:	02
Guest faculty:	03
Research Associate:	01 + 01 (vacant)

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## PHILOSOPHY

### Major Activities and Achievements

The Department of Philosophy has always aimed to create a platform for international and national scholars to present their views and research. This year was no different: many scholars of stature were invited and this led to some very fruitful and interactive discussions, exposure to which was valuable to both faculty and students. The Department successfully offered four interdisciplinary courses for students of other disciplines. The different committees that were constituted did their work diligently and addressed many academic and administrative matters effectively. Faculty members robustly participated in seminars and conferences and some were invited to present keynote, invited special and public lectures.

### Honours/Distinctions

Prof. Balaganapathi Devarakonda

- Sectional President of Philosophy of Religion in 92<sup>nd</sup> session of Indian Philosophical Congress held at Holistic Science and Research Centre, Surat on 5<sup>th</sup> to 7<sup>th</sup> of January 2017.
- Chief Advisor, Centre for Ethics and Values, Ramanujan College, Delhi from 2017 to 2020.
- General Secretary, *Asian Philosophy Conference* organised at Sanchi University of Indic Studies on 11-14 of February 2017 & at Holistic Science and Research Centre, Surat on 3-4<sup>th</sup> of January 2017.

### Publications (13)

Devarakonda, B. (2018). Impact of Disruptive Technology on Higher Education. *University News*, 56(12), 19-25.

Gautam, A. (2017). Self-governance and responsibility in global times. *International Journal of Research in Management and Social Sciences*, 5(3), 30-35.

Gupta, A. K. (2018). Ranade and Bhagvadgita: An examination of his theory of Beatificism. *International Journal of Research in Management and Social Sciences*.

Gupta A. K. (2018). Revisiting secularism, nationalism and intolerance: Interpreting through Advaita and Dharma. In Singh, S. (Ed) *Politics for new India: A Nationalistic Perspective*. : Delhi: Rupa Publication.

Gupta A. K. and Saraf, K. (2018). Hedonism and Indian Philosophy of Peace. *Idea*

- Gupta A.K., and Tiwari, D., (2017) *Language and Religions*. Delhi: Bharteey Gyanpeeth.
- Jaiswal, R. (Nov. 2017). Freedom of expression: A study of media. In Basak, M. K. & Ray, M.S. (Ed), *An anthology of ethics*. Kolkata: Ekush Shatak.
- Jaiswal, R. and Rai, P. (2017). Is ethics possible in journalism? *Journal of arts, culture, philosophy, religion, language and literature*. 1(3).
- Kumar, K. P. (2018). *BAB104 State, Democracy and Nation Building*, IGNOU Certificate programme on life and thought of Dr. B. R. Ambedkar, pp. 70-81
- Kumar, K. P. (2018). *The Gentle Warrior: In Memory of Bojja Tarakam*. Hyderabad: Hyderabad Book Trust.
- Mitra, E. (2017). Space and Consciousness: Reconstructing Dualism and Behaviourism. In Maity, S. (Eds) *Self, Consciousness and Body*, (pp. 26-51) Kolkata: Nectar.
- Mitra, E. (2017). *Later Wittgenstein on Language and Mathematics: A Non-Foundational Narration*. Indian Institute of Advanced Study, Rashtrapati Nivas.
- Mitra, E. (2018). 'Nari' O 'Bad': Kichu Chena-Ochena Prostab'. *Alochona Chakra*, 32(1), 120-339.

## **Journals**

### **Number of Department Teachers serving as editors / members of editorial boards-01**

#### **Prof. Balaganapathi D.**

- Editor-in-Chief, *International Journal of Applied Ethics* an annual peer reviewed multidisciplinary journal published by Ramanujan College, Delhi, India since 2017 onwards.
- Member of Editorial Board, *Journal of Indian council of Philosophical Research*, Springer from 2017 onwards.
- Guest Editor, Special Issue on *Intersections of Poetry and Philosophy* of Interdisciplinary Journal of Literature and Language (IJLL) a refereed, bi-annual print journal devoted to World literature and Culture in English published by Authorspress, New Delhi, India Vol. 4. Number 1. July-December 2017.

#### **Research Projects (03)**

University Grants Commission, New Delhi, A Study of Doctrinal differences of the Early Buddhist Sects of Andhra a Major Research Project. 2015-2018, Prof. Balaganapathi D, Rs. 13.5 lacs.

ICSSR, New Delhi, Culture through the Labyrinth of Globalization: A Study of Popular Imaginations and Alternative narratives of Digital and non-Digital Telugu literature as a part of the Major Funding Project titled Interface of Culture and Politics in India: An exploration into the alternative narratives, 2017-2019, Prof. Balaganapathi D, Rs. 45 lacs.

I.C.P.R. Project 'Advaita, Dharma and National Political Discourse', May 2017 onwards, Dr. Aditya Kumar Gupta, Rs.2.5Lacs,

#### **Seminar/Talks Organised**

ICPR Lecture of Prof. Ravi Gomati, Director, Institute of Semantic Information Sciences and Technology, Mumbai on "Western Empiricism and Vedic Empiricism" on 11<sup>th</sup> May 2017. Organised by Prof. Balaganapathi D.

ICPR lecture of Prof. Lui Zhen, National Institute for Advanced Humanistic Studies, Director, Gandhi Centre on "The *Maitreyavyakarana* (in *Śataka* form) as Evidence for Cultural Exchange between China and India" on 7<sup>th</sup> November 2017. Organised by Prof. Balaganapathi D.

ICPR lecture of Prof. Hiroshi Marui, Professor, Department of Indian Philosophy and Buddhist Studies, Graduate School of Humanities and Sociology The University of Tokyo on "Did Bhaṭṭa Jayanta know the Six Systems of Indian Philosophy?" 28<sup>th</sup> November 2017 Organised by Prof. Balaganapathi D.

#### **Seminar/Conference Presentations**

Balaganapathi D. (2017) *Culture through the Labyrinth of Globalisation: A Study of Popular Imaginations and Alternative narratives of Digital and non-Digital Telugu literature* in a workshop on Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Alternative Sites of Knowledge Construction organised by Department of Political Science, University of Delhi supported by ICSSR, New Delhi during 12-14 July, 2017.



Balaganapathi D. (2017) *Dynamics of Hinduism in Thailand* in an International Conference Commemorating 70 years of Independence: Indian in Asia organised by Seoul National University on 8<sup>th</sup> & 9<sup>th</sup> of December, 2017.

Balaganapathi D. (2017) *Religious Violence and Globalisation* in an India and Iran interface: A Civilizational Dialogue organised by ICPR, New Delhi during 25 & 26 October 2017.

Balaganapathi D. (2017) *Teaching Indian Philosophy in India: Limitations and Alternatives* in a ICPR Workshop on “Teaching Philosophy in the Indian Universities and Colleges” from 13 July to 17<sup>th</sup> July 2017 at ICPR, Academic Centre, Lucknow.

Balaganapathi D. (2017) *The Role of Guru as an Interpreter of Dharma* in Global Spiritual Conclave on the theme “Dharma- Ideal and Praxis in the emerging Global Scenario” on 24<sup>th</sup> to 27<sup>th</sup> August, 2017 in Santhigiri Ashram, Thiruvananthapuram, Kerala.

Balaganapathi D. (2018) *Concept of Peace: A Perspective from Samkhya* in 3<sup>rd</sup> Annual International conference on Peace and Reconciliation: Perspectives from Religion and Philosophy organised by Vishnumohan Foundation, Chennai during January 27-29, 2018.

Balaganapathi D. (2018) *Identity and Continuity* in an ICPR seminar on “Indian Identity and Cultural Continuity” held at Holistic Science Research Centre, Surat during 5<sup>th</sup> January 2018.

Balaganapathi D. (2018) *Immersive Cosmopolitanism of K C Bhattacharya* joint paper with Ms Charu Tapilyal in a National Seminar on Beyond Identity: Reflections from South Asian Imaginaries of Nation and Universe organised by Department of Political Science, University of Delhi, Delhi during 13<sup>th</sup> & 14<sup>th</sup> March 2018.

Balaganapathi D. (2018) *Religious Violence and Divergent Identities* in the 92<sup>nd</sup> session of Indian Philosophy Congress held at Holistic Science Research Centre, Surat during 5<sup>th</sup> – 7<sup>th</sup> January 2018.

Balaganapathi D. (2018) *Universal Ethics in the Modern Education System: Technology, Rationality and Emotion* in the 2<sup>nd</sup> Conclave on Universal Ethics: Perspective of Emotional Intelligence in Education Organised by Tibet House and Ramanujan College on 14<sup>th</sup>-15<sup>th</sup> April 2018.

Balaganapathi D. (2018) *Historiography of Modern Indian Philosophy* in a National Seminar on Indian Perspectives on Philosophy of History organised by Banasthali Vidyapeeth, Rajasthan during 22<sup>nd</sup> and 23<sup>rd</sup> March 2018.

Gautam, A. (2018). *An enquiry into the contextualist approach to virtue epistemology*” in a two-day national seminar on Contextualism in Contemporary Epistemology organised by ICPR Academic Centre Lucknow on 27<sup>th</sup> March 2018

Gupta, A. K. (2017) *Revisiting Political Culture of India: An Approach of Dharma*, At Global Spiritual Conclave, Shantigiri, Trivendrum, Kerala, Aug. 2017

Gupta, A.K. (2017) ‘*Philosophy of Indian Constitutional*’, delivered a speech as the chief guest on August 15, 2017, Independence Day, S-VYASA Bengaluru

Gupta, A.K. (2017) ‘*Philosophy in School Syllabi and Indian Context*’, at National Workshop, ICPR, Lucknow, July, 2017

Gupta, A.K. (2017) ‘*The philosophy of Meditation: With special reference to Taittiriya Upanishad and Mandukya Upanishad*’, paper presented at A National Seminar On ‘Holistic Yoga: H3 (Health, Happiness, Harmony)’ at Daulat Ram College, DU, On Nov. 11, 2017

Gupta, A.K. (2017) *Advaitic (Non-Dualistic) Trends in Korea’s Neo-Confucian Tradition: An Examination of Yi Yulgok’s Philosophy*’ at International Seminar on ‘Cultural Encounters and confluences between India and Korea’, New Delhi, June, 2017

Gupta, A.K. (2017) Invited Lecture on ‘Vision 2020: India of Dr. Kalam’s Dream’ at Jubilee Hall, University of Delhi, July 2017

Gupta, A.K. (2018) Invited Lecture on ‘Philosophy of Peace’ at International Conference on peace and reconciliation, Organised by Sri Vishnu Mohan Foundation, Chennai, Jan. 28, 2018

Gupta, A.K. (2018) Invited Lecture on ‘Indian Identity and Cultural Continuity’ at 92<sup>nd</sup> session of IPC, Surat, Gujarat, on Jan. 05, 2018

Gupta, A.K. (2018). Invited Lecture On ‘Modern Presence of A cultural Heritage: A Study of Sankara’s Advaita’ at J.N.U., Delhi on 21<sup>st</sup> April, 2018

- Gupta, A.K. (2018) Invited Lecture on 'Non-dual relation between Hinduism and Buddhism' at Institute of Tibetan studies, Leh Laddakh, May 20, 2018
- Gupta, A.K. (2018) Invited Panel Discussion on 'Integral Humanism of Pt. Deen Dayal Upadhyay' at 92<sup>nd</sup> session of IPC, Surat, Gujarat, on Jan. 03, 2018
- Jaiswal, R. (2018) *The concept of power: Tagore and Foucault*, In *Asian Philosophy Conference*. (3rd - 4th Jan. 2018)
- Jaiswal, R. (2018) *The problem of religious intolerance and the Gandhian solution*, In the International Seminar on *Sustainable development, Gandhian legacy and 21<sup>st</sup> Century challenges*. Sponsored by ICSSR. (09-10 March 2018).
- Jaiswal, R. (2018) *Individualism vs collectivism: A debate between liberalism and communitarianism*, In *Indian Philosophical Congress*. (5th - 7th Jan. 2018).
- Kalotra, G. (2017). "*Thinking Indian Philosophy as a Social Worker: An Investigation into Vinoba's Self*", organised by CPDHE (UGC-HRDC) University of Delhi, Delhi from 28th November 2017 to 19th December 2017.
- Kumar, P. K. (2017). *Caste, Religion and Nation: Ambedkar's Ethico-Rationalistic Critique of Hindu Religious Nationalism* in Reclaiming Social Justice, Revisiting Ambedkar International Conference On the occasion of 126th Birth Anniversary of Dr. B. R. Ambedkar Organised by Government of Karnataka, India 21 – 23 July, 2017
- Kumar, P. K. (2017). *The idea of a University: Debating autonomy and culture of dissent* in the two day National Seminar on "Dr. B. R. Ambedkar's Vision and Works on Education – Relevance to Our times" organised by Telangana State Council of Higher Education (TSCHE), Hyderabad on 14-15 July 2017
- Kumar, P. K. (2017). *Satyagraha as Pragmatic Political Strategy: Reflections on Contemporary Social Movements*, One Day National Seminar On Debating Satyagraha: Hundred Years of Champaran Satyagraha Organised by Centre for Studies and Research in Gandhian Thought and Peace, Central University of Gujarat on April 20, 2017
- Kumar, P. K. (2018). *Socio-Political context & Ambedkar's Method and Interrogation of Indian Philosophy* in National workshop on Philosophical thought of Dr. B. R. Ambedkar Organised by Department of Philosophy, Zakir Husain College (Evening), University of Delhi, Delhi on 22-23 March, 2018
- Kumar, P. K. (2018) *Ambedkar's conception of Social Justice* in Seminar on B. R. Ambedkar and Social Justice organised by Department of Political Science, Shradhananda College, University of Delhi, Delhi on April 16, 2018.
- Kumar, P. K. (2018) *Nature and Ecological consciousness in Indian Philosophy* in Second International conference on Global climate change and Ecosystem Management, Culture, Tradition and Nature, organised by Academy of Value based Management of ISOL Foundation in collaboration with University of Toronto on March 10, 2018
- Kumar, P.K. (2017). Lecture on issues in Theorizing Dalit movement at Centre for the study of discrimination and exclusion, JNU, Delhi on 11<sup>th</sup> April 2017
- Kumar, P.K. (2018) Special lecture on *Politics of Performance and the Phenomenon of Gaddar*, organised by School of Arts and Aesthetics, JNU, Delhi, on April 20, 2018.
- Mitra, E.R. (2017). Delivered a lecture as an invited speaker on '*Ethical Language: With Special Reference to Wittgenstein*' in Dept of Philosophy, University of Kerala, Thiruvananthapuram on 13.12.17
- Mitra, E.R. (2017). Delivered a lecture as an invited speaker on '*Philosophy of Action: A Wittgenstein/Davidson Controversy*' in Dept of Philosophy, University of Kerala, Thiruvananthapuram on 12.12.17
- Motilal, S. (2017). Lecture on "*Human Rights and Human Dignity*", in the Department of Philosophy, Lady Shri Ram College, Delhi University, 9th November, 2017
- Motilal, S. (2017). Participant in Workshop on "Perception and Probability" organised by department of Philosophy, University of California, Berkeley, CA, USA on 11<sup>th</sup> March, 2017
- Motilal, S. (2017). "*The Nature of Moral Agency: Some Reflections*" Invited Speaker for National Conference on "Agency and Values: Challenges for the 21<sup>st</sup> Century" organised by Department of Philosophy, Presidency University to mark the Bicentennial celebration of the University (April, 24 -25<sup>th</sup>, 2017)

Motilal, S. (2017). “*Human Moral Obligations: Bridging Religious and Cultural Differences*” in International Workshop on “Emphasis on Ethics: Bridging Traditions & Disciplines” organised by the Department of Philosophy, University of North Carolina, Asheville, NC, USA., on March 3<sup>rd</sup>, 2017

Motilal, S. (2017). “*Nature of Social Justice: Some Inputs from the Ancient Indian Context*” in the National Seminar on Social Philosophy in Indian Contexts: Past and Future organised by Department of Philosophy, Savitri Bai Phule Pune University on 24<sup>th</sup> and 25<sup>th</sup> February, 2017.

Sahni, P. (2018). Invited Lecture on 13 March, 2018 at Janki Devi Memorial College entitled “*Environment, Morality and Values*”

Sahni, P. (2017). Invited Lecture on 2 November 2017 at Lady Shri Ram College entitled “*Environmental Ethics and Ecology*”

### **Extension and Outreach Activities**

Dr. Reetu Jaiswal organised a ICPR sponsored Special Lecture Prog. on “Two Steps Back, One Step Forward? Equality and Women in the last 100 Years” on 16th March, 2018 in Department of Philosophy, University of Delhi.

Organised an Event on “Gender Equality” in Department of Philosophy, University of Delhi on 6th Nov. 2017.

### **Number of M.Phil/Ph.D. Degrees Awarded**

Ph.D.:5

M.Phil. :10

### **Faculty Strength**

Professors :05 + 03 (vacant)

Associate Professors: 02 + 13 (vacant)

Assistant Professors: 10 + 01 (vacant)

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## **PSYCHOLOGY**

### **Major Activities and Achievements**

The Department of Psychology offers M.A. in Psychology, M.A. in Applied Psychology and Ph.D. in Psychology. The Department has two units – Psychology Unit in North Campus and Applied Psychology Unit in South Campus. The total number of students from both the North and South Campus in M.A. Programme are 151, and in Ph. D. Programme are 13. A total of 5 students have been awarded with a Ph. D. degree this year. The Department also offers papers of Interdisciplinary nature for the students of other departments such as Department of Buddhist Studies, Philosophy, Sociology, English, Sanskrit, Arabic and Linguistics, from the Faculty of Arts, University of Delhi. The research activities of the department focus around areas of Community Development, Ageing, Multivariate Techniques, Counseling Services and Skills, Advances in Neuroimaging Research, Buddhism and Psychology, Understanding Self from Indian Psychological Perspective, Art Therapy and Music Therapy. The Department is supported by grants from UGC-SAP/CAS, ICSSR, DST-FIST, DRDO, AICTE, LSRB, R & D, DU. The department received the DSA I under U.G.C in the year 2015 and activities under it are in progress.

### **Publications (19)**

Alexander, A. J., Arnett, J. J. & Jena, S. P. K. (2017). Experiences of Burmese Chin refugee women: Trauma and survival from pre- to post flight. *International Perspectives in Psychology: Research, Practice, Consultation*, 6(2), 101-114.

Bharadwaj, S. & Gupta, V. (2017). Inter-relationship among job satisfaction, personal effectiveness and locus of control. *Indian Journal of Health and Well-being*, 6(2), 1380-1385.

Feldman, R & Babu, N. (2017). *Development across Lifespan*. New Delhi: Pearson.

Kaushal aur Kushalata ki Avadharana. (2017). *Srijan Chintan*, 10(21), 29-34.

Kumar, A. (2017). *Advanced Social Psychology*, India: The Readers Paradise.

- Kumar, A. (2018). *Recruitment Selection Training*, India: The Readers Paradise.
- Kumar, P. & Gupta, V. (2017). Workplace Stress Well Being and Quality of Work Life A study on BPO employees. *Journal of Entrepreneurship and Management*, 6(2), 20-28.
- Kumar, S., Lochan, A. (2017). Peace and Peace Pedagogy: Contextualizing Peace Education Curriculum through Gandhian Perspective. *IJEM*, 7(2), 197-201.
- Lochan, A. (2017). Locating gender through norms, theories and social representations. *Voice of Intellectual Man-An International Journal*, 7(1), 89-116.
- Lochan, A. (2017). *Self-ad aesthetics in creative journey: A Psychological inquiry*. New Delhi: Pragun Publication.
- Lochan, A. and Radhakrishnan, S. (2017). What is that song about? A psychological study of contemporary Hindi music. *Indian Journal of Positive Psychology*, 8(2), 214-220.
- Mahakud, G. and Kumar, A. (2017). Well-being of government and private teachers: A comparative Study. *Indian Journal of Psychological Science*, 8(1).
- Mahakud, G., Kumar, A. and Nayak, T. (2017). Personality type, spirituality and its relationship with job satisfaction among male and female government sector employees. *Journal of IMS Group*, 14(2), 18-28.
- Prakash, N. (2018). Big Data: The deciding element in Mobile Advertising Efficacy. *The European Business Review*, July-August 2018.
- Radhakrishnan, S., Lochan, A. (2017). Cultural intelligence: concepts and organizational implications. *International Journal of Education and Management*, 7(2), 191-196.
- Seth, S. and Kumar, A. (2018). Gender and leadership: A review. *International Journal of Social Sciences*, 6(4), 716-720.
- Thangbiakching, and Soreng, E. (2017). Grace of God: A Phenomenological Inquiry. *The International Journal of Indian Psychology*. 4(4), 142-153.
- Varma S. (2017). Non-violent ways of relating: Love, healing, and beyond. In W. Shukla [Ed.], *Annals of Hindi Studies*. New Delhi: JBS Publications India.
- Yadav, I., & Kumar, A. (2018). Balancing work and parenting demands through spiritual practices. *The Research Journal of Social Sciences*, 9(5), 73-80. Doi: 10.105373/00251348.

### **Research Projects (03)**

University Grants Commission DRS I (SAP) from 2014-2019 (5 years), Rs 44 lakhs

Rajiv Gandhi National Institute of Youth Development (RGNIYD, Ministry of Youth Affairs and Sports, Government of India) “*Community based intervention for Positive Youth Development*”, Prof. Nandita Babu, Rs. 4.8 lac, 2016-2018.

Rajiv Gandhi National Institute of Youth Development (RGNIYD, Ministry of Youth Affairs and Sports, Government of India) Developing Resilience and Entrepreneurship Skills in Underprivileged Youth Below Poverty Line (PPL): A Randomized Controlled Trial, S.P.K.Jena Rs.4.6 lac, 2016-17.

### **Conference Organised (01)**

Dr. Suneet Varma, Organizer, International conference on “The Indian Culture and Psychology: A Consciousness Perspective” 22-27 March 2018.

### **Placement Details**

The Department has its own Placement Cell. It has been created for placements of students pursuing both M.A. Psychology and M.A. Applied Psychology, from the University of Delhi. The Placement Cell provides a platform for the students to meet and interact with counselling, clinical, corporate organizations, and business houses. Besides this, information of the activities by Central Placement Cell of University of Delhi is also widely circulated in the departments for creating maximum employment opportunities for the students.

### **Extension and Outreach Activities**

Extension and Outreach activities are carried out as an intrinsic part of the practicum where students conduct survey, psychological assessment and intervention in the community. The department has a counseling center where the counseling services are provided to people across different age groups with

varied cognitive and psychological-social issues. The developmental resource center of the department provides services such as parenting training, training for cognitive enhancement, play therapy, etc.

**Number of Ph. D Degree Awarded: 05**

**Number of Faculty (North and South Campus):**

Permanent – 10

Ad-hoc – 04

**Other Significant Information**

The Department has its own Library cum Reading Hall and Psychological Testing rooms. Books, Test Materials, Technological equipments, and Teaching-learning aids, are regularly purchased from time to time to upgrade the Laboratories and Classrooms into Hi-tech Smart Classrooms. The department has a Neuro-Cognitive Lab equipped with Biofeedback and other computer softwares.

The Department organizes special lectures and workshops for students on a regular basis.

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**PUNJABI**

**Major Activities and Achievements**

The Department of Punjabi is conducting courses for the students of M.A., M.Phil., Ph.D., Certificate and Diploma programmes. The department has organised successful literary events ---- national seminars, memorial lectures, meet the author and special lectures etc. during the academic session 2017-2018. While staying committed to research-oriented studies, our faculty members actively participated in seminars/conferences/lectures/refresher courses organised by other academic & literary institutions.

With a remarkable legacy of being the nerve centre for Delhi School of Punjabi Criticism, the department has kept up with the changing times by hosting national seminars/symposium, special lectures annually. The platform provided by the department for live wire interactions among thinkers, writers and teachers on one hand, and between the intellectuals and students on the other, has ensured that the department remains at the centre of Punjabi literature and culture's dynamic transformation through the decades.

**Publications (10)**

Kaur, J. (2017). *Guru Granth Sahib da Samajak Pravachan, Naitikta : Sahitak Parvachan*, Dr. Jaspal Kaur, Prof Manjit Singh & Dr. Harbans Singh Lit, 58-62.

Kaur, J. (2017). *Zafarnama : Naitikta Kaav-Pravachan, Naitikta : Sahitak Parvachan*, Dr. Jaspal Kaur, Prof Manjit Singh & Dr. Harbans Singh Lit, 46-49.

Singh, N. (2018) Sukhjinder Kaur, Gurjit Kaur, and Baljinder Kaur (Ed.). *Punjabi Bhasha, Sahit ate Sabhiyachar mool Sarokar Punjabi Geetan di Bhasha: nav Peripekh*, Sangam Publication, Samana, Patiala, 123-130.

Singh, R. (2017). *Delhi Vich Punjabi Nat-Manch te Charan Dass Sidhu* in Samkali Sahit

Singh, R. (2017). *Swachhata di Kahani: dai Di Zubani* [Translated] in 4 volumes] published by Publication Division, Govt. of India.

Singh, Y. (2017). *Bawa Balwant di Kaav Sirjan Parkirya* (pp. 68-74), *Sanvad*, Vol. 06.

Singh, Y. (2017). *Punjab de Lok Archive di Itahaskari* (pp. 141-143), *Sanvad*, Vol. 06.

Singh, Y. (2017). *Punjabi Bande di Hijrat da Sarapia Qissa* (pp. 160-165), *Wahga*, Vol. 5.

Singh, Y. (2018). *Aijaz Ahmad: Lo hi Lo si* (pp. 138-145), *Kaav Shastar*, Vol. 11.

Singh, Y. (2018). *Bhotwara: Katha Chintan di Lali* (pp. 109-120), *Kaav Shastar*, Vol. 10.

**Research Projects (01)**

Sahitya Akademi, New Delhi, "*Translation Project on Sahitya Akademi Awarded winner - Short Stories Book 'Gaalivana'*", 2017, Prof. Jaspal Kaur.

#### **Seminar Organised (04)**

A two-day National seminar on the topic “Kartar Singh Duggal Centenary Seminar in collaboration with Sahitya Akademi, on 13<sup>th</sup> -14<sup>th</sup> November, 2017.

Prof. Harbhajan Singh Memorial Lecture on ‘Dalit Sahit : Sidhant Te Itihaas’ delivered by eminent Historian Prof. Raj Kumar Hanson 30<sup>th</sup> January, 2018 in the Departmental Seminar Hall, Department of Punjabi.

Prof. S.S. Noor Memorial Lecture on “Heritage of Delhi” delivered by Jb. Anees Azmion 12<sup>th</sup> February, 2018 in the Departmental Seminar Hall of Punjabi Department.

Parvasi Kavian naal Ru-b-Ru te Kavita Path programme on 28<sup>th</sup> March, 2018 in the Departmental Seminar Hall of Punjabi Department.

#### **Conference Organised**

Dr. Jaspal Kaur (H.o.D.) organizer, International Punjabi Conference Delhi-2018 organised by S.G.T.B. Khalsa College, University of Delhi, Delhi held on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2018.

Prof. Manjit Singh, organizer, International Punjabi Conference Delhi-2018 organised by S.G.T.B. Khalsa College, University of Delhi, Delhi held on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2018.

Prof. Rawail Singh, organizer and Panelist, World Punjabi Conference, Chandigarh on 10-11 March, 2018.

#### **Seminar / Conference Presentation (29)**

Bala, R., (2017). *Kartar Singh Duggal Di Swai-Jeevni vich Swai Pachhan Di Nirmankari* in National Seminar (13-14 November, 2017) Organised by Department of Punjabi, University of Delhi, Delhi-07.

Gojra, K. (2018). “*Tarlok Singh Kanwar di Meta Alochna*” in a three day International Conference Vishav Punjabi Sahit Conference held at Punjabi University Patiala on 30 April-2 May, 2018.

Gojra, K., (2017). “*Duggal da Kaav Lok*” in a two day National Seminar Kartar Singh Duggal Janam Shatabdi Seminar held at Department of Punjabi on 13-14 November, 2017.

Gojra, K., (2017). “*Sukhwinder Amrit di Ghazal vich Naari Bimb di Nirmankari*” in a two day national Seminar Samkali Kaav di Paradinidh Kaav-Sur: Sukhwinder Amrit by department of Punjabi, Punjabi University Patiala on 21-22 November, 2017.

Kaur, J. (2017). “*Punjabi Sahit di Prasangikta*” in the National Seminar on Ajoke Sandarbh vich Punjabi Sahit di Prasangikta organised by Guru Gobind Singh College of Commerce, Pitampura held on 26<sup>th</sup> October, 2017.

Kaur, J. (2018). “*Guru Nanak Bani da Uttar Adhunik Paripeksh*” in the National Seminar on Life & Legacy : Guru Nanak organised by Delhi Sikh Gurdwara Management Committee, Delhi held on 16<sup>th</sup> -17<sup>th</sup> February, 2018.

Kaur, J. (2018). “*Guru Ravidaas Bani da Kaav Parvachan*” in the “Begam pura Shahar ko noan” organised by Dyal Singh College, Delhi held on 21 February, 2018.

Kaur, J. (2018). “*Parvasi Punjabi Sahit : Ateet te Vartmaan*” in the International Punjabi Conference, Delhi – 2018 organised by Sri Guru Tegh Bahadur Khalsa College, University of Delhi, Delhi held on 2<sup>nd</sup> - 3<sup>rd</sup> February, 2018.

Kaur, J. (2018). “*Vahi Khata : Swai da Birtant*” in the National Seminar on Punjabi Prose organised by Mata Sundari College, Karnal, Haryana held on 14 March, 2018.

Kaur, J., (2017). “*Women Images as Depicted in Diasporic Punjabi Poetry*” in the South Asian Women International Conference organised by DISHA Association of Canadian Punjabi Women, Toronto Canada held on 17<sup>th</sup> -18<sup>th</sup> June 2017.

Kaur, J., (2017). “*Ethics as depicted in Diaspora Short Stories*” in the World Punjabi Conference organised by Punjabi Business Professional Association (PUBPA), Toronto, Canada held on 23<sup>rd</sup> June-25<sup>th</sup> June, 2017.

Kumar, R. (2017). *Changing Patterns of Punjabi Diasporic Literature*, Coordinated Seminar and presented an Introductory Note in a two-day National Seminar, organised by Sahitya Akademi (National Academy of Letters) and Department of Evening Studies, Panjab University, Chandigarh, held at Chandigarh, October 26-27, 2017.

Kumar, R. (2018). *Sri Muktsar Sahib – Farming Crisis : Contemporary Socio-Cultural, Economic &*

*Political Perspectives*, in a one-day National Seminar organised by Guru Gobind Singh Girls College, Giddarbaha (Sri Muktsar Sahib), February 17, 2018.

Kumar, R. (2018). *Vishvikaran De Sandarbh Vich Punjabi Bhasha, Sahit ate Sabhiyachar*, in a one-day National Seminar organised by Master Tara Singh Memorial College for Women, Ludhiana, February 08, 2018.

Singh, M. (2017). "*Gurbani Vich Pesh Nāri Bimb di Sarthakta*" in the Canada : Women International Conference held on 17-18 June, 2017.

Singh, M. (2017). "*Gurbani Vichon Ubharnn Wala Naitikta da Sankalp*" in the Canada : International Punjabi Conference on 23<sup>rd</sup> -25<sup>th</sup> June, 2017.

Singh, M. (2018). "*Gurmat Sahit : Vangara te Pratiuttar*" in the International Punjabi Conference held at SGTB Khalsa College on 2<sup>nd</sup> and 3<sup>rd</sup> February, 2018.

Singh, N. (2017). *Punjabi Bhasha: Code Mixing and Transformation, Relevance of Punjabi Language, Literature & Culture in Contemporary Context*, Gyan – Punjabi Sahit Sabha Shri Guru Gobind Singh College of Commerce, Delhi University. Date: Oct. 26..2017

Singh, N. (2018). *Kartar Singh Duggal da Sahit: Bhasha Shilley, Century Seminar*, Department of Punjabi & Sahitya Akademi, Delhi, Date: Nov. 12-13.2018

Singh, N. (2018). *Punjabi Bhasha te Antar Anushansi Sikhya Sansaar, International Punjabi Conference*, Delhi-2018, Sri Guru Tegh Bahadur Khalsa College, University of Delhi. Date: 02-03-2018.

Singh, R. (2017). "*Changing Patterns of Punjabi Diasporic Literature*" Presidential remarks at a national seminar on 26-27 October, 2017 organised by Deptt. Of evening Studies, Punjab university, Chandigarh.

Singh, R. (2017). "*Jammu Kashmir Da Punjabi Sahit*" key note address in two days All India Punjabi Writers Conference At Jammu organised by J&K Academy of Art, languages and culture on 13 December, 2017.

Singh, R. (2017). "*Punjabi media Di Badaldi Bhasha*" at a seminar organised by Guru Nanak Dev University Regional Centre Jalandhar on 14 October, 2017.

Singh, R. (2018). "*Punjabi Bhasha Di Globali Sathiti*" key note address in World Punjabi Conference on 21 Febraury.2018 organised by Khalsa college, Patiala.

Singh, R. (2018). "*Punjabi Nat-Manch de Globally Sarokar*" key note address in national seminar on 31<sup>st</sup> March, 2018 at SGG Janta College Raekot, Ludhiana.

Singh, Y., (2017). *Punjabi Diaspora de Badalde Sarokar*, National Seminar on the topic 'Changing Patterns of Punjabi Diasporic Literature, Department of Evening Studies, Panjab University, Chandigarh held on 26-27 October 2017.

Singh, Y., (2018). *Ambrish da Kaav-Chintan*, National Seminar on Punjabi Kaav-Chintan, R.S.D. College, Ferozepur, 23-24 February, 2018.

Singh, Y., (2018). *Modernity in Punjabi Literature*, International Punjabi Conference, Sri Guru Teg Bahadur Khalsa College, Delhi, 2nd and 3rd February 2018.

Singh, Y., (2018). *Punjabi Sahit da Gyan Shastar*, Chadhya Basant Utsav, Naad Pargas, Amritsar, 27-28 February 2018.

#### **Inter-Institutional Collaboration**

Sahitya Academy, Delhi

Punjabi Academy, Delhi

SS Noor Foundation, Delhi

#### **Extension and Outreach Activities**

Faculty and students regularly participate in book discussions held third Saturday of every month organised by Punjab Literary Forum, Bhai Vir Singh Sahit Sadan, New Delhi.

#### **Ph.D. / M.Phil Awarded**

Ph.D. – 02

M.Phil. – 16

## Faculty Strength

Professors: 01 (filled) + 01 (CAS and MPS)

Associate Professors: 03 (filled) + 03 (CAS and MPS)

Assistant Professors: 05 (filled) + 04 (CAS and MPS)

## Other Significant Information

Department is committed to help physically challenged students and financially weaker students.

The department has its own international recognition as Delhi School of Punjabi Criticism.

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## SANSKRIT

### Major activities and achievements

The Department of Sanskrit organised NN Chaudhuri Memorial Lecture on 03.02.2018, and also celebrated Sanskrit Week during 10.08.2017. The Department of Sanskrit has been observing the celebration of the Traditional New Year Vikrama Samvatsara: 2073 on 8<sup>th</sup> April, 2018 at Satyakam Bhawan, Social Science Extension Building. It organised the National Symposium on Importance of Sanskrit in Global Perspective organised by WAVES Tarun Tarang in collaboration with Department of Sanskrit, SDC, University of Delhi on 12.8.2017. The Department of Sanskrit has organised the National Workshop on Antiquity of Indian Culture and Linguistic Speculations at Department of Sanskrit, South Campus, University of Delhi, New Delhi on 24.3.2018.

### Honors/Distinctions

Dwivedi, M. awarded “Vividha-puraskara (Sahitya)” by Uttara Pradesh Sanskrita Sansthan on the Book Titled “Kālidāsa strī abhidhāna mālā” in December, 2017.

### Journals

#### Department teachers serving as Editor(s)/Member(s) of Editorial Board

Singh, A. P. serving as Editor-in-Chief, Shodh Navneet (International Research Journal)

Tiwary, D. S. is serving as editorial board of an International Refereed Research Journal Tripathaga Vol. 1.11, BHU, Varanasi.

Tiwary, D. S. is serving as Editorial board of Patliputra Journal of Indology, Patna.

Tiwary, D. S. is serving as editorial board of Refereed Journal Drishtikon published from Drishtikon Prakashan, New Delhi.

Tiwary, D. S. is serving as Executive Editor of International Journal of Sanskrit Research (Ananta), Delhi.

Tripathi, R. K. is serving as Editor in Chief ‘Tripathaga’ International Research journal

Behera, R. served as Editor, WAVES Newsletter, May, 2017

Behera, R. has served as Member, Review Board, Vagarth, An International Journal of Sanskrit Research.

### Publication (22)

Anju and Chandra, S. (2018). Development of Web-Based Dictionary for the Technical Terms of Sāṃkhya-Yoga Philosophy. *International Journal of Creative Research Thoughts*, 6(1), 724-728. [Impact Factor: 5.97].

Behera, R. (2017). Vaidikavaravishayini dristih (Part-I), *Shodhprabha*, 42(2), 1-8.

Behera, R. (2017). Vaidikavaravishayini dristih (Part-II). *Shodhprabha*, 42(3), 1-9.

Behera, R. (2018). *Vaidikavanmaye Krishivijnanam*. In *Vaidika Parampara Mein Vijnan Aaur Adhyatma (Ancient Indian Literacy Heritage – 7 of WAVES)*. Pratibha Prakashan, Delhi.

Chandra, S. (2017). *मशीनीअनुवाद (Machine Translation) यूजीसीसीबीसीएसस्कीमकेतहतबीए (संस्कृत) केएईईसी (AEEC)-3 केपाठ्यक्रमपरआधारित*. Vidyanidhi Prakashana, New Delhi. [ISBN: 978-93-85539-52-7].



- Chandra, S. and Anju. (2017). Puranic Search: An Instant Search System for Puranas. *Language in India*, 17(5).
- Chandra, S., Kumar, B., Kumar, V. and Sakshi. (2017). *लघु सिद्धान्त कौमुदी आधारित कम्प्यूटर कृत सुबन्त रूप सिद्धि प्रक्रिया*. Vidyaniidhi Prakashana, New Delhi, India.
- Dindoriya, V.P. (2017). *Veda-vednta tatha vedanga jyotisa*. Delhi: Parimal Publications.
- Dwivedi M. (2018). Alaṅkāraṇ mem śleṣattva vimarśa, *shodhaprabha*, 43(1), 44-61.
- Dwivedi M. (2018). Dhanika ka sabda bodha vimarsha, publishaed. In Beena Agrawal (Ed.) *samskrit kavyasha evam samayaika sandarbha*, (pp. 25-42). Delhi: Vidyaniidhi Prakashan.
- Kumar, V. and Chandra, S. (2017). भ्वादिगणनीयधातुओंकेलियेक्रियापदसिद्धितन्त्रकानिर्माण. *National Journal of Hindi & Sanskrit Research*, 1(10).
- Meena, R. K. and Chandra, S. (2017). *संस्कृतछन्दप्रवेशिका: यूजीसीसीबीसीएसस्कीमकेअन्तर्गतबीए (ऑनर्स/पास) संस्कृतकेपाठ्यक्रमएईईसी-5 तथाजीई-3 हेतुपाठ्य-पुस्तक*, New Delhi: Munshiram Manoharlal Publishers.
- Sakshi and Chandra, S. (2017). Sanskrit taddhita and English Suffixes: A Primary Investigation. *Language in India*, 17(5).
- Singh, A. P. (2017). Tattopplvasinha me aatmtattva vimarsha, *ShodhNavneet*, 8, 43-47.
- Singh, A. P. (2018). Chhandahsameeksha me Advaita Vimarsh (Panchangatavaad ke sandarbha me), *ShodhNavneet*, 8, 43-47.
- Singh, S. P. (2017). Magahī Vyākaraṇa kā saṁkṣipta paricaya. In *The PLSI, Part 1, Bihāra kī Bhāṣāem*, Chief Editor: Ganesh Devi & Volumn editor Vibha Chauhan, 359-372.
- Singh, S. P. (2017). Maithilī bhāṣā kā saṁkṣipta paricaya. In *The PLSI, Part 1, Bihāra kī Bhāṣāem*, Ganesh Devi (ed.) & Volume editor Vibha Chauhan, 113-126.
- Tiwarly, D. S. (2017). Dharmashastra mein Varnita Vinimaya-vivada (Vikriyasampradan) ka Swaroop evam Samaadhan. *Patliputra Journal of Indology*, 9, 60-65.
- Tiwarly, D. S. (2017). *Sanskrit Vangmaya mein Ganitiya Parampara*, Delhi: Vidyaniidhi Prakashan.
- Tiwarly, D. S. (2017). Sthapatya Kala ki Drishti se Shriranga Mandir ka Yogadana. *Patliputra Journal of Indology*, 09, 74-81.
- Tripathi, R. K. (2017). Sheldon Pollok ke Sanskrit sambandhi Vichar. *Ved- Jyotishmati*.

#### Seminar/Conference Presentations (31)

- Behra, R. (2018). has chaired the 3<sup>rd</sup> session of the section – Samskritavanmaye Varnitanam Catuhsastikalanam Ganitasastrasya Ca Upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 25 March, 2018.
- Behra, R. (2017). Pramukhashikshagranthadrisha Vedadhyayanam, WAVES 21<sup>st</sup> Conference of India, 10-12 December, 2017 at Bhartiya Vidya Bhawan, New Delhi.
- Behra, R. (2017). Virendrakumarabhattacharyacharyasya Sahityikamavadanam (Kalapika-Omarkhaiyamagranthayoh Sandarbhe) at Ramakrishna Mission Residential College, Kolkata on 22.4.2017 jointly organised by Sahitya Academy and Ramakrishna Mission Residential College, Kolkata, West Bengal.
- Behra, R. (2018). Teaching Methodology and Challenges at School Education in the National Seminar on Teaching Methodology and challenges organised by DAV College, Naneola, Ambala, Haryana on 7.3.2018.
- Behra, R. (2018). attended the National Seminar at Gurukul Prabhat Ashram, Merrut and presented the paper titled Upanishaddrisa Adityasaya Svarupam on 13.1.2018 .
- Behra, R. (2018). has chaired the 9th session of the section – Samskritavanmaye Varnitasaya yogasastrasya upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 27 March, 2018.

Behra, R. (2018). has coordinated the 2<sup>nd</sup>, 5<sup>th</sup> & 8<sup>th</sup> sessions of the section - Samskritavanmaye Varnitasya yogasastrasya upayogita of Akhila Bharatiya Sanskrit Sammelan organised by Delhi Sanskrit Academy on 25-28 March, 2018.

Chandra, S. (2017). "*Computational Linguistics: A Practical and Interdisciplinary Field for Sanskrit*" (संगणकीयभाषाविज्ञानसंस्कृतकेलिएकव्यवहारिकएवंअंतर्विषयकक्षेत्र) Special Lecture delivered at Department of Sanskrit, Miranda House College, University of Delhi on Sep 07, 2017.

Chandra, S. (2017). "*UGC Choice Based Credit System (CBCS) Courses for Sanskrit and CL Research at DU*" Special Lecture delivered at School of Sanskrit and Indic Studies (संस्कृतएवंप्राच्यविद्याअध्ययनसंस्थान), Jawaharlal Nehru University, New Delhi on Nov 16, 2017.

Chandra, S. (2018). "*Indian Languages Computing with Python*" Special Lecture delivered in Faculty Development Program on Natural Language Processing (NLP) from Feb 19-23, 2018 at ABES Engineering College, Ghaziabad, 19th KM Stone, NH 24, Ghaziabad -201 009, U.P. on Feb 21, 2018.

Chandra, S. (2018). "*Theoretical Concepts of Machine Translation*" Lecture delivered in One Day Interdisciplinary National Workshop on the "Critique Of Ambiguity In Sanskrit Shaastraas & Artificial Intelligence /Machine Translation (With Ref. To Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra, Anekaantvaad)" organised by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.

Chandra, S. (2018). "*Various Research Opportunities in Sanskrit and other Indian Languages with Computational Linguistics*" Lecture delivered at Hindu College, University of Delhi, Delhi on March 21, 2018.

Chandra, S. (2018). "*Challenges in Machine Translation System*" in One Day Interdisciplinary National Workshop on the "Critique Of Ambiguity In Sanskrit Shaastraas & Artificial Intelligence /Machine Translation (With Ref. To Navya-Nyaaya, Vyaakarana, Mimaansaa, Sahitya-Shastra, Anekaantvaad)" organised by the Department of Sanskrit & SDHDR&T Center, S. D. College (Lahore), Ambala Cantt on March 10, 2018.

Dindoriya, V. P. (2018). Kena tathÁ KaÔhopaniÔad mein padaucitya in National Seminar on "Vedo, mein kalÁ evam vijñÁna" on 23-24 March, 2018, Dept. of Sanskrit, PGDAV college, University of Delhi.

Dindoriya, V. P. (2018). MaitrÁyaÆÍya ÁraÆyaka ke Béhadhratha-ĪÁkÁyanya upÁkhyÁna kÁ rahasya in National Seminar on "VedÁrthanirñaye ÁraÆyakÁnÁm bhŪmikÁ", 17-18 March 2018, V.V.B.I.S.& I.S.(P.U.), Hoshiarpur, India.

Dindoriya, V. P. (2018). YogÁnuÐÁsanaprakÁsa mein viÔayapratipÁdana-paddhti kÁ vaiÐiÔÔya in National Seminar on " BhÁratĪya-darÐana ke prakaÆa granthon kĪ ÐikÔaÆa-pravidhi", 09 March, 2018, Dept. of Sanskrit, Hindu college, University of Delhi.

Dwivedi M. (2018). *Vedon mem nāṭyakalā* at seminar organised by department of Sanskrit PGDAV College University of Delhi on 24.03.2018 and also chaired a session.

Dwivedi, M. (2017) *Śathapatha brāhmaṇa men patnī samyāja (yājñavimarśa)* in seminar organised by Shri Shankar Shikshayatan, New Delhi on 29.4.2017 and chaired a session.

Dwivedi, M. (2017). *Laiṅgika samānatā aura Vedic-dṛiṣṭi* at the World Veda Conference organised by Indira gandhi rāṣṭrīya kalā kendra Delhi on 15.12.2017 and was honoured as Sārasvata Atithi.

Dwivedi, M. (2018). *Chāndogyopaniṣad mem trivritkaraṇa kī avadhāraṇā*. In National seminar on 11.01.18 Organized by svami samarpananad vedic shodha sansthan gurukul prabhat ashram tikari meerut UP,

Dwivedi, M. (2018). has delivered a lecture on the topic of *BhāratĪya raṅgamañca kā svarūpa aura upayogitā* invited by Sanskrit department of Miranda house College, Delhi University on 07.02.2018.

Dwivedi, M. (2018). *Sanskrit sāhitya mem rāmākathā* in seminar organised by department of Sanskrit, Rohatak University Haryana on 8.03.2018.

Dwivedi, M.(2018). *Chandaḥ-samīkṣā me nirūpita avaṣṭambha vyavasthā* at seminar organised by Shri Shankara shikshayatan New Delhi and dept of Sanskrit, University of Delhi on 19.7.2017 and also chaired a session.

Dwivedi, M., (2018). *nāṭya-śātra kī prāsaṅgikatā* in seminar organised by Delhi Sanskrit academy at Vijnana bhavana New Delhi on 25.3.18

Kishan, M. (2017) '*Chhandobhedah Marmchinta*' in a National Seminar on 'Chhandah Sameeksha Vimarsh' organised by Shri Shankar Sikshayatan & Sanskrit Deptt, University of Delhi on 19 Aug, 2017.

Sharma, S. (2018) "*Upanishadom mein vivdh vidyayen*" in a National Seminar on Akhila-Bhartiya-Vadika Shodh-Sangoshthi organised by Gurukul Prabhat Ashram, U.P. on 13.01.2018.

Singh, A. P. (2017) '*Chhandasameeksha me Vedantatattva Vimarsha*' in a National Seminar on 'Chhandah Sameeksha Vimarsh' organised by Shri Shankar Sikshayatan & Sanskrit Deptt, University of Delhi on 19 Aug, 2017.

Tiary, D. S (2018).*Kautilya Arthashastra mein Krishi evam Jal Prabandhan ki Vaigyanik Avadharanain* National Seminar Organised by Smile National Women PG College, Meerut, UP, 19-20 February, 2018.

Tiary, D. S. (2017). *Darshan, Neeti and Vigyan in the Vedas*, World Conference on the Vedas (15-17 Dec, 2017) at IGNC, New Delhi organised by Dharma Pratishthan, Delhi.

Tiary, D. S. (2017).*Indispensability of Numbers and Numerals of Indian Intellectual Traditions and their Scientific Role*, 2<sup>nd</sup> International Vedic Mathematics Conference (27-29 Dec, 2017), IAVM, U.K. in collaboration with Deptt. of Sanskrit, St. Stephens College, University of Delhi, Delhi.

Tiary, D. S. (2018).*Tyag evam Bhog ke sandarbh mein Ishavasyopanishad ki tattvika drishtiin* National Seminar Organised by Swami Samarpananand Vaidik Shodh Sansthan, Gurukul Prabhat Ashram, U. P. on 13.01.2018.

#### **Placement Details (Number and Percentage of Students Placed) –**

Two students placed at Delhi Government School

Ms Sakshi Doctoral, Research Scholar placed as PGT (Sanskrit) Delhi Government School, Delhi.

Mr Vivek Kumar, Doctoral Research Scholar placed as TGT (Sanskrit) Delhi Government School, Delhi.

#### **Number of M.Phil/Ph.D. Degree Awarded**

Ph.D. : 16

M.Phil : 15

#### **Faculty Strength – 24**

##### **Other significant information**

Dwivedi, M. (2018) has reciting the Sanskrit Poems in a Kavi sammelan Organised by Sanskrit Department of Hindu College, University of Delhi on 22.03.2018

Dwivedi, M. (2017) has delivered a lecture titled- *kālidās kā śabda paripākain* a refresher course program conducted by Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi on 27.June 2017.

Tripathi, R.K.(2017)has Delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Sanskrit Evam Hindi Ka Anter-sambandh" on 15 July,2017.

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Kavyashastra men Rasa-swarup-vimarsh" on 02 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Alankar-Sampraday-Vivechan on 03August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Dvani-Sampraday : Ek Anushilan" on 04 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Riti-sampraday- ka Kavyaatm-Vivechan" on 18 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Vakrokti Evam Auchitya-Vimarsh" on 20 August, 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Ramayana Evam Mahabharata Ka Samanya vivaran" on 04 Sept., 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered lecture as speaker at Sanskrit Academy, Delhi, Entitled "Rupako ka Udbhav Evam Vikas" on 05 Sept., 2017, (4pm-6pm)

Tripathi, R.K. (2017) has delivered Lecture as Chief Speaker in International Seminar Entitled “Adhunik Sanskrit-Sahitya Men Manav-Mulya” Organised by Kalindi College, University of Delhi, Delhi on 03.03.2017.

Tripathi, R.K. (2018) has delivered lecture as chief speaker in National Seminar entitled “Sanskrit Sahitya me Rashtriya Bhavana” on 11 March, 2018 organised by Department of Sanskrit, Barkatulla University, Bhopal (MP)

Tripathi, R.K. (2018) has delivered lecture as speaker in fourth extension lecture, organised by department of Sanskrit, Jamiya Milliyya Islamiya University, Delhi. entitled “Alankarsidhantvikas-parampara” on 21-3-2018 (11 am- 12:30 pm)

Tripathi, R.K. (2017) has delivered two lectures as resource person in refresher course at CPDHE, University of Delhi. 20 June-2017 & 4 July 2017.

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## SLAVONIC AND FINNO-UGRIAN STUDIES

### Major Activities and Achievements

The Department of Slavonic and Finno-Ugrian Studies prides itself as being the only Department in the country where, besides Russian and Polish, courses in Bulgarian, Czech, Croatian, and Hungarian languages are taught. This gives the Department an opportunity to conduct a variety of activities beyond classroom teaching. A list of these activities is given below.

This year the Department celebrated two major landmarks – Seventy years of the establishment of the Russian Language Department (the first in the country) in Delhi University coinciding with seventy years of Indo –Russian Diplomatic relations and twenty years of the commencement of courses in Croatian language. These were marked by organizing various unique events - A Photo Exhibition: “Tolstoy-Gandhi: Preachers of Non-Violence” in collaboration with the Embassy of Russia in India, The Leo Tolstoy House Museum Yasnaya Polyana, Russia, the National Gandhi Museum, New Delhi and the Gandhi Bhawan, Delhi University; a quiz competition: “Druzba- Dosti ” in collaboration with St. Stephens College, University of Delhi, comprising of questions based on 70 years of diplomatic relations between India and Russia and An International Conference: "India and Russia: Cross-Cultural Synergies" which was supported by the University of Delhi, the Indian Council for Social Science Research (ICSSR); the Embassy of the Russian Federation in India and the Russian Center for Science and Culture, New Delhi. The conference attracted renowned scholars and practicing scientists and teachers from different cities of Russia such as Moscow, St. Petersburg, Volgograd, Kazan, Ivanov, Murmansk, and Yekaterinburg, as well as from other countries - Georgia, Turkey and Sri Lanka, including India.

The program “Celebrating 20 years of Croatian language in Delhi University” was organised in collaboration with the Croatian Embassy and inaugurated by H.E. Mr. Petar Ljubicic, Ambassador of Croatia in India. The two day celebration was marked by exhibition of books, photographs, poetry reading sessions and special lectures.

As a routine the Department regularly collaborates with the Cultural Centers of the foreign countries to organize lectures and other activities of visiting specialists and experts, which gives the students an international exposure and widens their outlook. The Department is a vibrant and lively seat of learning.

### Honours/Distinctions

Saxena Ranjana, Nominated Foreign External Supervisor for Ph.D student of Al-Farabi University, Kazakhstan

### Publications (18)

James, C. V. (2017) ЧеннаккаданВариатхДжеймсВнутренняяформа и грамматическийстатусрусскихсложныхслов. Монография. - Нью-Дели: Изд-во (Monograph in Russian Language) “Internal Form and grammatical status of compound words”). Goyal Publishers and Distributes Pvt. Ltd. 308 c.

Koves, M. (2017) G. W. Leitner and the Hindi-Urdu Language Question in the Context of the Hungarian Language Reform, *Kalakalpa IGNCA Journal of Arts.*, 2(1), Guru Purnima, July 2017, 171-185.

Koves, M. (2017) Interview: Hungarian Author GáborLanczkor: Humanism in Crisis <http://www.frontline.in/arts-and-culture/literature/humanism-in-crisis/article9730464.ece?homepage=true> July 7, 2017

Koves, M. (2017) Photo-framed installations: second and third generation narratives about the partition and the holocaust, in looking back the 1947 partition of India 70 years. In Rakshanda Jalil, Tarun K. Saint and Debjani Sengupta, (pp. 54-66). Hyderabad: Orient Black Swan.

Koves, M. (2017) The Life and Work of Georg Lukács: An Introduction, *Social Scientist*, 534-535 (November- December, 2017), 3-40.

Koves, M. (2018) Amrita Sher-Gil és a magyarirodalom in Hungarian: Amrita Sher-Gil and Hungarian Literature. *Orpheus Noster, the Journal of KároliGáspár University*, 10(2), 42-53.

Koves, M. (2018) *JánosAranykathageetevamkavitaen, introduction editing, notes, co-translator*, Delhi: Rajkamal Prakashan.

Koves, M. (2018) Modernity, Ethics and Art in the Early Work of Lukács, *Social Scientist*, 536-537(January-February 2018), 11-27.

Munjal, G. (2017) A Hindi translation of a poem by Andrei Dementev, Journal. *Anuvad*, 172-173(July-December 2017), [a special issue on translation of Russian Literature into Hindi]. New Delhi: Translator's Association of India, 105-106.

Munjal, G. (2017) A Hindi translation of a story by Vasily Shukshin, Journal. *Anuvad* 172-173(July-December 2017), [a special issue on translation of Russian Literature into Hindi]. New Delhi: Translator's Association of India, 64-71.

Munjal, G. (2017) Russian Poetry in Hindi: Transforming Rhyme, Rhythm, Sense. *Critic*, 15(March 2018). [Centre of Russian Studies, SLL & CS, JNU, New Delhi, India].

Munjal, G. and Vashist, D. (2017) Basics of Russian morphology (Основыморфологииирусскогоязыка), Theory & Analysis of Parts of Speech in Russian, *Langers International*, 180 p.

Saxena, R. (2018) 'In search of the lost Atlantis: Dina Rubina's on the sunny side of the street', *The Russian Factor in Central Asian Culture*, New Delhi: Manak, 326-328.

Saxena, R. (2017). A tale of two cities: Calcutta and Tashkent in the contemporary Literary imagination, *Central Asia and South Asia: Economic, Developmental and Socio-Cultural Linkages*, New Delhi: Manak, 510-537.

Saxena, R. (2018). György Lukács and the Russian Soviet Factor, *Social Scientist*, 46(1-2), 65-90.

Suryanarayan, N. (2018). Using innovative technologies in teaching Russian literature to a foreign audience. In Language and Speech on the Internet: the individual, Society, Communication, Culture. [Vol.2], 40-52.

Suryanarayan, N. (2017) Book; Russkiye *pristavochkiye glagoli: Znacheniiye I upotribleniye*. Delhi.

Suryanarayan, N. (2017). *The role of Russian Language in India's Healthcare sector*. *Russian Journal of Linguistics*, Vestnik: Russian University of Peoples' Friendship, 515-529.

## Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board: 01

Suryanarayan Neelakshi – Member of Editorial Board: 1. *Russian Journal of Linguistics*. Quarterly Journal of Peoples' Friendship University of Russia, Moscow.

Vestnik, Journal of Moscow City University – Series: *Philology, Theory of Linguistics*, Language Study.

## Seminars /Workshops Organised (04)

21<sup>st</sup> Sept, 2017 A team of two experts Prof Natalia Novikova and Prof. Vladimir Meskin from the Peoples Friendship University, Moscow, Russia, conducted a one day Seminar cum Master Class in the field of Teaching Russian language and literature abroad. Certificates of participation were given to the students.

19<sup>th</sup> March, 2018 in collaboration with Croatian Embassy organised a programme "Celebrating 20 years of Croatian language in Delhi University". H.E. Mr. Petar Ljubicic, Ambassador of Croatia inaugurated the function as Chief Guest. The two day celebration was marked by exhibition of books, photographs and poetry reading session by the students and a lecture 'A Short Survey / History of Croatian Indology' by the special invitee Prof. Mislav Jezic (eminent indologist from Croatian Academy of Sciences and Arts)

23<sup>rd</sup> Oct to 30<sup>th</sup> Oct, 2017-Annual Film Festival: Little Europe, 2016-17 "Diaspora in Cinema" with active support from the Embassy of the Czech Republic and the Embassies of the Russian Federation, The

Republic of Poland, Bulgaria, Hungary and Croatia in India. Each screening was followed by a workshop conducted by the department teachers and invited film scholars and experts.

23<sup>rd</sup> October, Monday, 2017, 11.00 a.m. – Inauguration of Film-Festival “Diaspora in Cinema” by H.E. Ambassador of Czech Republic Mr. Milan Hovorka. The key note address was delivered by Prof. Meenakshi Thapan, Department of Sociology, University of Delhi. The inaugural function was followed by the Screening of the Czech Film: Kawasaki’s Rose (2009), followed by workshop by Film Scholar

24<sup>th</sup> October, Tuesday, 2017, 01.15 p.m. – Inauguration of the Documentary exhibition “Hope of Freedom” by H.E. Ambassador of Hungary Mr. Gyula Petho, followed by the Screening of the Hungarian Film: Daniel Takes a Train (2007), followed by workshop and tea.

25<sup>th</sup> October, Wednesday, 2017. 1.30 p.m. - Screening of the Polish Film: A Bar at the Victoria Station (2003), followed by workshop and tea.

26<sup>th</sup> October, Thursday, 2017. 1.30 p.m. – Screening of the Croatian Film: My Uncle’s Legacy followed by workshop and tea.

27<sup>th</sup> October, 2017. 1.30 p.m. – Screening of the Russian Film: Passport (1990), followed by workshop and tea.

30<sup>th</sup> October, Monday, 2017, 1.30 p.m. – Screening of the Bulgarian Film: Forecast (2009), followed by workshop and tea.

31<sup>st</sup> October, Tuesday, 2017, Presentation by the students and closing of the Film-Festival. Awards for the best presentation were given to the respective students

27<sup>th</sup> Nov, 2017. A workshop on translation of Bulgarian Poems, folktales and short stories by the students of Bulgarian Language conducted by Prof. Milena Bratoeva (Head) Department of Classical Eastern Studies, Sofia University “St. Kliment Okhrid” Bulgaria Dr. Vimlesh Kanti Verma was the special invitee for the workshop. Dr. Rashmi Joshi and Dr. Galina Molhova coordinated the programme.

### **Conferences Organised**

International Conference on “India and Russia: Cross-Cultural Synergies” held on 22<sup>nd</sup> -23<sup>rd</sup> February, 2018. The conference was supported by the University of Delhi ; the Indian Council for Social Science Research (ICSSR); the Embassy of the Russian Federation in India and the Russian Center for Science and Culture, New Delhi.

### **Seminar/Conference Presentation (21)**

Chennakkadan V. J. (2017) “*Multilingualism: India-Russia perspective*” International Seminar: Multilingualism in India and Russia, February, 2017, Department of Russian, University of Mumbai, Mumbai.

Chennakkadan V. J. (2017). “*Ease of learning Russian through explanatory grammar - an innovative approach in teaching/learning Russian*” International Seminar: Effective and Innovative Approaches in Teaching Russian Language and Literature, December, 2017. Department of Russian, University of Mumbai, Mumbai

Chennakkadan V. J. (2017). *Special lectures “Explanatory Grammar”* (240 min.) at the University of Mumbai, Mumbai, India, on December 10, 2017 • Special lectures: “Ease of Learning Russian Language using Explanatory Grammar” (180 min), at the Department of Modern Languages, University of Kelaniya, Colombo, Sri Lanka on December 20, 2017

Chennakkadan V. J. (2018). “*Protomorphemes as cross-linguistic synergy elements in Russian*” International Conference: India and Russia: Cross Cultural Synergies, February, 2018. Department of Slavonic and Finno-Ugrian Studies, University of Delhi, Delhi

Chennakkadan V. J. (2018). *Special lectures “Explanatory Grammar”* (120 min.) at the Directorate of Russian Translation Cell in Air Headquarters, Delhi on February 16, 2018

Koves M. (2018). “*About Hungary, Custom, History, Literature*” lecture at United Nation Womens Asociation, New Delhi, 23d January, 2018

Koves M. (2018). “*Media Studies: Pedagogic and Methodological Engagements*”, paper presented “Photography and Literature” Centre for Media Studies, SSS, Jawaharlal Nehru University, 23-25 March, 2018

Koves M. (2018). “*The Custom-Officer and God: Form and Fiction of Home*” Dept of Germanic and Romance Studies, University of Delhi, International Seminar, “Imaginary Homelands” 8-10 March, 2018

Munjal G. (2017). *"The Role of Grammar in methodology of teaching Russian Literature"*, International Conference: 'The Russian Studies: Changing Dimensions in Literature & Culture, Language & Translation, SLL&CS, JNU, New Delhi, 2017-11-09

Munjal, G. (2017). *"Russian Poetry in Hindi: Transforming Rhyme, Rhythm, Sense"* National Seminar cum workshop: Emerging trends in translation studies, September 6-7, 2017, SLL&CS, JNU, New Delhi, 2017-09-06

Munjal, G. (2017). *"Innovative methodology in developing Reading and listening comprehension skills in understanding of Russian literary texts"*, Department of Russian, International Institute of Business Networking, Saint-Petersburg, Russia, (International), 2017-05-24, 120 min.

Munjal, G. (2017). *"Modern Political discourse in Russia"* & *"Modern Russian Syntax"*, Directorate of Russian Translation Cell, AIR HQ (RKP), New Delhi (National), 2017-09-13, 120 min.

Munjal, G. (2017). *"New Innovative methodology of teaching and learning case system in Russian grammar"*, Department of Russian, International Institute of Business Networking, Saint-Petersburg, Russia, (International), 2017-05-26, 120 min.

Munjal, G. (2017). *"Winged Words & Expressions in Russian"* & *"Stylistics use of Synonyms"* Directorate of Russian Translation Cell, AIR HQ (RKP), New Delhi (National), 2017-11-15, 120 min.

Saxena R. (2017). *Relevance of tolstoy and gandhi in the times of post-truth* read in absentia at the seminar "Tolstoy And The Revolution - XII Readings on Tolstoy" held on the 25th of May 2017 organised by the Gorky Institute of World Literature. Academy of Sciences, Moscow.

Saxena R., (2017) *the Russian Revolution and Women's Movements* MMAJ Academy Of International Studies Jamia Millia Islamia Eurasia, A Hundred Years After 1917 9 November 2017

Saxena R., (2018) *"L.N. Tolstoy & M.K. Gandhi - In Search Of The 'Ideal World' (in Russian)* India And Russia: Cross Cultural Synergies on the 23rd of February, 2018 Department of Slavonic and Finno-Ugrian Studies, University of Delhi

Suryanarayan N., (2017). *'Ethnic stereo types in learning/ teaching a foreign Language.'* International Conference dedicated to 25 years of the establishment of the Center of Russian Language, London, "Russian outside of Russia", 2-3 November, 2017.

Suryanarayan N., (2017). *'Russian literature as a source of inspiration and imparting moral values to the youth.'* At the IIIrd International Livadia Forum, invited by the Russian Federation Ministry of Education and Science, Livadia, Crimea, 5<sup>th</sup>-6<sup>th</sup> June 2017.

Suryanarayan N., (2018). *'Cultural literacy as the basis for understanding and effective communication. (Based on the material of Indian and Russian Communicative cultures)* in Russia. International Conference- India and Russia: Cross cultural synergies. Department of Slavonic and Finno-Ugrian Studies, University of Delhi, Delhi, 22-23 February, 2018.

Vashist D. (2018). *Migrant themes in Russian and Indian women's writing at the turn of XIX-XX centuries* (Бродячие сюжеты в русской и индийской женской литературе на рубеже XIX-XX веков) in the International Conference 'India and Russia: Cross Cultural Synergies' Department of SFUD, University of Delhi, Feb 2018.

### **Students under Exchange Program**

21<sup>st</sup> February, 2018-A special master-class "Let us write for the newspaper" for the students of M.A. Russian Studies was conducted by Prof. Galina Trofimova, Visiting Professor, People's Friendship University, Moscow. Students were given Certificates of participation.

### **Placement Details**

Several students of Russian have found gainful employment as interpreters in medical tourism and other fields

### **Extension and Outreach Activities**

11<sup>th</sup> Sept, 2017 -The students viewed the Live Telecast by Hon'ble Prime Minister Shri Narendra Modi on "Young India – New India – A Resurgent Nation: from Sankalp to Siddi" on the occasion of 125<sup>th</sup> year of Swami Vivekanand's and Pandit Deendayal Upadhyay Centenary Celebrations in the Audio-visual room of the Department.

19<sup>th</sup> Sept, 2017-An Elocution Competition on the topic “Health and Hygiene are the real Wealth” was organised as a part of the Ministry of HRD Programme “Swachhta Pakhwada”. The students of all courses participated in the competition. Certificates of participation and 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> prizes were distributed to the students.

6<sup>th</sup> Oct, 2017- A presentation by the students of Bulgarian language who participated in the Summer Seminar in Bulgaria, narrating their learning and living experience in Bulgaria. All the students of Bulgarian Language attended the presentation.

30<sup>th</sup> Oct, 2017 Ms. Violeta Halacheva from University of Sofia, Bulgaria gave a talk on “Modern Technology in Foreign Language Teaching” with special reference to Bulgarian Language. The students of Bulgarian Language as well as other languages attended the talk.

05<sup>th</sup> Dec, 2017 A lecture by Hungarian writer “Mr. Gabor Lanczkor “Amrita Sher Gil as I see her” on the basis of his novel. A flute recital by Ms. Krisztina Lanczkor-Kocsis, musicologist from Hungary “Concert Etudes for Flute”.

13<sup>th</sup> Dec, 2017 Musical performance of the renowned Hungarian Ensemble Kalaka and Indian Musicians in collaboration with Department of Music, Faculty of Music & Fine Arts, University of Delhi. Performance was held at the Concert Hall, Department of Music. The Kalaka ensemble later gave a performance of poems of Sergei Yesenin and Attila Jozsef set to music in the A.V. Room of the Department.

11<sup>th</sup> Jan, 2018 To mark 100 years of the Russian Revolution, A film show “Ten Days that Shook the World” based on the novel by John Reed (dubbed in Hindi) was screened for the students. The film was presented and discussed by Mr. Vineet Tiwari (Senior Journalist, Socio-Political Analyst) and Dr. Jaya Mehta (Prof. at Joshi Adhikari-Institute of Social Studies).

29<sup>th</sup> January, 2018 A lecture by Prof. Zoja Karanovic (University of Novy Sad, Serbia) on “Tales told by Plants”.

16<sup>th</sup> February, 2018 H.E. Mr. Adam Burakowski, the Ambassador of the Republic of Poland was invited to deliver a lecture: “Contemporary Poland”. All teachers and students attended.

27<sup>th</sup> February, 2018 Slava, 2018 Annual Quiz Competition for the students of all languages (Bulgarian, Croatian, Czech, Hungarian, Polish and Russian) covering questions on History, Geography and Culture of these countries. Student’s teams were conferred with I, II and III prizes.

28<sup>th</sup> February, 2018 A delegation from The Margarita Al Literary Society from Russia under the aegis of “Eurasian Peoples’ Assembly” conducted a talk and an interactive session on “100 years of Russian Avant-garde”

14<sup>th</sup> March, 2018 H.E. Mr. Petko Doykov, Ambassador of Bulgaria in India, delivered a lecture on “Bulgaria’s Role as the Presidency of Council of European Union: Prospects and Challenges”. The lecture was open to all students and teachers of the Department.

22<sup>nd</sup> March, 2018 Annual Students Cultural Programme “RADUGA” (A Cultural Interface) in Shankar Lal Hall, University of Delhi. All the students of the department as well as the colleges where classes in Russian language are being conducted, participated in the programme, showcasing their talent in various cultural activities.

#### **Number of M.Phil/Ph.D. Degrees Awarded**

Ph.D: 01

M-Phil: 02

#### **Faculty Strength**

Professors: 03 (vacant)

Associate professors: 03 (Through CAS) + 03 (vacant)

Assistant professors: 03 + 05 (vacant)

Five Assistant Professor (On ad-hoc basis ) working in the Department

Five visiting faculty from Bulgaria/Croatia/Czech Republic/Hungary/Poland under Cultural Exchange Programme

Five guest lecturers working in the Department



### Other Significant Information

Suryanarayan N., (2017). Participated in the Forum For Discussion Of Experts On The Popularization Of Educational Technologies And Training Methods Towards Strengthening The Status Of The Russian Language at the International Conference "Russian World: Present and Future", Moscow, Russia, June 21 – 22<sup>nd</sup> 2017

Suryanarayan N., (2018). Plenary speaker: "Using innovative technologies in teaching Russian literature to a foreign audience" 2<sup>nd</sup> International Conference: "Language and Speech on the Internet: the individual, Society, Communication, Culture." Russian University of Peoples' Friendship, Moscow, 29-30, March, 2018.

Students of the Department participate regularly in various competitions related to the knowledge and skills of language that they are learning and have been receiving awards and prizes for the same.

11<sup>th</sup> Sept, 2017 - The Czech Republic (former Czechoslovakia) and India celebrated their 70th anniversary of establishment of diplomatic relations. The students from the Czech section with the Czech teacher participated at the inauguration of the exhibition "All the Beauties of the World" featuring the life and work of Czech writer Jaroslav Seifert winner of Nobel Prize for Literature. The exhibition was opened by the Minister of Culture of the Czech Republic Daniel Herman at Gandhi Smriti Memorial in New Delhi. The students gave a brief presentation about their relation with the Czech language and Czech culture.

12<sup>th</sup> October, 2017 - Participation by students at an Olympiad "Days of Russia in India" organised at The Centre of Russian Studies, School of Language, Literature and Culture Studies, Jawaharlal Nehru University to celebrate the 70<sup>th</sup> anniversary of Indo-Russian Diplomatic relations. Students received prizes in the Olympiad and certificates of participation.

8<sup>th</sup> Jan, 2018 – Meet the Writers Panel Discussion "Imaginary Homelands" in collaboration with Department of Germanic and Romance Studies, University of Delhi, with writers from France, Austria, Germany, Slovenia, Portugal and Hungary in Room No-22 of Arts Faculty. Book reading session and close interaction with the Polish writer Mr. Jakub Matecki, Slovenian writer Mr. Evald Flisar and Hungarian writer Mr. Attila Bartis in the Department.

18<sup>th</sup> January to 22<sup>nd</sup> January, 2018 Exhibition: "Tolstoy-Gandhi: Preachers of Non-Violence" in collaboration with Embassy of Russia in India, The Leo Tolstoy House Museum Yasnaya Polyana, Russia, the National Gandhi Museum, New Delhi and Gandhi Bhawan, Delhi University. The Photo-exhibition was inaugurated by the Honorable Vice-Chancellor, Prof. Yogesh K. Tyagi & Minister-Counsellor, Embassy of the Russian federation in India Mr. Sergey Karmalito. Keynote lecture was delivered by Mr. Annamalai A., Director, National Gandhi Museum. A cultural program comprising of a theatrical performance, bhajans, Russian and Indian songs and dances was presented by the department students and students of Russian Embassy School. On other days there was a Round table discussion: "Tolstoy-Gandhi: Interface in 21<sup>st</sup> Century", a poster-competition: "Non-violence on canvas" and a look-alike competition. The closing and prize distribution ceremony was held on the concluding day (22<sup>nd</sup> January, 2018) in the presence of Ms. Nana Mgeladze, Counsellor (Culture) Embassy of Russia in India, Mr. Annamalai, A., Director of National Gandhi Museum and teachers of the Department.

8<sup>th</sup> February, 2018- A quiz competition: "Druzba- Dosti" in collaboration with St. Stephens College, University of Delhi, comprising of questions based on 70 years of diplomatic relations between India and Russia was held in St. Stephen's College. Teams comprising of students from the Department, different colleges as well as the Russian Embassy School participated in the Quiz. The winning teams were conferred with prizes and certificates of participation were given to all.

9<sup>th</sup> February, 2018- Students of the Department participated in various competitions (Essay- "Russia through my eyes" Poster: "Russian Winter", Translation, Quiz, Olympiad, Dance and Song) organised by the Russian Centre of Science and Culture as a part of the Olympiad "Days of Russian Language, Literature and Culture-2018". The students won prizes in different categories and were awarded prizes and certificates.

15<sup>th</sup> February, 2018- An interactive session in collaboration with the Russian Embassy School, New Delhi. Four teachers - Mr. Yuri Moscherikov, Ms. Irina Nazmova, Mr. Oleg Manzyuk and Ms. Lyudmila Moiseeva from the Russian Embassy School, New Delhi conducted master classes and interactive sessions with the students of M.A. Russian on the topics: Sergei Esenin – Russian Poet of the Silver age Communicating in Russian

09<sup>th</sup> March, 2018- Azbuka, 2018: Annual Quiz Competition for the students of Russian Language. The students from the department as well colleges participated in the Quiz Competition. Student's teams were conferred with I, II and III prizes.

Several students are receiving JRF and SRF.

Students are regularly clearing the UGC/NET examination in Russian

Some students are availing of other scholarships namely the Rajiv Gandhi fellowship.

The following scholarships are available for the students of the Department:

UGC sponsored Bulgarian Scholarships under the CEP programme to participate in the summer seminars in Bulgaria.

A three-month merit scholarship for a Croatian language course in Croatia.

Merit scholarships to the students of Czech language offered by the Czech Government from time to time.

Merit scholarships offered by the Hungarian Government and Institutes from time to time.

Merit scholarships offered by the Polish Government for Polish Language Courses in different universities in Poland.

Besides these, there are Non-NET scholarships awarded by the University of Delhi to research scholars of the Department doing M.Phil or Ph.D.

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## URDU

### Major Activities and Achievements

The teachers of the Department are actively engaged in research and publications work in different areas of Urdu Literature. A number of distinguished visitors, Professors and eminent personalities visited the Department to deliver the special lectures and interact with faculty members as well as the students of the Department.

### Honours/ Distinctions

Prof. N.M.Kamal, A.G. Nassakh Award by West Bengal Urdu Academy, Kolkata.2017

Dr. Mohammad Kazim, Hum Sab Ghalib Award (National), Ghalib Institute, New Delhi, 2017

Dr. Mohammad Kazim, Bihar Urdu Academy Award, Government of Bihar, Patna, 2017

Dr. Mohammad Kazim, John Gilcrist Award (National), West Bengal Urdu Academy, Government of West Bengal, 2017

### Publications (29)

Ara, A. (2017). Laash ki Numaish, *Tafheem*, 12, 140-144.

Ara, A. (2017). Arundhati Roy ka Novel Bepanah Shaadmaani ki Mumlikat, *Imroz*, 4, 102-15

Ara, A. (2017). Hurriyat Chowk ka Majun, *Aajkal*, Delhi, 76(01), 36-38.

Ara, A. (2017). Iraqi Adeeb Hasan Blasim aur Unki Kahaniyan, *Imroz*, 3, 82-103.

Ara, A. (2017). Khaab aur Khauf ki Hazaar Bhool-Bhulayyan I (by Afghan writer Atiq Rahimi), April-Hindi Quarterly Baya, Vol. 12:36, pp 105-112 and in April-June 2017, Khaab aur Khauf ki Hazaar Bhool-Bhulayyan-II (Hindi Quarterly Baya, 12(37), 87-111

Ara, A. (2018). Bepanah Shadmani ki Mumlikat (Urdu translation of Arundhati Roy's novel, The Ministry of Utmost happiness), *Aaj ki Kitaben*, 466.

Idrisi, A.A. (2017). Iqbal ki bemissal shayerana Azmat, *Inquilab: Daily Newspaper*.

Kamal, N.M. (2017). Chapter in Intezar Husain: Hayat aur Fun. By Dr. Naim Anis, Kolkata. 2017

Kamal, N.M. (2017). Daghi hi Daghi, *Fikr-o-Tahreer*, Kolkatta, 66-93

Kamal, N.M. (2018). Bachchon Ka Adabaur Urdu kafarogh. In Ghazala Fatima (ed.), *Masoom Jazbon ki Jamaliyat*. Delhi.

Kamal, N.M. (2018). AhlulKahaf (Collection of Short Stories in Arabic translated By Qazi Ahmad, Egypt), *KitabiDunya*, Delhi.

Kazim, M. (2017). *Intezar Hussain Ki Justujoo Kya Hai*, Intezar Hussain: Hayat-o-Fun compiled by Dr. Nayeem Anis, Published by West Bengal Urdu Academy, Government of West Bengal, Kolkata, pp 100-131.

Kazim, M. (2017). Ishariya Urdu Science Mahnama, *Educational Publishing House*.

Kazim, M. (2017). Ismat Chughtai Ke Dramey, *Urdu journal*, 286-288.

Kazim, M. (2017). *Theatre: Parsi Ahad Ke Baad (Aik Tareekhi Safar)*, in the book entitled Urdu Ka aalami Tanazur (Urdu in Global Perspective) compiled by Prof. Khwaja Md. Ekramuddin, Published by Brown Book Publications pvt. Ltd. New Delhi, pp 90-126.

Kazim, M. (2017). Urdu Dramey ka Safar Aur Ajkal, *Ajkal*, 21-23.

Kazim, M. (2017). Watan Ka Qarz, Collection off stage plays by Rashid Nirauwa Razdan, Society for the promotion of Urdu, Mauritius

Kazim, M. (2017). Drama Anarkali: Aik Mutalia, *Adab-o-saqafat*, 154-179.

Kazim, M. (2017). Intezar Hussain Ki Khudnawish Sawaneh, *Half Yearly Hamari Aawaz*, 14(12), 64-78.

Kazim, M. (2017). Parsi Ahad Ke Baad Urdu Theatre, *Urdu Adab-Anjuman Taraqqi Urdu*, 193-214.

Kazim, M. (2017). Sir Syed Ahmad Khan Ke Makalme: Khutoot Ke Ainey Mein, *Fikr-o-Tahreer*, 95-99.

Khan, I.A. (2017). Amir Khusro Hindostan Ki Tahzibi Aien Sazi Ka Bunyad Guzar, *Naya Daur*, 72, 7-10.

Khan, I.A. (2017). Bihar me takhliqi nasr ek taassur, bihar-o-jharkhand me Urdu afshana, by Dr. Qayam Nayyar, 515-516.

Khan, I.A. (2017). Shamim Nikhat Ki Afsana Nigari, *Sohail*, 5, 47-49.

Khan, I.A. (2017). Sher ki fikr ko asad chahiye hai dilo dimagh, *Kitab numa*, 57, 22-25.

Khan, I.A. (2017). Amir Khusro Ki Tarikhi Basirat, *Aiwan-E-Urdu*, 31, 26-30.

Omair, S. (2017). Ye Izn-e-Aam Hai Koi Na Etaraf Kare. *Ajkal*.

Omair, S. (2017). Urdu Afsane Mein Aurat ki Akkasi, *Urdu Journal*, 7(7-8).

### **Seminars Organised (12)**

Mr. Arif Naqvi from Germany on “Urdu in Europe” presided by Prof. Sagheer Afrahim, AMU, Aligarh-01.04.2017.

Dr. M Sayeed Alam lecture on the topic “contemporary Urdu Drama” chaired by Prof Ibne Kanwal and moderated by Dr. Mohammad Kazim- 16.03.2017.

Mr. Deepak Budki lecture on the topic “Young short story writters” Chaired by Prof. Ibne Kanwal and moderated by Dr. Abubakar Abbad- 07.04.2017.

Dr. Afroz Taj (Professor of Urdu Language and Culture in USA) lecture on the topic “tradition of Urdu in USA” chaired by Prof. Ibne Kanwal and moderated by Dr. Mohammad Kazim- 23.06.2017.

Prof. Mehtabs H Naqvi (AMU, Aligarh) lecture on “Modern Urdu Poetry” presided by Prof. M.A. Jouhar-26.09.2017 .

Prof Shafiq Ashrafi lecture on “Research Methodology” presided by Prof. Aslam Jamshedpuri, C.C.U. Meerut- 29.08.2017.

Prof. Ahmad Mahfooz (Jamia Millia Islamia) lecture on the Topic “Contemporary Poetry” Chaired by Prof. Ibne Kanwal and moderated by Dr. Najma Rehmani- 01.12.2017.

Mr. Salam Bin Razzaq (Eminent Fiction Writer, Mumbai) extension Lecture on the topic “contemporary Fiction” by Chaired by Dr. Ali Javed and Moderated by Dr. Mohammad Kazim- 21.12.2017.

Prof. S.M. Hashim (AMU, Aligarh) lecture on “Textual Critics” Presided by Prof. Ibne Kanwal-10.01.2018.

Dr. Emel Silym (Turkey) lecture on “Urdu in Turkey” presided by Prof. Ekramuddin JNU-14.02.2018

Prof. Q.M.A. Rahman (Egypt) lecture on the topic “Urdu in Arab countries” presided Prof. Abdul Haq and Prof. K Ekramuddin of JNU-21.03.2018.

Mr. Rashid Nirawwa, (Playwright, Director, Actor & Senior officer in Ministry of Culture, Government of Mauritius ); Dr. Nayeem Anis (Associate Professor, Calcutta Girls College, Kolkata)

panelists in the panel discussion on the topic “tradition of Urdu Drama in Mauritius” Chaired by Prof. Ibne Kanwal and moderated by Dr. Mohammad Kazim- 26.03.2018.

### **Seminar/Conference Presentations**

- Kamal, N. M. (2017), “Urdu Marsiye me Razmnigar” at Jamia Millia Islamia Delhi on 23.4.2017
- Kamal, N. M. (2017), Presidential Lecture in a seminar on “Urdu ke Farogh mein Gher muslim adeebon ka Kirdar” at Noida on 14.4.2017
- Kamal, N. M. (2017), Presidential Lecture on “Importance of Education” at Ameer Global School, Delhi on 14.5.2017
- Kamal, N. M. (2017), Presidential Lecture on “Taleem Ki Ahmiyat” at Al-Azhar Hind University, Delhi on 20.5.2017
- Kamal, N. M. (2017), Presented a short story “MujrimKaun” at Delhi Urdu Academy on 21.5.2017
- Kamal, N. M. (2018), Presented a Lecture on “Adab e Atfal” at Ghalib Academy, Delhi on 30/6/2018
- Kamal, N. M. (2017), Delivered a Lecture on “Urdu Tahqeeq” at Kashmir University on 19.8.2017
- Kamal, N. M. (2017), Presidential Lecture on “DaaghaurMaasirShaura” at FatehpuriSchool, Delhi, on 27/8/2017
- Kamal, N. M. (2017), Delivered a Lecture on “Dastaanka Fan” at Jamia Millia Islamia, on 19.9.2017
- Kamal, N. M. (2017), “Sir Syed aurunkeahdki Nasr” at AMU Aligarh on 5.10.2017
- Kamal, N. M. (2017), “MushafikiShairi” at Z.H.D.College, Delhi on 11.11.2017
- Kamal, N. M. (2017), Presented a Lecture on “IqbalkiShairi” at Jamia Millia Islamia on 14.11.2017
- Kamal, N. M. (2018), Presented a Lecture on “Afsaneka Fan” at MANUU, Hyderabad on 12/2/2018
- Kamal, N. M. (2018), Presented a Lecture on “Hindustan mein Urdu Afsana” at M.J.I.Hind, Delhi on 5/5/2018
- Kamal, N. M. (2018), “GautamBudh in Urdu Literature” at Ghandhi Bhawan, DU on 30/4/2018
- Kamal, N. M. (2018), “Urdu Mein Novel Nigari” at Mumbai University on 7.2.2018
- Kazim, M., (2017), Jamiaat Mein Research Ke Masail Aur Uska Hal (key note address), at Two Day National Research Scholar Seminar on Jamiaat Mein Research Ke Masail Aur Hal, organised by Bihar Urdu Academy, Government of Bihar, 26<sup>th</sup> & 27<sup>th</sup> August 2017.
- Kazim, M., (2017), “Prof Lutfur Rahman Ki Tanqeedi Baseerat” at National Seminar on Professor Lutfur Rahman: Fan Aur Shakhshiyat, organised by Rahmani Foundation, Munger, Bihar, November 23, 2017.
- Kazim, M., (2017), Sir Syed Ahmad Khan Ke Khutoot, at a Three Day National Seminar on the occasion of Bi-Centenary celebration of Sir Syed Ahmad Khan, organised by Department of Urdu, Aligarh Muslim University, Aligarh, October 5-7, 2017.
- Kazim, M., (2017), “Median of Mass Communication and our society” & “Role of theater in our Society”, a series of Lectures in Orientation courses and Refresher courses for University & College teachers, organised by UGC – Human Resource Development Centre (Academic Staff College), B.P. S. Mahila Vishwavidyalaya, Sonapat, Haryana, 31 May 2017.
- Kazim, M., (2017), Research Methodology in Language & Literature, a series of Lectures in Refresher courses for University & College teachers, organised by UGC – HRDG (Academic Staff College), Gujrat University, Ahmadabad, Gujrat on 13th July 2017.
- Kazim, M., (2018), Shaista Yusuf Ke Sheri Jehaat, at a Two Day National Seminar on “Women’s Poetry in 20<sup>th</sup> Century: Socio, Cultural and Gender Dimensions”, organised by Department of Urdu, Maulana Azad National Urdu University, Hyderabad, March 5-6, 2018.
- Kazim, M., (2018), Ekiwein Sadimein Khudnawisht Sawaneh, at a Two Day National Seminar on “Auto biography: Art and Tradition”, organised by Lucknow Campus, Maulana Azad National Urdu University, March 13-14, 2018.
- Khan, I. A., (2017). Shamim Nikhat ki afsana nigari, Shua fatima trust, lucknow(national), 16-17 September, 2017.

Omais, S., (2017) "Kahkashan Tabassum Ka Sheri Imteyaz" in 3 day national women conference held on 23-25 September 2017, organised by Bihar Urdu Academy, Patna.

Omais, S., (2017). "Khwaja Ahmad Farooqui bi centenary" in one day national seminar on "Khwaja Ahmad Farooqui ke khotoot Gopi Chand Narang ke naam" held on 22 September 2017, organised by Sahitya Academy, Delhi.

Omais, S., (2017). "Popular of Urdu Language" in 3 day international conference on "Urdu Lok geet aur Khwateen" held on 8-10 September 2017 organised by Centre for Indian languages, JNU and Tasveer-e-Dard.

Omais, S., (2018) "Kaleemuddin Ahmad: Ek Bazyaft" in Two day national seminar held on 7 & 8 th February 2018, organised by Department of Urdu, PatnaUniversity.

#### **Number of M.Phil./Ph.D. Degrees Awarded**

Ph.D.: 15

M.Phil: 18

**Faculty Strength: 15**

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### **FACULTY OF COMMERCE AND BUSINESS COMMERCE**

#### **Major Activities and Achievements**

The 6<sup>th</sup> Annual International Commerce Conference (AICC) was organised by the Department of Commerce, Delhi School of Economics, University of Delhi and co-hosted by Academy of Indian Marketing on the theme, 'Digital Outreach and Future of Marketing Practices' on January 11-12, 2018. The conference was inaugurated with the benign presence of Chief Guest, Shri Ravi Shankar Prasad, Hon'ble Minister of Electronics & Information Technology and Minister of Law & Justice; Guests of Honor, Prof. Yogesh K. Tyagi, Hon'ble Vice Chancellor, University of Delhi and Ms. Vinita Bali, Former CMD Britannia Industries Ltd.; Distinguished Guests, Prof Pami Dua, Chairperson, Research Council and Director, and Prof. Jagdish Sheth, Emory University Atlanta, USA and Founder-Chairman, Academy of Indian Marketing (Conference Co-Chair); Prof Kavita Sharma, Head, Department of Commerce, Delhi School of Economics, and Dean, Faculty of Commerce and Business (Conference Chair).

A workshop on "Advances in Research Methods" was organised from 11<sup>th</sup> -12<sup>th</sup> April, 2017 by the Department of Commerce, Delhi School of Economics, University of Delhi. The workshop provided a platform to participants and academicians alike for sharing and learning the vast knowledge base of research. Prof. Pami Dua, Dear Research Council, University of Delhi, and Dr. Gipson Varghese from NSDC were the distinguished guests and Prof. Suraksha Gupta from New Castle University, UK was the eminent resource person.

Seminar on "Goods and Services Tax (GST): The Road Ahead" was organised on 28<sup>th</sup> February, 2018 in collaboration with PHD Chamber of Commerce and Industry. The aim of the seminar was to acquaint the audience with the opportunities and challenges of GST, along with the impact of GST on different stakeholders. The eminent speakers of the seminar included Dr. S. P. Sharma, Chief Economic Advisor, PHD Chamber of Commerce and Industry (PHDCCI); Mr. Sanjay Aggarwal, Chairman, Industry Affairs Committee, PHDCCI and Chairman & CEO, Paramount Communications Ltd., Mr. Shishir Sinha, Business Editor, Business Hindu Line.

Student Development Cell conducted a two-day HR conference - SYMPOSIA '18 from 15<sup>th</sup>-16<sup>th</sup> September, 2018 which witnessed around 32 senior leaders from the industry discussing over trending HR related topics.

Research Scholars of Department of Commerce Digitized the Academic Resource Centre of the Department. They helped in area wise classification of Thesis, Term Papers and Synopsis. It was done under the Supervision of Head, Prof. Kavita Sharma.

The Third International Day of Yoga was celebrated on 21<sup>st</sup> June, 2017 by the Department of Commerce, University of Delhi, Delhi with great enthusiasm. The session started while following Common Yoga

Protocol including Prayer, Loosening practices, Yogasanas, Kapalbhathi, Pranayams, Dhyan, Sankalp, Shanti Path and Pledge.

### **Honours/Distinctions**

#### **Faculty**

Prof. Kavita Sharma was invited as Session Chair for International Seminar organised by P.G. Department of Commerce, Utkal, University, Bhubaneshwar, Odisha on March 8th-9th, 2018.

Prof. Kavita Sharma was invited as Distinguished Guest during two days National Conference on “Emerging Dimensions of Indian Business & Economy: Pace & Pattern” organised by the Department of Commerce, Sri Aurobindo College on Feb. 23rd, 2018.

Prof. V K Shrotriya received Best Research Paper Award for the paper titled “*Inter-relationship between Employee Well-Being dimensions: A Study of Select Organizations*” presented during 4th National Conference on *Contemporary Reforms in Management, Economy and Applied Business* organised by Sri Guru Gobind Singh College of Commerce, University of Delhi, Delhi on 9<sup>th</sup> -10<sup>th</sup> February, 2018.

Dr. Niti Bhasin was nominated as ‘Special Invitee/Member’ of the Economic Affairs Committee, 2017-18 of the PHD Chamber of Commerce and Industry.

Dr. Amit Singh received Best Research Paper Award for the paper titled “*Effect of growth in Entrepreneurial Activities on Economic Growth: Evidence from India*” presented during XIII<sup>th</sup> International Conference on Business 2025: Driving Growth Through Strategic Innovation, Entrepreneurship and Digitization organised by Jagannath International Management School, PHD Chamber Kalkaji, New Delhi on 10<sup>th</sup> February, 2018.

### **Publications**

#### **National Publications**

Bhasin, Niti & Gupta, Surbhi. (2017). Reforms in International Monetary Fund (IMF): Challenges and the Road Ahead. *Management and Economics Research Journal*, 3, 110-120.

Dangi, H.K, Kumar, S. and Malik, Anuradha (2017). A Case Study on Supply Chain Management in Aravind Eye Care System. Accepted for publication in *Journal of Commerce & Business Studies*.

Kanojia, S, Singh D, & Goswami, A. (2018). An empirical analysis of the factors influencing individual investors in the Indian Stock market, 20(3). Kanojia S & Mahajan S, (2017). Testing Weak Form Efficiency of Asian Markets: An Empirical Evaluation. *Pacific Business Review International*, 10(5).

Sharma, Kavita & Kaur, Parminder. (2018). A Study of Paradox of Franchisor Franchisee Relationship. *Business Analyst*, 39(1).

Sharma J P, Kanojia S. & Kapoor N. (2018). Stakeholder’s perspective on electronic initiatives In Corporate Governance. *IUP Journal of Corporate Governance*, 17(1), [ISSN: 0972-6853]

Sharma, Kavita & Aswal Chandini (2017). Green purchase intentions, collectivism and materialism: An empirical investigation. *The Delhi University Journal of Humanities & Social Sciences*, Vol.4.

Sharma, Kavita et.al. (2018). Revisiting Environmental Kuznet’s Curve: An empirical analysis of India and China carbon emission’, *Hermeneutics- A biannual refereed International Journal of Business and Social Studies*, 7(1), 1-5.

Shrotriya, V. K. & Kalra, H. (2018). Herding in capital markets: A systematic literature review. In Proceedings of National Conference on *Rethinking Management Education in Digital Age*. Feb 10, Faculty of Management Studies, University of Delhi, (pp.139-158), Delhi: New Delhi Publishers.

Shrotriya, V. K & Dhanda, U. (2018). Trends and directions of employee engagement: Perspectives from literature review. *Asian Journal of Management*, 9(1), 69-79.

Shrotriya, VK & Dhanda, Upasana. (2017). Content Validity of Assessment Instrument for Employee Engagement. In Proceedings of International Conference on *Research and Business Sustainability*. December (16-17), 637-643.

Tripathi Vanita et. al. (2017). The evolving efficiency of Indian stock market. In *Emerging Issues and Challenges in Finance*, (pp. 1-10). New Delhi: Galgotia Publishing Company.

## International Publications

Bhasin, Niti & Garg, Shilpa. (2018). Does host country institutional quality act as a differentiator in intra-regional FDI? Evidence from selected Asian economies. *Foreign Trade Review*, 53(2), 81-97.

Bhasin, Niti and Aanchal Gupta. (2017). Macroeconomic Impact of FDI Inflows: An ARDL Approach for the Case of India. *Transnational Corporations Review*, 9(3), 150-168.

Sharma, Kavita. (2018). Sectoral Approach to Skills for Green Jobs in India. Chapter in *Changing the Indian Economy*. Elsevier Research Publications.

Shrotryia, V. K. & Krishna, Mazumdar (2017). History of Well-Being in South Asia. Chapter in *The Pursuit of Human Well-Being – The Untold Global History* (International Handbooks of Quality-of-Life) by RJ Estes & MJ Sirgy (eds.), Springer International Publishing Switzerland, pp349-38.

Shrotryia, V. K. (2017). Hungry People, Better Results - Unleash the Fire Within to Win Continually in Life by Deepak Malhotra, Bloomsbury, *Nice Journal of Business*, 12, 298.

Shrotryia, V. K. (2017). Effective People by TV Rao, Random House, India, *Nice Journal of Business*.

Tripathi, Vanita and Seth, Ritika. (2017). Exploring Market Efficiency Inter-Linkages and Volatility Transmission of Stock Markets across Vital Regions of the World. Chapter in *Financial System Reforms and Economic Growth-Issues and Challenges* by Pandey et. al. McGraw Hill Education (International Publisher) pp -147-170.

Tripathi, Vanita and Behl, Parul. (2017). Release of Company specific News and their corresponding impact on stock performance in book titled Digitization. *Entrepreneurship and Skilling –the future lies here*. Edited by Vaid et al. Bloomsbury Publications, pp. 331-346.

## Books

Bhasin, Niti & Lama, Sameer. (January 2018). *GST and Customs Law*. Taxmann Publications.

Singh, Amit Kumar and Shrivastava, Rohit (2017). Assessment of IPOs performance on NSE during 2010-2015. In *Emerging Issues in Commerce and Business Management*. All Clear Publications.

Singh, Amit Kumar (2017). *Emerging issues and challenges in finance*. Galgotia Publishing Company, India.

Singh, Amit Kumar (2017). *Contemporary areas of management and finance*. Galgotia Publishing Company, India.

## Journals Published by the Department

Journal of Commerce and Business Studies

## Faculty Members Serving as Editor(s)/ Members of Editorial Board

Prof. Kavita Sharma, Member, Editorial Review Board of Qualitative Market Research-An International Journal by Emerald, ISSN:1352-2752

Prof. Kavita Sharma, Member, Editorial Board, Journal of Business Studies, ISSN (Print) 0975-0150

Prof. V K Shrotriya, REVIEWER - Journal of Organizational Effectiveness: People and Performance

Dr. Sunaina Kanojia, Member, Editorial Review Board of "Amity Journal of Corporate Governance (AJCG), Amity University. ISSN: 2455-989X (Print); ISSN: 2456-1533 (Online).

Dr. Sunaina Kanojia, Member, Editorial Review Board of "Business Analyst", a Refereed Journal of Shri Ram College of Commerce. ISSN: 0973211X

Dr. Sunaina Kanojia, Member, Editorial Advisory Board, Envision, An International Journal of Commerce and Management, ISSN: 0973-5976

Dr. Sunaina Kanojia, Member, Editorial Board, "International Journal of Business Management and Environmental Sustainability". ISSN: 22492054

Dr. Amit Kumar Singh, Member of the Editorial Board of the International Journal "Research in Business Management", Macrothink Institute, Las Vegas, USA.

Dr. Amit Kumar Singh, Member of the Editorial Board of the "Journal of Business Studies", a Journal of Shaheed Bhagat Singh College, University of Delhi.

## Research Projects

UGC, “A Study of competitiveness and Export Performance of Indian Processed Fruit and Vegetable Industry”, Prof. Madan Lal.

ICSSR, “An analysis of Trade, Economic Growth and Poverty in India”. Prof. Madan Lal.

## Seminars/workshops/ special lectures Organised

Symposia, MBA (IB), an annual corporate conclave was organised on 8<sup>th</sup> September, 2018 by IISAC-MBA(IB) (Industry Interaction and Student Activity Committee), Department of Commerce, Delhi School of Economics. Spread across entire day with three sessions and a panel of experts from diverse backgrounds from industry and academia. It witnessed speakers including top management personnel from Coca Cola, Yamaha, Reliance and Snapdeal.

Satyawati college evening organised an inaugural cum orientation event in month of October and Prof. Kavita Sharma Inaugurated and Delivered the talk on the topic “Paradigm Shift in Marketing Variable”.

A seminar on “E-Marketing and Emerging Issues in Marketing” was organised on 22<sup>nd</sup> September, 2017 in Sri Guru Gobind Singh College of Commerce. Delegates from different colleges of Delhi University, IP University and business schools from Delhi, NCER participated.

Department of commerce Organised a special lecture on the Topic “An examination of business attitudes towards CSV in East Asia(Japan, Korea and China): What can this offer to India?” on 24th July 2017 in the Seminar Hall of the campus. Eminent speakers for the session wereby Dr. Rebecca Chunghee Kim (Professor and Deputy Director, Ritsumeikan Center for Asia Pacific Studies, Japan and Dr. Mohan V Avvari, Nottingham University Business School Malaysia.

## Special Lectures Organised:

S. no	Date	Name of the Guest	Company	Topic
1	22-07-2017	Ms. Ritika Choudhary	IKEA Group	Induction Week
2	24-07-2017	Mr. Easwaran Jayaram	Casablanka Consulting	How the students can make the leap from college life to working life.
3	02-08-2017	Abhiram Mishra	Reliance Retail Ltd.	Retail in India
4	04-08-2017	Karan Raj Gulshan	Asian Development Bank	Induction Week
5	11-08-2017	Sagar Jain	The Economic Times	Most Valuable Lessons from B-School.
6	12-08-2017	Mr. Nilajan Mukherjee	Relaxo Footwears Ltd.	It's not about the shoes. It's about what you do in them.
8	24-08-2017	Anirudh	Microsoft	How is Artificial Intelligence transforming the Corporate World
9	04-09-2017	Pankaj Pandey	Vyapat Consulting	Entrepreneurship, Leadership and Motivation.
11	15-09-2017	Ruchika Gupta	Bacardi	The Case Of Challenger Brand
12	16-09-2017	Kamalika Deka	Domino's	Budding managers focusing on cracking HR round in placements
13	18-09-2017	Mr. Varun Seth	Kraftshala	Reverse Marketing
15	27-09-2017	Mr. Vivek Verma	Rio Tinto	Workforce HR Analytics

## Conferences Organised

Synergy the Annual management fest of MBA (HRD & IB), 2018 a two-day management fest, with a plethora of events & competitions that encompassed various domains of management was organised from



15<sup>th</sup>- 16<sup>th</sup> February, 2018. It had activities like Launch Pad, Corporate Cracker, Quizzitch, Case-o-mania and some fun activities like IPL Bidding, Couch Potato etc.

The institute proudly hosted the 22<sup>nd</sup> Annual convention – ERUDITION’17 from 13<sup>th</sup> -14<sup>th</sup> October 2017. The theme was Innovative Solutions for Emerging Markets. Erudition provided a common platform to educationists, industrialists, entrepreneurs, financial gurus and students to share practical knowledge and put their insights on current on-goings in business globally.

#### **Seminar/Conference Presentations**

Prof. Kavita Sharma presented on the topic Personality Traits and Online Impulse Buying in 6th Annual International Commerce Conference 2018.

Prof. V.K Shrotriya served as Keynote Speaker in “National Conference on Innovation and Challenges in Indian Economy” at Maharaja Agrasen College, Vasundhara Enclave, Delhi, University of Delhi on 24th April 2017.

Prof. S.K Jain presented as Key Note Speaker on “Marketing Research” at the Faculty Development Programme on Marketing Research organised by Shyam Lal College (Eve), University of Delhi on August 21, 2017.

Dr. Shital Jhunjhunwala Co-presented a paper titled “Indian Investors disposition towards Shareholder Activism” at IMS, Ghaziabad on Feb 13, 2017.

#### **Placement Details (Number and percentage of students placed)**

MBA (IB) Formerly Known as MIB 2016-17 Batch, DOC, DU

Number and percentage of students placed: 37.80%

Number of Companies visited for campus recruitment: 31

MBA (HRD) Formerly Known as MHROD 2016-17 Batch, DOC, DU

Number and percentage of students placed: 29.70%

Number of Companies visited for campus recruitment: 36

#### **Number of M.Phil/Ph.D. Degrees Awarded**

Ph.D.: 17

M.Phil.: 11

#### **Faculty Strength**

Professors: 07

Associate Professors: 08

Assistant Professor: 01

Assistant Professor (Ad-hoc): 16

#### **Other Significant Information**

Special lecture by Kunal Kumud and Gautam Gopal from Talent Blazer on ‘Digital Marketing as Disruptive Innovation Tool’ was organised in October, 2017.

An Interactive session on the topic “An Examination Of Business Attitudes Towards CSV in East Asia” was undertaken by Dr. Rebecca Chunghee Kim, Professor And Deputy Director, Ritsumeikan Center For Asia Pacific Studies, Japan on 24<sup>th</sup> July, 2017.

#### **Guest Lectures organised:**

S.No	Date	Name of the guest	Company	Topic
1	17-10-2017	Ms. Kritika Prashant,	Mettle	The state of B2B Marketing and ways to market product market in a B2B set up
2	31-10-2017	Mr. Parimal Bhatnagar	Converge Design Solutions	Market Research: Data vs Experience
3	05-02-2018	Mr. Mohamed Abdelmeguid	Economist, London	Brand Building session
4	06-02-2018	Mr. Subroto Baul	South Asia Gap Inc	Aptitude for career in HR

5	16-03-2018	Mr. P.K Bidua	Ministry of Labour and Employment	The Contract Labour act and Wage Laws
6	21-03-2018	Ms. Mani Jain	Image Consultant	Soft skills training

Students celebrated Teachers Day on 5<sup>th</sup> September, 2017 to honour and express gratification to their teachers. The day was graced by the presence of Head of the Department, Prof. Kavita Sharma and faculty members who interacted with the students followed by a card distribution and cake cutting ceremony.

Orientation Programme was conducted for the new incoming batch of M.Com. MBA-IB and MBA-HRD in July 2017.

Orientation programme for M.Phil. Batch XLI and Ph.D. Batch of Feb, 2017 and August 2017 was held on 11th September 2017.

Academic Resource Centre of the Department. was digitized with the help of Research Scholars of Department of Commerce and area wise classification of Thesis, Term Papers and Synopsis was made.

Vigilance Awareness Week was celebrated from October 30, 2017 to November 4, 2017. A debate on the topic “Can India be Corrupt free Nation” was organised. A Diwali Celebration Event was organised by the ESAC Team before the Diwali Holidays. This event had a Diya Decoration Competition and Ethnic Wear Day.

Industrial visits to the Corporate Head Office of Wave Group, Noida and Factory of Vikas Publications Factory, Sahibabad (under S.Chand Group) were organised for the students.

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## FINANCIAL STUDIES

### Major Activities and Achievements

#### Annual Convention

The Department of Financial Studies conducted its XXX Annual Convention on the theme: “Thrusts and Challenges in the Indian Financial Sector: The way forward’, on September 23, 2017 at Hotel Shangri-La, New Delhi. The Convention was inaugurated by Shri Vijay Goel, Minister of State for Parliamentary Affairs, Statistics & Programme Implementation and Mr. Anshul Jain, CMD, Cushman & Wakefield was Guest of Honour. Mr. Sebastien Chanetelot, Director, Group ESC Pau, France was Special Guest.

#### Publications

Ahmad, W., & Sehgal, S. (2017). Business Cycle and Financial Cycle Interdependence and the Rising Role of China in SAARC. *Journal of Quantitative Economics*, 1-26.

Babbar, S., & Sehgal, S. (2018). Mutual Fund Characteristics and Investment Performance in India. *Management and Labour Studies*, 0258042X17745183.

Dawar, V., Arrawatia, R., Chaudhury, A., & Varma, A. (2018). Relative Valuation Methodologies: A Practical Perspective. *The Management Accountant Journal*, 53(2), 75-81.

Dutt, M., & Sehgal, S. (2018). Domestic and International Information Linkages between Gold Spot and Futures Markets: An Empirical Study for India. *Metamorphosis*, 0972622518761745.

Pandey, P., & Sehgal, S. (2018). Dynamic Currency Linkages and Their Determinants: An Empirical Study for East Asian Economic Community Region. *Emerging Markets Finance and Trade*, 54(7), 1538-1556.

Sehgal, S., & Babbar, S. (2017). Evaluating alternative performance benchmarks for Indian mutual fund industry. *Journal of Advances in Management Research*, 14(2), 222-250.

Sehgal, S., & Agrawal, T. J. (2017). Bank Risk Factors and Changing Risk Exposures in the Pre-and Post-financial Crisis Periods: An Empirical Study for India. *Management and Labour Studies*, 42(4), 356-378.

Sehgal, S., Mathur, S., Arora, M., & Gupta, L. (2018). Sovereign ratings: determinants and policy implications for India. *IIMB Management Review*.

Sehgal, S., Pandey, P., & Deisting, F. (2018). Time varying integration amongst the South Asian equity markets: An empirical study. *Cogent Economics & Finance*, 6(1), 1452328.

Sehgal, S., Pandey, P., & Diesting, F. (2017). Examining dynamic currency linkages amongst South Asian economies: An empirical study. *Research in International Business and Finance*, 42, 173-190.

Sehgal, S., Pandey, P., & Deisting, F. (2018). Stock market integration dynamics and its determinants in the East Asian Economic Community Region. *Journal of Quantitative Economics*, 16(2), 389-425.

### **Research Projects**

Indian Council of Social Science Research (ICSSR), “*Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues*”, for two years, 2015-2017 Prof. Sanjay Sehgal.

### **Seminars Organised**

Department of Financial Studies in association with Department of Humanities and Social Sciences, IIT Kanpur, organised a One-Day Research Seminar on “Financial Integration in the South Asian Region” under ICSSR Sponsored Research Project: “Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues” on April 1, 2017. The speakers at the seminar were: Prof Prabir De, Research and Information System for Developing Countries (RIS), New Delhi, Prof Sanjay Sehgal, Department of Financial Studies, University of Delhi, Prof Somesh K Mathur, Humanities and Social Sciences Department, IIT Kanpur, Dr. Sushil Kumar (RIS) and Prof. Shahid Ahmed (JamiaMiliaIslamia), Sarthak Agrawal and Tanya Sethi (SRCC, Economics Hons Students), Amrita Roy and Somesh K. Mathur (IIT Kanpur), Mr. Piyush Pandey and Ms. Sakshi Saini Department of Financial Studies, University of Delhi.

### **Seminar/Conference Presentations**

Prof. Sanjay Sehgal

“Dynamic Currency Linkages and Their Determinants: An Empirical Study for East Asian Economic Community Region” with Piyush Pandey: Paper presented and chaired session at 24th Annual Conference of the Multinational Finance Society, Bucharest, Romania, June 25-28, 2017

“Examining Dynamic Interdependencies among Major Global Financial Markets” with Sakshi Saini and Florent Deisting: Paper presented at 13th Annual Conference on Economic Growth and Development, Indian Statistical Institute, Delhi, India, December 18 - 20, 2017

“Role of China in South Asian Financial Market Integration: An Empirical Study” with Piyush Pandey and Sakshi Saini: Paper presented at Fifth PAN IIM World Management Conference, IIM Lucknow, U.P., India, December 14 - 16, 2017

“Dynamics of Short and Long Term Debt Market Integration in the South Asian Economies” with Piyush Pandey and Sakshi Saini: Paper presented at India Finance Conference (IFC) 2017, IIM Bangalore, December 20-22, 2017

### **National/International MoUs signed**

The Department has proposed signing MoUs with:

- i. The Bucharest University of Economic Studies, Romania
- ii. Strathclyde Business School, University of Strathclyde
- iii. University of Western Sydney, Australia
- iv. National Institute of Financial Management
- v. Finance Industry Development Council
- vi. Pike Learning Solutions

### **Placement Details (Number and percentage of students placed)**

Number of Students placed - 31 (out of 31) = 100%

Number of companies visited for campus recruitment - 19

### **Number of M. Phil/Ph.D. Degrees Awarded**

Ph.D. – 8

### **Faculty Strength**

Permanent – Nine

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**FACULTY OF EDUCATION**  
**DEPARTMENT OF EDUCATION**

**Major Activities and Achievements**

Our first batches of the 2 year B Ed and M Ed programmes passed out in July, 2017. 89 students got their B.Ed. degree, 49 students got their M.Ed. degree. Likewise, 19 Scholars were awarded the M.Phil. degree in the course of the year and 12 scholars received their Ph.D. degrees in the University Convocation.

Under the aegis of the Institute of Advanced Studies scheme of the Dept. sponsored by the Ministry of Human Resource Development, our faculty organised national level conferences, seminars, symposia and workshops in which there was wide participation from students, scholars and academics from across the country. The themes included: Inclusive Pedagogy, Diversity, Art and Aesthetics, Issues in Plagiarism and citation in Research Writing, Language Education, Science Education, Mental Health, Comparative Education, Approaches to Educational Research, International Comparative Education, Teacher Education, Psychosocial Perspectives in Education and Films as a Pedagogic Tool. In addition, in-service teacher education workshops were conducted in Research Methods and Mathematics Education for DIET Educators and a workshop was organised for Mentor Teachers in Delhi Government Schools in Educational Management. The Department was also able to develop resource material in Foundations of Education and in some Pedagogic areas like Mathematics and Social Science Education for Elementary and Secondary Teacher Education Programmes for SCERT Delhi.

A very significant achievement has been the setting up of an Enabling Unit for students with disabilities. The aim of this unit is to facilitate the learning of students with disabilities. At present, we are addressing the needs of about 25 students, across courses and programmes of study. Besides assisting students in academics, the Unit also tries to generate awareness among youth and develop sensitivity towards issues related to persons with disabilities.

The Department stood **First** in the India Today Ratings of best institutions for studies in Education and also obtained a high rank in the NIRF ranking of Universities.

Our departmental website gives full details and information about all that we do. It is extremely user friendly and can also be accessed by visually challenged students. So anyone requiring more information about our programmes and activities can visit our website. Professor Avijit Pathak addressed the gathering at our Foundation Day. This year our website got a new web address <http://www.doe.du.ac.in> at par with other Departments of the University of Delhi to distinguish it from the colleges.

**Honours / Distinctions**

Lakhyani, S. (March, 2018). *Delhi city merit certificate for painting in Kalanand Art Contest 2018*, organised by Prafulla Dahanukar Art Foundation.

**Publications**

Batra, P. (2018). Imperatives of Comparative and International Education: Some Reflections from the South. In *Annual Review of Comparative and International Education 2017* (pp. 75-83). Emerald Publishing.

Chander, S. (2017). *Learning Teachers: Diversity, Inclusion and Ethics*. New Delhi: Kanishka Publications.

Chander, S. (2017). *Teaching Science to Learners with Visual Impairment*. Delhi: SR Publishing House, [ISBN: 9789382884330].

Chennat, S. & Lakhyani, S. (Eds.) (2018). *Redefining disability through arts*. Delhi, India, Global publications.

Chennat, S. & Lakhyani, S. (Eds.) (2018). *Redefining disability through arts*. Delhi, India. Global publications.

Chennat, S. (2017). Field Observation and Internship of Pre-Service Teacher Education Curriculum: Points for Reflection. *International Journal of Multidisciplinary Educational Research*. 6/8(3).

Chennat, S. (2017). Review of School Worlds: An Ethnographic Study by Ms. Anuradha Sharma. In *The Book Review*.

Gandhi, H. (2018). Understanding children's meanings of randomness in relation to random generators. In Batanero C., Chernoff E. (Eds). *Teaching and Learning Stochastics. Advances in Probability Education*. ICME 13 Monograph, 181-200, Cham: Springer.

- Gandhi, H., Dewan, H. & Ahuja, A. (2018) Searching for didactical negotiations in mathematics textbooks. *Voices of teachers and teacher educators*, NCERT. 6(2), NCERT: New Delhi
- Kanvaria, V.K. & Ashra, N. (2018). Educational Psychology: A Way-out for Innovative Teaching-learning. In S. Sangwan, M. Kumar & A.Kumar (Eds.), *Educational psychology: Laying horizon in teaching-learning process*. Meerut: Aman Publishing House.
- Kanvaria, V.K. & Gupta, N. (2017). Theatrical aesthetic activities in learning of mathematics. *Meethaq: International Journal of Humanities*, 2395132x, 3(2), 22-28
- Kanvaria, V.K. & Gupta, N. (2017). Turning schools smarter: The smart school way. In S.K. Panda (Ed.), *Creating beautiful school for learner*. Delhi: Ankur Book Distributors.
- Kanvaria, V.K. & Gupta, P. (2017). Edmodo, concept attainment and mathematics: Structuring a research. *Vidyawarta: International Multilingual Research Journal*. 19(7), 21-27.
- Kanvaria, V.K. & Gupta, P. (2017). Theoretical underpinnings for Edmodoing the teaching-learning. *Printing Area: International Research Journal*, 32(9), 15-20.
- Kanvaria, V.K. & Kukreja, D. (2018). Educational cyberspace: The prospects for higher education in India. In S.K. Panda (Ed.), *Higher education in India: Opportunities and challenges*. Delhi: Ankit Publications.
- Kanvaria, V.K. & Nagpal, B. (2017). Parental involvement in school: An overview. In S.K. Panda (Ed.), *Creating beautiful school for learner*. Delhi: Ankur Book Distributors.
- Kanvaria, V.K. & Nagpal, B. (2018). Education in 21st Century: Innovations and initiations in India. *AITEA International Journal of Education and Humanities*, 2231380X, 7(14), 16-22.
- Kanvaria, V.K. & Nagpal, B. (2018). MOOC: A tool for digitalization of teacher training programmes. In P. Kaul (Ed.), *Teacher education: Emerging perspectives* (15-27). New Delhi: Adhyayan Publishers & Distributors.
- Kanvaria, V.K. & Payal (2018). Learning with ICT: Use and barriers from teachers' perceptions. *International Journal of Recent Scientific Research*, 9(1). [ISSN: 09763031].
- Kanvaria, V.K. (2017). *A resource book on pedagogy of mathematics*. New Delhi: Scholar Publishing House.
- Kanvaria, V.K. (2017). Adhyapak-shiksha ke antargat dwivarsheey shiksha snaatak paathyakram ka swaroop aur prabhaav. *Pariprekshya*, 24(1), 47-64.
- Kanvaria, V.K. (2017). Professional development of teacher educators: ICT educational resources for learning, teaching and capacity building. In S.K. Panda (Ed.) *Preparing human teacher for diverse society*. Delhi: Saad Publications.
- Kanvaria, V.K. (2018). Challenges faced by teachers in an ICT equipped classroom. *International Journal of Innovative Studies in Sociology and Humanities*, 3(4), 1-4
- Kanvaria, V.K. (2018). Educational technology: Misconceptions among pre-service teachers and pre-service teacher educators. *Jamia Journal of Education: An International Biannual Publication*, 4(2), 67-76
- Kanvaria, V.K. (2018). Shiksha me takniki ki samajh evam naveen prayog. *Bhartiya Aadhunik Shiksha (NCERT)*.
- Kanvaria, V.K. (2018). Socially disadvantaged groups, education and role of ICT. *The Sociology Teacher*, 7(2), 28-37
- Kanvaria, V.K. (2018). Teaching for concept attainment in mathematics: Traditional methods versus using information and communication technology. *Staff and Educational Development International*.
- Kanvaria, V.K. (Ed.) (2018). *Academic writing, anti-plagiarism and citations*. Delhi: Shipra Publications.
- Kanvaria, V.K. (Ed.) (2018). *ICT for education: A few concepts and researches*. Delhi: New Delhi Publishers, 9789386453433
- Kumar, S. (2017). *Reader in Social Theory of Education*. Delhi: Research Media.
- Kumar, S. & Saxena, V. (2018). *Psychological and Sociological Perspective in Diversity and Inclusion*. Delhi: Kanishka Publication House.
- Kumar, S. (2017). *Bridging Home and School*. Delhi: Global Books Publication.
- Kumar, S. (2017). Naitik Evom Samvegatmak Vikas Mein Media Ki Bhumimka, *Adhunik Bhartiye Shiksha*, 5.

- Kumar, S. (2017). Saidhantik Pariprekshon se Khatra: Shodh ke vishesh Samdharbh mein adhyayan, *Vidyawarta*, 08, 153-156.
- Kumar, S. (2017). *Social Science and Pedagogy*. Delhi: Pearson.
- Kumar, S. (2018). *Psychosocial Perspectives in Education*. Delhi: Kanishka Publication House.
- Kumar, S. (Co-author) (2017). Play: It's Meaning and Significance in Childhood, *The Communications*, 25(2).
- Kumar, S., Kumar, L. & Gautam, K.A. (2017). *Teaching of Hindi*. Delhi: Pearson.
- Lakhyani, S. (2017). *Promoting expression through art education*. Delhi, India: Global publications.
- Lakhyani, S. (2018). Art, values and teacher education. In D. Parimala (Ed.), *Higher education in India: Challenges and possibilities*, (pp. 250 -255). Delhi, India: Kanishka.
- Lakhyani, S. (2018). Art: A process of creativity. In J. Chawla (Ed.), *Golden beads: Contemporary Indian art (2nd ed.)*, (pp. 292-293). Delhi, India: Wisdom Society of Creative Arts.
- Mao, A. K. & Raju, P.M. (2017). Death Anxiety among Urban Indian Graduate Students. *International Journal of Multidisciplinary Educational Research*. 6(12(5)), 290-304.
- Raju, P.M. (2017). Ethiopian Beginner Teachers' Commitment to Teaching Profession: Its Significant Antecedents. *International Journal of Multidisciplinary Educational Research*. 6(5(3)), 94-114.
- Raju, P.M. (2017). Teachers' Perceived Social Support and Commitment to Teaching Profession: An Exploratory Study. *International Journal of Multidisciplinary Educational Research*. 6(7(6)).
- Ray, R. & Raju, P.M. (2017). Attitude towards Euthanasia among Ethiopian health professionals and its relationship with their Death Anxiety. *International Journal of Multidisciplinary Educational Research*. 6(9(4)), 157-172.
- Saxena, V. (2017). Democratizing Teaching-Learning Spaces in Higher Education. *The Communications*, 25(1).
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 5: Including Children with Hearing Impairment. MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module5.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 1: Inclusive education, MHRD India UKaid World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module1.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 2: Including children with Autism. MHRD India UKaid World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module2.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 3: Including Children with Cerebral Palsy MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module3.pdf>
- Saxena, V. (2017). World Bank Group: Education Global Practice. *Toolkit for master trainers in preparing teachers for inclusive education for children with special needs* Module 4: Including Children with Deaf blindness MHRD India UKaid. World Bank Group. Retrieved from <http://ssashagun.nic.in/docs/module4.pdf>
- Saxena, V. (Co-Ed) (2018). *Psychological and Sociological Perspectives in Diversity and Inclusion: An anthology for Researchers and Practitioners*, Kanishka Publishers.
- Singh, P.K. & Gandhi, H. (2018). Establishing a community of participation in a primary mathematics classroom: An action research. In S. Ladage & S. Narvekar (Eds.), *Proceedings of epiSTEME 7 — International Conference to Review Research on Science, Technology and Mathematics Education*, (pp.314-322). India: Cinnamon Teal
- Singh, S & Raju, P.M. (2017). Voices of Senior Secondary School Teachers in Delhi about Continuous and Comprehensive Evaluation or Board Exam for Class-X. *International Journal of Multidisciplinary Educational Research*. 6(12(5)), 191-209.

## Journals

Number of Department teachers serving as Editor(s) / Member(s) of Editorial Board: **39**

### Seminar Organised

Behari, A. (2018). Seminar on Environment: Its Antecedents, Assessment & Possibilities 17 February under the aegis IASE MHRD held at Department of Education, University of Delhi.

Gandhi, H. & Sharma, Y. (2018). Seminar on Reflecting on Teacher Education Programmes Scenario 8 & 9 March under the aegis IASE MHRD held at Department of Education, University of Delhi.

Narang, N. & Bala, R. (2018). National Seminar on Language, Literacy & Gender in the Contemporary Scenario on 2 February under the aegis IASE MHRD held at Department of Education, University of Delhi.

Rampal, A. (2018). Seminar on Education for Sustainable Development: Negotiating the Curriculum 30 January under the aegis of IASE MHRD held at Department of Education, University of Delhi.

Saxena, S. (2018). Seminar on Science Education under the aegis IASE MHRD held at Department of Education, University of Delhi.

Saxena, V. (2018). National Seminar (Under the aegis of IASE MHRD India) on Diversity Democracy and School, February 2-3 at Department of Education, University of Delhi

### Conferences Organised

Chander, S. (2017). National Conference on Inclusion Issues Challenges and Possibilities being organised at Lady Irwin College. 10th - 11th October.

Chander, S. (2017). National Conference on Learning. Organised at Lady Irwin College. April.

Kanvaria, V.K. (Director) (2018). International conference on ICT for education, Sponsored by the IASE-MHRD, New Delhi, 27 January.

Kumar, S. (2017-2018). Conference / Workshop on Chapter 2: Exploring Psychosocial Perspectives in Education 30 December, 6 January & 10 March under the aegis IASE MHRD held at Department of Education, University of Delhi.

Sinha, S. (2018). Organised a two day National Conference on Writing in School: Processes, Practices, and the Writer. Funding obtained by IASE/MHRD (60000, and 2 lakhs from ONGC.

### Seminar / Conference Presentations

Chennat, S. (2018). Invited as Speaker of a session on Gender Sensitivity in Teacher Education in International Seminar on Teacher Education: Social Concerns at Loka Manya Tilak Training College, Dabok, Udaipur, Rajasthan. 27<sup>th</sup> April.

Batra, P. (2017). Invited speaker at Seminar on *Teacher Education Curriculum: Sharing Experiences on Recent Reforms*, Azim Premji University, Bangalore. 6<sup>th</sup> November.

Gandhi, H. (2017). Chaired a session New Learning Environments, Including Spaces for Learning Instructions in 4th Annual Conference on Aligning Education Systems to the Challenges of the Future held at Shyama Prasad Mukherji College. University of Delhi. 8-10 November.

Kanvaria, V.K. (2017). Vidyalayi shikshak chayan: Maanakta ek mithak. Presentation given in the National Seminar on School Shiksha ke Badalte Paridrishya men Adhyapan-karm ki Rooprekha, AUD, Delhi and APU, Bengaluru. 25<sup>th</sup> May.

Kanvaria, V.K. (2017). Digitization of teaching-learning process. Presentation given in the International Conference on Role of Digitalization in Sustainable Development: A Global Perspective, MDU, Rohtak. 16<sup>th</sup> September.

Kanvaria, V.K. (2017). Perceiving ICT in science education through facilitators' eyes. Presentation given in the National Seminar on Science Education, RIE, Ajmer. 22<sup>nd</sup> November.

Kanvaria, V.K. (2017). Emerging challenges in education: A quest for better future. Presentation given in the National Seminar on Quality as a Goal of Education and Education as a Goal of Quality: A Thrust of MHRD, Amity University, Noida. 15<sup>th</sup> December.

- Kanvaria, V.K. (2017). Past, present and future of Indian policies: A technological retrospective. Presentation given in the National Seminar on Quality as a Goal of Education and Education as a Goal of Quality: A Thrust of MHRD, Amity University, Noida. 15<sup>th</sup> December.
- Kanvaria, V.K. (2018). ICT for evaluation in higher education and professional development. Presentation given in the International Conference on ICT for Education, DU, Delhi. 27<sup>th</sup> January.
- Kanvaria, V.K. (2018). Striving for sustainable excellence in education using technology: Past, present and future. Presentation given in the National Seminar on Transition in Teacher Education in Global Perspective: Rethinking, Redesigning and Revitalizing, AIE, Greater Noida. 24<sup>th</sup> February.
- Kumar, S. (2017). Inaugural Address: Knowledge Recognition and Research: A Fear from Theoretical Frameworks, at National Seminar on Inclusive and Qualitative Expansion of Higher Education in Haryana. 15<sup>th</sup> October.
- Kumar, S. (2017). Paper presented: Open Margins: Diversity among Homosexuals in Urban India, at International Conference on Urban Spaces and Gender: Exploring Gender, Marginalization and Equity in Urban Spaces in Asia Pacific, India Habitat Center at New Delhi. 1 -2 November.
- Kumar, S. (2017). Paper Presented: Grounded Theory: A Research Perspective, at Psychosocial Perspective in Education: An Exploration through Action Research and Grounded Theory Research, Department of Education, University of Delhi. 30<sup>th</sup> December.
- Kumar, S. (2018). Invited talk: Bridging Home-School at National Conference on Diversity, Democracy and School, Department of Education, University of Delhi. 2<sup>nd</sup> February.
- Lakhyani, S. (2017). Invited for the solo painting exhibition on *Celebrating Hope II* [Exhibition catalogue] at Nehru Centre London, under the aegis of ICCR, Cultural wing of High commission of India in London. 14-18 August.
- Lakhyani, S. (2017). Exhibition in group show *Sixteen: Group of contemporary of artists* [Exhibition catalogue] at Lalit Kala Academy, New Delhi, India. 10-16 December.
- Lakhyani, S. (/2017). Essayed Exhibition Catalogue: Essayed the exhibition *Sixteen: group of contemporary artists* [Exhibition catalogue] at Lalit Kala Academy, New Delhi, India. 10-16, December.
- Lakhyani, S. (2018). Exhibition in group show *All India Exhibition of Paintings and Sculptures by Contemporary Artists of India* [Exhibition catalogue] Artizen Art Gallery New Delhi, India: Wisdom Society of Creative Arts. 13-15 January.
- Lakhyani, S. (2017). Exhibition in the International Exhibition on Art organised by St. Petersburg Stieglitz Academy of Arts and Design, at St. Petersburg, Russia. 13 March- 7 April.
- Sinha, S. (2017). Bringing Research and Policy Together in Early Language and Literacy. (Panel Discussion). National Conference on Early Language and Literacy organised by Ambedkar University Delhi, and TISS Hyderabad.
- Sinha, S. (2018). Overview: Writing in the Indian Classroom. Paper presented in the National Conference on Writing in School: Processes, Practices, and the Writer. University of Delhi, Delhi.
- Sinha, S. & Kunwar, N. (2018). What are Children Writing: Analysis of Sixth Grade Paper presented in the National Conference on Writing in School: Processes, Practices, and the Writer. University of Delhi, Delhi. Notebooks.
- Saxena, V. (2017). Session Chair on Learner, Diversity and Culture at Third National Conference on Learning: Education and Culture at Lady Irwin College, University of Delhi 20<sup>th</sup> April.
- Singh, P.K. & Gandhi, H. (2017). Learning Repeating Patterns in the Backdrop of A Story- A Case Of Grade 2 Students. 4th Annual Conference on the theme "Aligning Education Systems to the Challenges of the Future held at Shyama Prasad Mukherji College. University of Delhi. 8-10 November.
- Singh P.K. & Gandhi, H. (2017). Storytelling as Conduit of Mathematics Learning: A Case of Grade 2 Children in 8th Annual International Conference of Comparative Education Society of India (CESI) on Criticality, Empathy and Welfare in Contemporary Educational Discourses at P.G. Department of Education, University of Jammu, Jammu. 16-18, November.
- Surya P. & Gandhi, H. (2017). An analysis of discourses of a typical middle grade mathematics classroom in the National Seminar on Mathematics Education, held in Shillong. 21-22, December



Singh P.K. & Gandhi, H. (2018). Establishing a community of participation in a primary mathematics classroom: An action research in the Seventh International Conference to Review Research on Science, Technology and Mathematics Education (episteme-07) held at Homi Bhabha Centre for Science Education, Mumbai. 5-8, January.

#### Number of Ph.D. / M.Phil. awarded

Ph.D.	:	12
M.Phil.	:	19

#### Faculty Strength

Professor	-	5
Associate Professor	-	8
Assistant Professor	-	26

#### Other Significant Information

The department has its own website <http://www.doe.du.ac.in> which is updated almost every day. The website is visually and hearing challenged-friendly and maintained by a highly dedicated team. It is highly enriched with the information bearing the titles Home, About Us, Faculty, Academics, Students, Scholars, Colloquium/Viva, Admissions, IQAC, Resources, CIE Staff, CIE Alumni Website, Honour Board, Infrastructure & Facilities, Useful University Links, Useful Web Links, Annual Report, Special Web Resources for Visually & Hearing Challenged, Anti-Ragging, Anti Smoking, SC/ST/OBC Grievance Cell, Students' Grievance Redressal and North East Student Grievance and Contact Us. The website is explored regularly by all the students, constituent colleges and faculty members. The department has a vigilant Anti-ragging cell as per UGC guidelines. The department also maintains a school attached with it, namely CIE Experimental Basic School which works under direct guidance and supervision of the departmental authority. The school has a very optimal teacher-student ratio especially as compared to other schools in Delhi.

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### FACULTY OF INTERDISCIPLINARY AND APPLIED SCIENCES

#### BIOCHEMISTRY

#### Major Activities and Achievements

The Department successfully completed the second year of the UGC-SAP programme in the area of development of molecular strategies to combat various human diseases and organised a symposium on this subject that included poster presentation, essay writing and quiz competitions. Several seminars by experts were organised in the department round the year. A live demonstration of *C. elegans* under microscope was organised and the reputed publisher Springer-Nature was invited to deliver seminar on publication opportunities for students and college teachers in a day-long symposium. The department organised an educational tour to IISER Mohali, IMTECH (Chandigarh) and Guru Nanak Dev University (Amritsar). The department celebrated Yoga Day inviting a yoga specialist for lecture followed by demonstration of yoga postures, where every member of the department spontaneously participated. The department launched a fully functional and highly informative website, the first of its kind in the department's history. For NAAC evaluation, the department successfully prepared self-assessment reports, brochure and comprehensive presentation and submitted all necessary documents. The revision of syllabus for Master's Biochemistry programme as per CBCS guidelines was initiated. Faculties were engaged in high-end research towards understanding and developing strategies to combat cancer, malaria, cardiovascular diseases, tuberculosis and leishmaniasis.

#### Publications

13 research papers were published during 2017-2018.

Chowdhury, K., Sharma, A., Kumar, S., Gunjan, G.K., Nag, A., and Mandal, C.C. (2017). Colocynth Extracts Prevent Epithelial to Mesenchymal Transition and Stemness of Breast Cancer Cells. *Front Pharmacol*, 85-93. DOI:10.3389/fphar.2017.00593.

Gupta, A., Venkataraman, B., Vasudevan, M., and Gopinath, B.K. (2017). Co-expression network analysis of toxin-antitoxin loci in Mycobacterium tuberculosis reveals key modulators of cellular stress. *Science Report*. 7(1), 58-68.

John, R., Atri, Y., Chand, V., Jaiswal, N., Raj, K., and Nag, A. (2017). Cell cycle-dependent regulation of cytoglobin by Skp2. *FEBS Letters*. 591(21), 3507-3522.

- Kaur, S., Nag, A., Singh, A.K., and Sharma, K. (2018). PPAR $\gamma$ -targeting potential for radioprotection. *Current Drug Targets*. DOI: 10.2174/1389450119666180131105158.
- Mukhi, N., Kundu, S., and Kaur, J. (2017). No dioxygenase- and peroxidase-like activity of *Arabidopsis* phytooglobin 3 and its role in *Sclerotinia sclerotiorum* defense. *Nitric Oxide*. 68, 150-162
- Nandi, D., Cheema, P.S., Jaiswal, N., and Nag, A. (2017). FoxM1: Repurposing an oncogene as a biomarker. *Seminars in Cancer Biology*. DOI:10.1016/j.semcancer.2017.08.009.
- Punchaichira, T.J., Dey, S.K, Mukhopadhyay, A., Kundu, S., and Thelma, B. K. (2017). Characterization of SNPs in the dopamine- $\beta$ -hydroxylase gene providing new insights into its structure-function relationship. *Neurogenetics* 18, 155-168.
- Rohilla, A., Khare, G. and Tyagi, A.K. (2017). Virtual Screening, pharmacophore development and structure based similarity search to identify inhibitors against IdeR, a transcription factor of *Mycobacterium tuberculosis*. *Scientific Reports*. 7, 46-53
- Rohilla, A., Khare, G. and Tyagi, A.K. (2018). A combination of docking and cheminformatics approaches for the identification of inhibitors against 4'phosphopantetheinyl transferase of *Mycobacterium tuberculosis*. *RSC Advances*. 8(328).
- Shankar, A, Fernandes, J.L., Kaur, K, Sharma, M, Kundu, S. and Pandey, G.K. (2018). Rice phytooglobins regulate responses under low mineral nutrients and abiotic stresses in *Arabidopsis thaliana*. *Plant Cell Environ*. 41(1), 215-230. DOI: 10.1111/pce.13081. [I.F. 6.17].
- Sharma, B., Jamdar, S.N., Ghosh, B., Yadav, P., Kumar, A., Kundu, S.... Makde, R.D. (2017). Active site gate of M32 carboxypeptidases illuminated by crystal structure and molecular dynamics simulations. *Biochim Biophys Acta-Proteins and Proteomics*. 1865, 1406-1415.
- Singh, S., Khare, G., Kar, R., Ghosh, P.C. and Tyagi, A.K. (2018). Identification of *Mycobacterium tuberculosis* BioA inhibitors by using structure based virtual screening. *Drug, Design Development and Therapy* 12:1065
- Yadav, U., Arya, R., Kundu S. and Sundd, M. (2018). The 'recognition helix' of the type II Acyl Carrier Protein (ACP) utilizes an 'ubiquitin interacting motif (UIM)' like surface to bind its partners. *Biochemistry*. 2018 Jun 5. Doi: 10.1021/acs.biochem.8b00220. [Epub ahead of print]

## Journals

Two teachers (Prof. Suman Kundu and Prof. Alo Nag) served as Editorial Board Members and one of them (Prof. Suman Kundu) is serving as Editor-in-Chief of Journal of Proteins and Proteomics (A journal of the Proteomics Society, India)

## Research Projects

Four new projects were sanctioned in the department, which received a total grant of Rs.125.28 lakhs during 2017-18. Faculty members of the department received a total of Rs.30,83,914/- as UGC-SAP II department project during 2017-18.

CSIR, "Unraveling the Role of HPV16E7 Oncoprotein in Manipulating FoxM1 Activity via APC/C-Cdh1 Axis" June 2017-June 2020, Rs.32.75 lacs.

DBT, "Identification, design and characterization of peptides to disrupt hADA3-E6 interaction for HPV induced cervical cancer therapy" Jan 2018-Dec 2020, Professor Alo Nag, Rs.64.3 lacs.

DBT, "Screening Lead Molecules Identified by Structure-based Rational Drug Design Methods against Cytochrome b5 Reductase 3 and Dopamine Beta Hydroxylase in Spontaneously Hypertensive Rat Models for Antihypertensive Effects", 22.06.2018 – 21.06.2021, Prof. Suman Kundu, 25.6 lakhs.

UGC-DAE Consortium for Scientific Research, , "Understanding the structure of Leishmania major Phosphopantetheinyl Transferase (Lmj PPTase) and its interaction with cognate ACP", 01.04.2018 – 31-03-2019, Prof. Suman Kundu, Rs 2,63,400.

## Patents Filed/Granted

### National Patents - 03

Indian patent (ID 201711016131) entitled “Novel anti-malarial liposomal formulation” on February 15, 2018 (Inventors: Prahlad Chandra Ghosh, Alo Nag, Mohsin Raza, Aakriti Singal and Hina Bharti).

Provisional Indian Patent (ID 201711036983) entitled “Novel Anti-hypertensive Dopamine  $\beta$ -hydroxylase (DBH) Inhibitors” on October 18, 2017 (Inventors: Suman Kundu, B.K. Thelma, Pankaj Prabhakar, Sanjay Kumar Dey).

Provisional Indian Patent (ID 20181100589) entitled “A Novel Anti-hypertensive Cardio-protective Composition” on February 16, 2018 (Suman Kundu, B.K. Thelma, G. Kovuru, Pankaj Prabhakar, Sanjay Kumar Dey).

### Seminars Organised

Total Number: **19 (Details of 10 outlined below)**

“Tiny Machines, Big Tasks”, Prof. Roop Mallik, Department of Biological Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai, 21st February 2018.

“Drug Development: From Design to Market”, Prof. Subir Kumar Maulik, Department of Pharmacology, AIIMS, New Delhi, 19th January 2018.

“Novel tumor suppressors identified from a genomic screen of pancreatic cancer regulate chromatin remodeling and epithelial cell apico-basal polarity”, Dr. Murali D. Bashyam, CDFD, Hyderabad, 17th November 2017.

“Post transcriptional repair of a split Hsp90 gene from *Giardia lamblia*”, Conference on “Strategies to Combat diverse Human Diseases” held at UDSC, New Delhi, Prof. Utpal Tatu, IISc, Bangalore, 13th November 2017.

“*Caenorhabditis elegans* as a powerful alternative model to study bacterial pathogenesis”, Conference on “Strategies to Combat diverse Human Diseases” held at UDSC, New Delhi, Prof. K. Balamurugan, Alagappa University, Tamil Nadu, 13th November 2017.

“Influenza virus capsid disassembly: how a hard nut cracks itself for its genome release during cellular entry”, Dr. Indranil Banerjee, Department of Biological Sciences, IISER, Mohali, 11th November 2017.

“Mitochondrial Defects in Parkinson’s Disease”, Dr. Manoj Kumar, Johns Hopkins University, School of Medicine, Baltimore, Maryland, USA, 10th October 2017.

“HIV Biology, Pathogenesis and Gene Therapy”, Dr. Akhil C. Banerjee, NII, New Delhi, Dr. Yellapragada Subba Row Memorial Lecture 2017 (Hosted by Department of Biochemistry, UDSC), 28th July, 2017.

“Insights from imaging the implanting embryo and the uterine environment in three dimensions”, Dr. Ripa Arora, College of Human Medicine, Michigan State University, USA, 1st August 2017.

### Conferences Organised

Symposium on “Strategies for insight, detection and intervention of human diseases” held on 7<sup>th</sup> March, 2018 funded by UGC through SAP programme.

Symposium on “Strategies to Combat Diverse Human Diseases”, held on 13<sup>th</sup> November, 2017, funded by DU-DST Purse Grant

### Seminar/Conference Presentations

Invited talk by Prof. Alo Nag “*Revealing the Oncogenic Tricks of HPV – Way to New Therapies*” in the workshop – Molecular Techniques in Cancer Research organised by National Institute of Cancer Prevention and Research, Noida, UP on April 20, 2017.

Invited talk by Prof. Alo Nag “*Hacking the viral tricks to treat Cervical cancer*” in the 7<sup>th</sup> International Conference on Translational Cancer Research on “Cancer Prevention and Treatment: From Ancient Medicine to Modern Medicine”, from February 8-11, at Chennai, India.

Invited talk by Prof. Alo Nag “*Understanding the complexities of HPV oncogenesis to devise new treatment strategies*” in the 11<sup>th</sup> symposium on ‘Frontiers in Biomedical Research’. Theme: *Challenges In Human Health: Prevention, Diagnosis and Cure* from 19-21 February, 2018, ACBR, Delhi University, India.

Invited talk by Prof. Alo Nag “*Cell cycle dependent regulation of tumour suppressor Cytoglobin by Skp2*” in the 11<sup>th</sup> symposium on ‘Cancer Prevention and Treatment’ from 9-10 February, 2018, JNU, India.

Invited talk by Prof. Alo Nag “*Novel ways of perturbing oncogenic interactions for cancer therapy*” in the International Conference on "Cell Death in Cancer and Toxicology" from 20-22 February, 2018, CSIR-IITR, Lucknow, India.

Poster presentation: Yama Atri, Rince John and Alo Nag, 2017, Third best poster presentation award in Women Ph.D. category. Role of Skp2-Cytoglobin Axis in Cell Cycle Control. 86th Annual Conference of Society of Biological Chemists on 'Emerging Discoveries in Health and Agricultural Sciences', 16th-19th November, JNU, New Delhi.

Poster presentation: Simran Kaur, Anshoo Gautam, Alo Nag and Kulbhushan Sharma, 2017, Best poster award (First prize) in Women Ph.D. category. The Protective Role of Immunomodulatory Cytokines against Lethal Dose of Radiation *in vitro* and *in vivo*. 86th Annual Conference of Society of Biological Chemists on 'Emerging Discoveries in Health and Agricultural Sciences', 16th-19th November, 2017, JNU, New Delhi, India.

Hina Bharti, Aakriti Singal, Mohsin Raza, Prahlad C. Ghosh and Alo Nag. (2017). Biochemical and Biophysical Portraying of *Plasmodium* Cardinal Deubiquitinase: Pfuchl3at 86th Annual Conference of Society of Biological Chemists on "Emerging Discoveries in Health and Agricultural Sciences" held on 16-19 November 2017 at JNU, New Delhi, India.

Poster presentation: Pradeep Singh Cheema, Deeptashree Nandi, Neha Jaiswal, Sanjay Dey, Suman Kundu and Alo Nag. (2017). Discovery of Novel Inhibitors Against FoxM1 as Promising Anti-cancer Therapeutics at 86th Annual Conference of Society of Biological Chemists on "Emerging Discoveries in Health and Agricultural Sciences" held on 16-19 November 2017 at JNU, New Delhi, India.

Invited as resource person, XXVI Quality Improvement Programme for teachers of AICTE (AICTE approved), DIPSAR, Push Vihar-Saket, 12th March to 16th March, 2018 (talk on 16<sup>th</sup> March, 2018)., Title of Talk – “Drug Discovery: A Humble Initiative”

Review & Dissemination Meet, May Measurement Month (MMM2017), organised by Public Health Foundation of India (PHFI), International Society of Hypertension and World Hypertension League at India International Centre. Invited as Resource Person for Hypertension Campaign and Speaker, March 15th, 2018

“Structure-based Drug Discovery to Combat Cardiovascular Diseases”, as Invited Speaker in the session “Drugs : Discovery, Delivery and Challenges” in National Conference on Diseases and Drugs: Emerging Trends and Challenges, 31<sup>st</sup> Jan-1<sup>st</sup> Feb, 2018, Zakir Hussain Delhi College, University of Delhi (talk on 1<sup>st</sup> Feb, 2018).

“The Charm of Biochemistry: Scope, Applications and Research Prospects” as Invited Speaker in Shaheed Rajguru College for Women, Delhi University, Feb 2, 2018

“Potential anti-hypertensives identified by structure-based methods – synthetic molecules and plant extracts”, as Invited speaker in the session “Newer aspects of CVD” in Annual Meeting and International conference on “Heart Failure: An update on Advances in Research and Treatment” by International Society of Heart Research – Indian Section (ISHR 2018), 16<sup>th</sup>-18<sup>th</sup> February, 2018 in Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India (talk on 18<sup>th</sup> Feb, 2018)

“Structure-based Drug Discovery to Combat Cardiovascular Diseases” as Invited Speaker in Daulat Ram College, Delhi University Feb 20, 2018

“Promising Tale of Structure-Based Drug Discovery: Dopamine Beta Hydroxylase as a Target to Combat Hypertension”, as Lead Speaker of the session in 86<sup>th</sup> Conference of Society of Biological Chemists “Emerging Discoveries in Health and Agricultural Sciences”, 16<sup>th</sup>-19<sup>th</sup> November, 2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India (talk on 18<sup>th</sup> Nov, 2017).

Invited Talk, “Towards New Drugs for High Blood Pressure and Cardiac Hypertrophy: An Heartening Initiative”, in Biosparks 2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi, March 31, 2017.

Invited Talk, “Engineering Unprecedented Heme Stability in Hemoglobins to Facilitate Use of Artificial Blood Substitutes”, in National Symposium cum Bioinformatics Workshop on Current Trends in Proteomics and Bioinformatics, Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh, March 16, 2017

Invited Talk, “From a Chemical Reaction to Media Reaction: A Protein Driven Journey”, Key Note Talk, Current Trends in Protein Chemistry, Amity University, Gurgaon, March 2, 2017.

Invited Talk, “Towards New Drugs for High Blood Pressure and Cardiac Hypertrophy: An Heartening Initiative”, in National Science Day Symposium, Feb 27-28, 2017, S.P. Jain Centre Auditorium, University of Delhi South Campus, New Delhi 110021 (talk on Feb 27<sup>th</sup>, 2017)

#### **Other Inter-Institutional Collaboration**

Prof. Alo Nag is collaborating with Dr. Mausumi Bharadwaj, National Institute of Cancer Prevention and Research, Noida, UP on Host and Viral gene interaction and their regulation during development of Cervical cancer and identification of pre-diagnostic markers of Cervical cancer (2016-2020).

Prof. Alo Nag has been collaborating with Dr. Kulbhushan Sharma, Institute of Nuclear Medicine and Allied Sciences, Delhi on Radioprotective role of immunomodulatory cytokines (2015-2018).

Prof. Alo Nag has collaboration with Dr. Chandi Mandal, Central University of Rajasthan, Rajasthan on Malignant and Stemness properties of Breast cancer cells (2016-2019).

Prof. Alo Nag has initiated collaboration with Dr. Ellora Sen, National Brain Research Centre for Deciphering the role of FoxM1 in Glioblastoma (GBM) tumorigenesis (2017-2019).

Prof. Alo Nag has a collaborative project with Dr. Ravindra Varma Polisetty, Sri Venkateshwara College, New Delhi on Deciphering the tumor suppressor function of miRNA in glioblastoma (2016-2019).

#### **Placement Details (Number and percentage of students placed)**

12 M.Sc. students and 5 Ph.D. students (100%) opted for higher education (Ph.D., B.Ed., Post-doctorate etc.)

#### **Extension and Outreach Activities**

May Measurement Month (May 2017). Blood pressure of ~3600 individuals measured for free in several locations in Delhi including both North and South Campus, along with counselling and advice for maintenance of normal blood pressure. About 15 students from the department participated in the campaign.

#### **Number of M.Phil./Ph.D. Degrees Awarded**

Ph.D. : 02

M.Phil. : 01

#### **Faculty Strength:**

Permanent: 05

#### **Other Significant Information**

Prof. D.P. Sarkar was appointed as the Director, IISER Mohali.

Prof. P. C. Ghosh superannuated after 30 years of glorious service to the department.

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### **BIOPHYSICS**

#### **Major Activities and Achievements**

Prof. Subhendu Ghosh is working on Membrane Biophysics, in particular, ion channels and neuro-biophysics. The experiments involve electro-physiological methods, e.g. single-channel recording, patch-clamp. A special emphasis is given on learning, memory (cognition) and mathematical & computational neuroscience. Dr. Manisha Goel (Assistant Professor) works on crystallographic structure determination and Bioinformatics. Her laboratory has recently solved several structures of bacterial Gamma-glutamyltranspeptidase in complex with various known inhibitors and several other proteins like Arf from *Chlamydomonas*. Dr. Manish Kumar's lab is interested in understanding the principles governing protein sequence-structure-function correlation, genome annotation and evolution of antibiotic resistance in microbes.

#### **Publications**

A total of 6 research papers/ book chapter were published during 2017-2018 by the faculty of the Department. List of publications is as follows:

Garg, A., Kumari, B., Kumar, R. and Kumar, M. (2017) miPepBase: A database of experimentally verified peptides involved in molecular mimicry. *Frontiers in Microbiology, section Microbial Immunology*, 8, 20-53. Doi: 10.3389/fmicb.2017.02053.

Kaushik V., Verma V. V., and Goel, M. (2017). Functional divergence and comparative in-silico study of Cas4 proteins of DUF83 class. *J Mol Recognit*. 31 (5), 26-94. doi:10.1002/jmr.2694. Epub 2017 Dec 15

Kumar, R., Kumari, B. and Kumar, M. (2017). Proteome-wide prediction and annotation of mitochondrial and sub-mitochondrial proteins by incorporating domain information. *Mitochondrion*, pii: S1567-7249 (17) 30032-6. Doi: 10.1016/j.mito.2017.10.004.

Sharma A, Rani S, Goel M. (2017). Navigating the structure-function-evolutionary relationship of CsaA chaperone in archaea. *Crit Rev Microbiol*. 44 (3), 274-289. Doi: 10.1080/1040841X.2017. 1357535. Epub 2017 Sep 15.

Srivastava, A. and Kumar, M. (2018). Prediction of Zinc Binding Sites in Proteins using Sequence Derived Information. *Journal of Biomolecular Structure & Dynamics*, Jan 15, 1-11. Doi: 10.1080/07391102.2017.1417910.

Ghosh, S. (2017). Biophysical Chemistry. In H.K. Das (Ed.), Textbook of Biotechnology, (5<sup>th</sup> Ed.), (131-148). Wiley.

### Research Projects

ICMR, *Exploring the role of Hsp70 (DnaK, DnaJ, & GrpE) in protein folding diseases: using archaea as model system*, 01-July-2017 to 30-June-2020, Dr. Manisha Goel, ~ 50 lakhs.

### Seminars Organised

Prof. Tyll Krueger, Institute of Computer Engineering, Control & Robotics, Wroclaw University of Science & Technology, Poland, Models of Tumour Growth & Metastasis Formation, 20<sup>th</sup> February, 2018.

Prof. Vladimir Ubersky: Department of Molecular Medicine, University of South Florida, Tampa, Florida USA. Unusual Biophysics and Strange Biology of Intrinsic Disorder, 13<sup>th</sup> December 2017.

Biophysics Colloquium takes place twice in a month, where researchers (students/ post-doctoral fellows/ faculty members) of the department present talks. This program started from December, 2017.

### Seminar/Conference Presentations

“How Repeated Signals help Learning a Pattern: The Neural Mechanism” at Frontiers of Research in Speech & Music, NIT Rourkela, 15-16 December, 2017 by Prof. Subhnedu Ghosh

Prof. Subhendu Ghosh Chaired a session in Music Cognition Symposium (India-Finland), IIIT Hyderabad, 24-25 March, 2018.

### Other Inter Institutional Collaboration

Prof. Subhendu Ghosh has collaboration with IIT Bombay (Dept. of Bioscience & Bioengineering), IIT Madras (Dept. of Biotechnology), IIT Delhi (School of Biological Sciences).

### M. Phil./ Ph. D. Awarded

M.Phil. awarded : 1

Ph.D. awarded : 1

### Faculty Strength

Permanent : 3

### Other Significant Information

Prof. Subhendu Ghosh visited Technical University of Dresden as a Visiting Research Scientist during October 25 to November 3, 2017.

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## ELECTRONIC SCIENCE

### Major activities and achievements

The Department runs two PG courses namely, M.Tech. in Microwave Electronics and M.Sc. in Electronics. Besides these courses, the faculty members are actively engaged in research as well as supervision of research leading to the Ph.D. degree in the field of optical electronics, semiconductors, microwaves and microelectronics. This year, the department has 43 publications in reputed journals and 20 conference presentations. In this year, 54 PG students are passed and 4 Ph.D. degrees are awarded. 47% M.Tech. and 25% M.Sc. passed students are placed and 11% students joined for higher studies. Prof. Enakshi K. Sharma was visited Arctic University of Norway at Tromso, Norway, 26-30 June 2017. Prof. Mridula Gupta received IEEE EDS best Chapter of the year award in 2017. Annual visitors programme and Alumni meet are organised on 24 March, 2018. Students of M.Tech. and M.Sc. went an educational trip to DEAL and IRDE, Dehradun.

### Publications

Kohli, N., Sharma, E. K., and Rahman, B. M. A. (2017). Improved design for SOI based evanescently coupled multilayer spot-size converter. *Journal of Optical and Quantum Electronics*. 49(229), 01-16.

Baliyan, A., Usha, S. P., Gupta, B. D., Gupta, R., and Sharma, E. K. (2017). Localized surface plasmon resonance-based fiber-optic sensor for the detection of triacylglycerides using silver nanoparticles. *Journal of biomedical optics*. 22(10), 01-09.

Sharma, U., Kumar, M., Sharma, R., Saha, T., Jain, K. K., Dutta, S., and Sharma, E.K. (2017). Fabrication process induced changes in scattering parameters of meander type RFMEMS shunt switch. *Microsystem Technologies*. 23(12), 5561-5570.

Sital, S., and Sharma, E. K. (2017). Surface Plasmon Modes of Dielectric-Metal-Dielectric Waveguides and Applications. *IOSR Journal of Electronics and Communication Engineering*. 12, 08-19.

Soni N., Singh, N., Kapoor, A., and Sharma, E. K. (2018). Low-Resolution Image Recognition Using Cloud Hopfield Neural Network. *Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing*. 563, 39-46.

Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) p-n-i-n TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Analytical Model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 64(4), 1742-1750. DOI:10.1109/TED.2017.2668520.

Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) pnin TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.

Kumar, M., Haldar, Gupta, S., Mridula, and Gupta, R. S. (2017). Ambipolarity Reduction in DMG Asymmetric Vacuum Dielectric Schottky Barrier GAA MOSFET to Improve Hot Carrier Reliability. *Superlattices and Microstructures*. 111, 10-22.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Modeling and Simulation Investigation of Sensitivity of Symmetric Split Gate Junctionless FET for Biosensing Application. *IEEE Sensor Journal*. 17(15), 4853-4861.

Dubey, A., Narang, A., Saxena, R., Gupta, M., and Mridula. (2018). Modeling and Simulation of Junctionless Double Gate Radiation sensitive FET (RADFET) Dosimeter. *IEEE Transaction on Nanotechnology*. 17(1), 49-55.

Kumar, M., Haldar, Gupta, S., Mridula, and Gupta, R. S. (2017). Cylindrical Gate All Around Schottky Barrier MOSFET with Insulated Shallow Extensions at Source/Drain for Removal of Ambipolarity: A Novel Approach. *Journal of Semiconductors*. 38(12).

Pratap, Y., Kumar, M., Kabra, S., Haldar, Gupta, S., Mridula and Gupta, R. S. (2017). Analytical Modeling of Gate around Junction Less transistor based biosensors for detection of neutral bio-molecule species. *Journal of Computational Electronics*. pp. 1-9.

Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Modeling of Gate Underlap Junctionless Double Gate MOSFET as Biosensor. *Material Science and Semiconductor Processing*. 71, 240-251

- Sachin, Kumari, Vandana, Singh, Sanjeev, Saxena, Manoj Gupta and Mridula. (2018). Reconnoiter the leavening of Skin deep Insulated Extension on Analog Performance of Ring FET (SDIE-RingFET). *AEU-International Journal of Electronics and Communication*, 83, 67-72.
- Trivedi, N., Kumar, M., Haldar, S., Deswal, S. S., Gupta, M. and Gupta R. S. (2017). Charge Plasma technique based doping less accumulation Mode Junction Less Cylindrical Surrounding Gate MOSFET: analog Performance Improvement. *Applied Physics A*. 123, 564.
- Kumari, V., Kumar, A., Saxena, M., and Gupta, M. (2018). Empirical Model for Non-Uniformly Doped Symmetric Double Gate Junction less (NU-DG-JLT) Transistor. *IEEE Trans. on Electron Device*. 65(1), 314-321.
- Kumari, V., Kumar, A., Saxena, M., and Gupta, M. (2018). Study of Gaussian Doped Double Gate Junction Less (GD-DG-JL) Transistor Including Source Drain Depletion Length: Model for Sub-threshold Behaviour. *Superlattices and Microstructure*. 113, 57-70.
- Narang, U., Saxena, R., Gupta, M., and Mridula. (2017). Drain Current Model for Double Gate (DG) p-n-i-n TFET: Accumulation to Inversion Region of Operation. *Superlattices and Microstructures*. 104, 78-92.
- Narang, A., Saxena, R., Gupta, M., and Mridula. (2017). Analytical model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 64(4), 1742-1750, DOI: 10.1109/TED.2017.2668520.
- Maddaka, R., Park, B., Kim, M. D., Peta, K. R., Chinh, N. D., Kim, D., ..... G. Murali. (2018). H<sub>2</sub>, H<sub>2</sub>S gas sensing properties of rGO/GaN nanorods at room temperature: Effect of UV illumination. *Sensors and Actuators B*, 264, 353-362.
- Chandrakalavathi, T., Peta, K. R., R., and Jeyalakshmi. (2018). Enhanced UV photoresponse with Au nanoparticles incorporated rGO/Si heterostructure. *Materials Research Express*. 5, 025011.
- Peta, K. R. and Kim, M. D. (2018). Leakage Current Transport Mechanism under Reverse Bias in Au/Ni/GaN Schottky Barrier Diode. *Superlattices and Microstructures*. 113, 678-683.
- Kumari, R., Singh, F., Yadav, B. S., Kotnala, R. K., Peta, K. R., Tyagi, P. K., ..... Puri, N. K. (2017). Ion irradiation-induced, localized sp<sup>2</sup> to sp<sup>3</sup> hybridized carbon transformation in walls of multiwalled carbon nanotubes. *Nuclear Inst. And Methods in Physics Research B*. 412, 115-122.
- Singh, J., Prasad, N., Peta, K.R., and Bhatnagar, P.K. (2017). The role of multilayer graphene in the improved electrical and optical characteristics of a P3HT-based photovoltaic device. *Materials Research Express*. 4, 085-101.
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- Patel, K. and Sharma, P. (2018). Application of RLGC modeling in probing the electrical properties of monolayer graphene at microwave frequencies. *Journal of Electromagnetic Waves and Applications*. 1422441.
- Singh, P., Neha, and Patel, K. (2018). Investigating the effects of graphene-based superstrate on characteristic of microwave filters. *Journal of Electromagnetic Waves and Applications*. 1429952.
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- Patel, K. and Tyagi, P. K. (2018). Dielectric and absorption properties of as-grown Bilayer and Single layer graphene at the microwave frequencies. *Materials today: proceedings*. 5, 15261-15266
- Sharma V. K., Madaan D., and Kapoor, A. (2017). Extremely Short Length and High Extinction Ratio Plasmonic TE Mode Pass Polarizer. *IEEE Photonics Technology Letters*. 29 (7), 559-562.



Sharma S., Chaudhary S., and Kapoor, A. (2017) Structural and optical properties of thermally treated CdO thin films deposited on ITO coated glass substrates for photovoltaic applications. *Journal of Sol-Gel Science and Technology*, 1-7.

Shokeen P., Jain, V., Gupta, V., and Kapoor, A. (2017). Multilayer silver nanoparticles embedded in graded-index dielectric layers. *Optical Materials* 66, 29-34.

Shokeen P., Jain A., Kapoor, A. (2017). Plasmonic ZnO/p-silicon heterojunction solar cell. *Optical Materials*. 67, 32-37.

Saini B., Adhikar S., Pal, S., and Kapoor, A. (2017). Polarization compensation at low p-GaN doping density in InGaN/GaN pin solar cells: Effect of InGaN interlayers. *Superlattices and Microstructures*. 107, 127–135.

Saini R., Kumar M., Kumar, A., Bhatt, G., Khanna, M. K., and Kapoor A. (2017). Analysis of Silicon Clad Optical Waveguide for High Extinction Ratio TE/TM Pass Polarizers using Resonant Coupling between Guided Modes and Lossy Modes. *ISOR Journal of Electrical and Electronics Engineering*. 59-64.

Kumar A., Rakesh, Kumar M, Bhatt G., M. K., Kapoor A. (2017). Spectral interrogation of ZnO thin film for lossy mode resonance sensors. *Advance Science Letters*.

Chetna, Kumar, S., Garg, A., Chowdhuri, A., Dhingra, V., Chaudhary, S., and Kapoor, A. (2017). Zinc oxide doped graphene oxide films for gas sensing applications. *AIP Conference Proceedings*. 1728(1), 020579.

Sharma S., Kashyap J., Gupta, S., Natasha, and Kapoor, A. (2017). Effect of aluminum and yttrium doping on zinc sulphide nanoparticles. *AIP Conference Proceedings*. 1728(1), 020697.

Madaan, D., Kaur, D., Sharma, V. K., and Kapoor, A. (2017) TE and TM pass integrated optic polarizers. *AIP Conference Proceedings*. 1728(1), 020209.

Madaan, D., Kaur, D., Sharma, V. K., and Kapoor, A. (2017). High angular sensitivity thin film tin oxide sensor. *AIP Conference Proceedings*. 1728(1), 020210

## Journals

Number of Department teachers serving as Editor(s)/member(s) of Editorial Board: 2

(Prof. Avinashi Kapoor, Invertis Journal of Renewable Energy and Dr. Kamlesh Patel, MAPAN-Journal of Metrology Society of India)

## Research Projects

S. No.	Funding Agency	Year/Period	Title	Amount Sanctioned
1	UGC	2015 - till date	Physics Based Modeling and Simulation of Channel Material Engineered Ring FET for Sensing Applications (Prof. Mridula Gupta: PI)	Rs.13.93 Lakh
2	CSIR	2017 - till date	Modeling and Simulation of Gate Electrode Engineered and Dielectric Pocket steep Sub-threshold Swing Device for Low Power Digital Circuit Design and Optical Applications (Prof. Mridula Gupta: PI)	Rs.25 Lakh

## Seminar Organised

Open House Project Presentation organised by IEEE WIE-Delhi on April 29<sup>th</sup>2017 at Delhi University, South Campus (Prof. Mridula Gupta).

MiniColloquia organised by IEEE EDS-Delhi chapter On “Insights of Emerging Nanoscale Research Devices” on December 11, 2017 at Maharaja Agrasen Institute of Technology (Indraprastha University), Plot No. 1, Sector-22, PSP Area, Rohini, Delhi, 110086 ( Prof. Mridula Gupta).

“Workshop on VLSI Current Trends Using Mentor Graphics & Xilinx” jointly organised by Department of Electronic Science University of Delhi South Campus and CoreEL TECHNOLOGIES (Technically sponsored by IEEE EDS Delhi Chapter) on 21-22 March, 2018 at University of Delhi South Campus (Dr. Harsupreet Kaur).

### Seminar/Conference Presentations

Baliyan A., Dhingra N., Sharma E.K. (2017). Fiber between two concatenated long period gratings as an interferometric sensor: analysis and optimization. Workshop on Recent Advances in Photonics, Mahindra EcoleCentrale, Hyderabad, India.

Dhingra N., Anand J., Saxena G.J., Sharma E.K. (2018). Pulse repetition rate multiplication by Talbot effect in a coaxial fiber. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Dhingra N., Song J.C., Ghosh S., Zhou L., Rahman B.M.A. (2018). Design of phase change Ge<sub>2</sub>Sb<sub>2</sub>Te<sub>5</sub> based on-off electro-optic switch. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Kohli N., Srivastava S., Sharma E.K. (2018). Novel analytical approach for strongly coupled waveguide arrays. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Baliyan A., Usha S.P., Gupta B.D., Sharma E.K. (2018). Surface plasmon resonance based fiber optic sensor for the detection of triacylglycerides utilizing Ag/ZnO nanorods/lipase enzyme. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Sital, S., Sharma, E.K. (2018). Numerical method for analysis of multilayer surface plasmon waveguides and devices. SPIE Photonics West, The Moscone Center San Francisco, California, United States.

Soni N., Sharma E.K., Singh N., Kapoor A. (2018). Impact of Artificial Intelligence on Business”, Digital Innovations, Transformation, and Society Conference 2018 (Digits 2018), International Conference jointly organised by Birla Institute of Management Technology (BIMTECH), India and University of Maryland, USA at India Habitat Centre, New Delhi, India.

Soni N., Sharma E.K., Singh N., Kapoor A. (2018). Success of Optical based Networks for Deep Learning, Computing for Sustainable Global Development. 5<sup>th</sup> IEEE International Conference organised by Institute of Computer Applications and Management (BVICAM), Paschim Vihar, Rohtak Road, New Delhi.

Sharma, E.K., Dhingra, N. (2018). Talbot Effect in Time Domain for Pulse Repetition Rate Multiplication. Optics and Photonics theory and Computational Techniques, IIT Roorkee, India.

Gupta, M., (2017). Faculty Development Program on “Recent Trends in Applied Science Teaching FDP-RTAST” Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Delhi, 21 -27 July 2017.

Gupta, M., (2017). 2<sup>nd</sup> International Conference on “Telecommunication and Networks”, Amity University, Noida, 10 -11 August 2017.

Gupta, M., (2017). Invited Technical Talk on “Cellular Communication System Evaluation: 1G-5G” at Poornima University Jaipur, 13 September 2017.

Gupta, M., (2017). 17<sup>th</sup> International Conference of “Women Engineers and Scientists” at Pullman Hotels and Resorts, New Delhi Aerocity, 5 – 6 Oct. 2017.

Gupta, M., (2017). Invited technical talk on “Extending the scaling limits of Non-conventional Field Effect Transistor” at IIT Roorkee on 6 Oct. 2017.

Gupta, M., (2017). Invited technical talk on “CMOS Based Devices for Dosimetric Applications” at IIT Delhi during IWPSD-2017 on 11-15 Dec. 2017.

Gupta, M., (2017). Invited technical talk during National Seminar on Recent Developments in Electronic Materials and Devices at Maharaja Agrasen Institute of Technology, IP University, 10 Nov- 11 Nov. 2017.

Gupta, M., (2018). Keynote talk on “DC Characteristics of AlGaIn/GaN HEMT Devices with B<sub>0.7</sub>GaN Back Barriers” at Karunya University, Coimbatore, during 16 – 17 March, ICDCS-2018.

Mehta, H., Kaur, H. (2017). Design Space Optimization for Nanoscale Graded Channel Negative Capacitance (GCNC) SOI MOSFET for Improved Device Performance and Temperature Resilience”, NANOFIM 2017 (Nanotechnology for Instrumentation and Measurement Workshop), Gautam Buddha University, Greater Noida, Uttar Pradesh, India, from 16-17 November, 2017.

Mehta, H., Kaur, H. (2017). Analytical Model to Study the Impact of Ferroelectric Materials SBT/PZT on Elliptical Gate All Around Junctionless Transistor, IEEE TENSYP 2017 – “Technologies for Smart Cities”, Cochin, Kerala, India, 14-16 July, 2017.

Patel, K, (2017). Estimation of optical effective mass of photon in single and bilayer graphene in the microwave frequency range. 10th National Conference on Solid State Chemistry and Allied Areas (ISCAS 2017), Delhi, 01-03 July 2017.

#### Students under Exchanged Programme

Nikhil Dhingra at City, University of London from 2017, January to 2017, June under Erasmus Mundus Intact programme.

Niharika Kohli at Carleton University, Canada from 2018 February till date under Shastri Indo-Canadian programme.

#### Placement Details (Number and percentage of students placed)

Number and percentage of students placed:

Course	Number	Percentage
M.Tech. (Microwave Electronics)	9 (3 DRDO Sponsored)	47 %
M.Sc. (Electronics)	8 (4 higher studies)	25%

Number of companies visited for campus recruitment : 1 (T-Silicon, Bengaluru)

#### Extension and Outreach Activities (Prof. Enakshi K.Sharma & Mr. Amit Birwal).

Annual visitors programme & Alumni meet on 24<sup>th</sup> March 2018

Speaker -1 Mr. Anuj Mathur, Aricent, Gurgaon

Speaker-2 Dr. P K Gupta, Visiting Professor, IIT Delhi (formerly at RRCAT, Indore)

Speaker-3 Dr. Mahesh Abegaonkar, IIT Delhi

Educational Trip

From 4- 7<sup>th</sup> March 2018 at DEAL and IRDE, Dehradun

#### Numbers of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 04

#### Faculty Strength

Permanent : 07

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### GENETICS

#### Major Activities and Achievements

The faculty members have made notable scientific contributions. Research work from Prof. A. K. Pradhan's group has developed some CMS-based and GM-based productive hybrids, several lines with improved quality and white rust resistance in mustard. Prof. B. K. Thelma's group has successfully completed the screening of 200,000 newborns for inborn errors of metabolism with collaborators from over 20 hospitals in Delhi state, and thereby generated the first ever epidemiological data in the country for these disorders. They have also discovered several novel genes and SNPs associated with neurodegenerative brain disorders and intellectual disabilities. Prof. M.V Rajam's recent work has led to the identification and characterization of around 17 novel genes vital for viral and fungal pathogenesis in tomato; and metamorphosis of insect pests of tomato, brinjal and cauliflower, and using RNAi-mediated silencing of these genes, they have demonstrated their potential for crop protection. Prof. P.K Burma's group has analysed tapetum specific promoter A9 from *Arabidopsis thaliana*, which led to the identification of transcription factors AtMYB80, AtMYB1 and AtMYB4 involved in positive and negative regulation of the promoter. Dr. S. Sarkar group has discovered several novel genetic suppressors to ameliorate the pathogenesis of human neuro-degenerative disorders and have also demonstrated the essential role(s) of *globin* gene in development. Dr. Jagreet Kaur's group have used set of geographically diverse *Arabidopsis* accessions (140 accessions) to uncover the genetic architecture underlying resistance to *Alternaria brassicae*, which can potentially help in developing resistant crops. Dr. Tapasya Srivastava's group have demonstrated a role of TET proteins in regulating cancer stem cell formation

of glioma cells in hypoxia, and established SNP rs16969968 as a strong predictor of nicotine dependence and lung cancer risk in our north Indian cohort, in complete contrast with those of Asian countries. The group have also established inhibin as a paracrine factor for metastasis and angiogenesis in ovarian cancer cells. Dr. Aruna Devi Naorem's group is working towards understanding the role of prolyl isomerization by Parvulins, and reported that PinA, a *D. discoideum* homolog of *S. cerevisiae* Ess1 is important for growth and development. Dr. Kaustuv Datta's group has identified a GTPase localized to the mitochondrial ribosomes that is likely to respond to changes in ATP/ADP ratio and regulate cells ability to carry out respiration. They have also identified a separate GTPase that aids in joining of large and small mitochondrial ribosomal subunits.

### Honours / Distinctions

Dr. Surajit Sarkar has been awarded the DBT- Innovative Young Biotechnologist Award -2017 (IYBA-2017).

Prof. M. V. Rajam has been selected as a member of the National Advisory Board of the 'Sir Richard Roberts Centre for Genetically Modified Organisms', Amity University since 2017.

Prof. M. V. Rajam has been selected as member, Research Advisory Committee, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi

Prof. B. K. Thelma has been selected as an expert member, Task Force in HGGA and Basic molecular biology, DBT (2017-2018).

Prof. B. K. Thelma has been selected as an expert member, Task Force in Basic research in modern biology, DBT (2017-2020).

Dr. Surajit Sarkar has been selected as an expert member of Neuroscience Task Force, Department of Biotechnology, DBT (2017-2020).

### Publications

Chanu, S. I. and Sarkar, S. (2017). Targeted downregulation of dMyc restricts neurofibrillary tangles mediated pathogenesis of human neuronal tauopathies in *Drosophila*. *Biochim Biophys Acta*, Vol 1863, 2111-2119.

Chanu, S. I. and Sarkar, S. (2017). Targeted downregulation of dMyc suppresses pathogenesis of human neuronal tauopathies in *Drosophila* by limiting heterochromatin relaxation and tau hyperphosphorylation. *Mol Neurobiol*, 54, 2706-2719.

Chaudhuri, Z., John, J., Aneja, S. and Thelma, B. K. (2017). Pedigree Analysis of Familial Primary Concomitant Horizontal Strabismus in Northern India. *Strabismus*, 26, 311-23.

Choubey, A., Rajam, M. V. (2017). Transcriptome response and developmental implications of RNAi-mediated ODC knockdown in tobacco. *Funct Integr Genomics*, 17, 399-412.

Chowdhury, M. R., Chauhan, S., Dabral, A., Thelma, B. K., Gupta, N. and Kabra, M. (2017). Validation of Polymerase Chain Reaction-Based Assay to Detect Actual Number of CGG Repeats in FMR1 Gene in Indian Fragile X Syndrome Patients. *J Child Neurol*, 32, 371-378.

Gulati, P., Kaur, K., Rajam, M. V., Srivastava, T., Ali, M. A., Mishra, P. and Islam, S. S. (2018). Leukemia biomarker detection by using photoconductive response of CNT electrode: Analysis of sensing mechanism based on charge transfer induced Fermi level fluctuation. *Sensors Actuators B*, 270, 45-55.

He, Z., Wang, L., Harper, A. L., Havlickova, L., Pradhan, A. K., Parkin, I. A. P. and Bancroft, I. (2017). Extensive homoeologous genome exchanges in allopolyploid crops revealed by mRNAseq-based visualization. *Plant Biotechnol J*, 15, 594-604.

Israni, B. and Rajam, M. V. (2017). Silencing of ecdysone receptor, insect intestinal mucin and sericotropin genes by bacterially produced double-stranded RNA affects larval growth and development in *Plutella xylostella* and *Helicoverpa armigera*. *Insect Mol Biol*, 26, 164-180.

John, J., Kukshal, P., Bhatia, T., Chowdari, K. V., Nimgaonkar, V. L., Deshpande, S. N. and Thelma, B. K. (2017). Possible role of rare variants in Trace amine associated receptor 1 in schizophrenia. *Schizophr Res.*, 189, 190-195.

John, J., Sharma, A., Kukshal, P., Bhatia, T., Nimgaonkar, V. L., Deshpande, S. N. and Thelma, B. K. (2018). Rare variants in Tissue Inhibitor of Metalloproteinase 2 (TIMP2) as a risk factor for schizophrenia: Evidence from familial and cohort analysis. *Schizophrenia Bulletin*. DOI:10.1093/schbul/sbx196

- Kajla, S., Mukhopadhyay, A. and Pradhan, A. K. (2017). Development of transgenic Brassica juncea lines for reduced seed sinapine content by perturbing phenylpropanoid pathway genes. *PLoS One*, 12, e0182747.
- Kashyap, S., Kumar, U., Pandey, A. K., Kanjilal, M., Chattopadhyay, P., Yadav, C. and Thelma, B. K. (2018). Functional characterisation of ADP ribosylation factor-like protein 15 in rheumatoid arthritis synovial fibroblasts. *Clin Exp Rheumatol*.
- Lohia, R., Jain, P., Jain, M., Burma, P. K., Shrivastava, A. and Saran, S. (2017). *Dictyostelium discoideum* Sir2D modulates celltype specific gene expression and is involved in autophagy. *Int J Dev Biol.*, 61, 95-104.
- Mamta, B. and Rajam, M. V. (2017). RNAi technology: a new platform for crop pest control. *Physiol Mol Biol Plants*, 23, 487-501.
- Mandal, S., Rajarammohan, S. and Kaur, J. (2018). Alternaria brassicae interactions with the model Brassicaceae member Arabidopsis thaliana closely resembles those with Mustard (Brassica juncea). *Physiol Mol Biol Plants*, 24, 51-59.
- Mukhi, N., Kundu, S. and Kaur, J. (2017). NO dioxygenase- and peroxidase-like activity of Arabidopsis phytoalbumin 3 and its role in Sclerotinia sclerotiorum defense. *Nitric Oxide*, 68, 150-162.
- Pandey, N., Pal, S., Sharma, L. K., Guleria, R., Mohan, A. and Srivastava, T. (2017). SNP rs16969968 as a Strong Predictor of Nicotine Dependence and Lung Cancer Risk in a North Indian Population. *Asian Pac J Cancer Prev.*, 18, 3073-3079.
- Pareek, M. and Rajam, M. V. (2017). RNAi-mediated silencing of MAP kinase signalling genes (Fmk1, Hog1, and Pbs2) in Fusarium oxysporum reduces pathogenesis on tomato plants. *Fungal Biol.*, 121, 775-784.
- Prasad, P., Mittal, S. A., Chongtham, J., Mohanty, S. and Srivastava, T. (2017). Hypoxia-Mediated Epigenetic Regulation of Stemness in Brain Tumor Cells. *Stem Cells*, 35, 1468-1478.
- Prasad, S., Bhatia, T., Kukshal, P., Nimgaonkar, V. L., Deshpande, S. N. and Thelma, B. K. (2017). Attempts to replicate genetic associations with schizophrenia in a cohort from north India. *NPJ Schizophr*, 3(28).
- Punchaichira, T. J., Dey, S. K., Mukhopadhyay, A., Kundu, S. and Thelma, B. K. (2017). Characterization of SNPs in the dopamine- $\beta$ -hydroxylase gene providing new insights into its structure-function relationship. *Neurogenetics*, 18(3), 155-168.
- Raj, K. and Sarkar, S. (2017). Transactivation Domain of Human c-Myc Is Essential to Alleviate Poly (Q)-Mediated Neurotoxicity in Drosophila Disease Models. *J Mol Neurosci*, 62, 55-66.
- Rajarammohan, S., Kumar, A., Gupta, V., Pental, D., Pradhan, A. K. and Kaur, J. Genetic Architecture of Resistance to Alternaria brassicae in Arabidopsis thaliana: QTL Mapping Reveals Two Major Resistance-Confering Loci. *Front Plant Sci.* 24 (8), 260.
- Rajarammohan, S., Pradhan, A. K., Pental, D. and Kaur, J. (2017). Genome-wide association mapping in Arabidopsis identifies novel genes underlying quantitative disease resistance to Alternaria brassicae. *Mol Plant Pathol*, DOI:10.1111/mpp.12654.
- Sharma, P. A. and Burma, P. K. (2018). An in silico analysis of upstream regulatory modules (URMs) of tapetum specific genes to identify regulatory cis-elements and transcription factors. *American Journal of Molecular Biology*, 8, 15-25.
- Sharma, P. A., Verma, V. and Burma, P. K. (2018). Analysis of activity driven by Upstream Regulatory Modules (URM) of tapetum specific genes TA29 and A9 at ectopic locations in tobacco transgenics. *Journal of Plant Biochemistry and Biotechnology*, Doi: 10.1007/s13562-018-0453-y
- Singh, A., Beniwal, R. P., Kukshal, P., Bhatia, T., Thelma, B. K. and Deshpande, S. N. (2018). A preliminary study of association of genetic variants with early response to olanzapine in schizophrenia. *Indian J Psychiatry*, 60, 10-16.
- Singh, P., Jenkins, L. M., Horst, B., Alers, V., Pradhan, S., Kaur, P. .... Mythreye, K. (2018). Inhibin is a novel paracrine factor for tumor angiogenesis and metastasis. *Cancer Res.*, DOI:10.1158/0008-5472.CAN-17-2316.
- Singh, P., Jenkins, L. M., Horst, B., Alers, V., Pradhan, S., Kaur, P. .... Mythreye, K. (2018). Inhibin Is a Novel Paracrine Factor for Tumor Angiogenesis and Metastasis. *Cancer Res.*, 78, 2978-2989.

- Tanwar, M., Khera, L., Haokip, N., Kaul, R., Naorem, A. and Kateriya, S. (2017). Modulation of cyclic nucleotide-mediated cellular signaling and gene expression using photoactivated adenylyl cyclase as an optogenetic tool. *Sci Rep.*, 7(1) 20-48.
- Tetorya, M. and Rajam, M. V. (2017). RNA silencing of PEX6 gene causes decrease in pigmentation, sporulation and pathogenicity of *Fusarium oxysporum*. *Plant Pathol.*, 67, 67-75, DOI:10.1111/ppa.12712.
- Upadhyay, A., Kochar, M., Upadhyay, A., Tripathy, S., Rajam, M. V. and Srivastava, S. (2017). Small RNAs regulate the biocontrol property of fluorescent *Pseudomonas* strain Psd. *Microbiol Res.*, 196, 80-88.
- Upadhyay, A., Kochar, M., Rajam, M. V. and Srivastava, S. (2017). Unraveling the role of expolysaccharides in Zinc biosorption by fluorescent *Pseudomonas* strain Psd. *Frontiers in Microbiology*, 8, 284. DOI:10.3389/fmicb.2017.00284.
- Verma, N. and Burma, P. K. (2017). Regulation of tapetum-specific A9 promoter by transcription factors AtMYB80, AtMYB1 and AtMYB4 in *Arabidopsis thaliana* and *Nicotiana tabacum*. *Plant J.*, 92, 481-494.
- Yadav, R., Nisha and Sarkar, S. (2018). *Drosophila* globin1 is required for maintenance of the integrity of F-actin based cytoskeleton during development. *Exp Cell Res.*, 366, 16-23.

#### **Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board**

Two (Prof. A. K. Pradhan, Prof. M. V. Rajam)

#### **Research Projects**

Department of Biotechnology, Govt. of India, Indo-Spanish Project, *Biomarker for early diagnosis of neonatal sepsis as point of care testing using biosensors*, Prof. B. K. Thelma- Co-Principal Investigator; Budget Rs.1.02 crores (for UDSC).

Department of Biotechnology, Govt. of India, “*Excavating the role of Neurofibrillary Tangles (NFTs) in pathogenesis of human Tauopathies in Drosophila disease models*” Dr. Surajit Sarkar- Budget Rs. 57.60 Lakhs.

#### **Seminars Organised**

One day interactive meeting on ‘Cell Fate and Signaling’ was held on 13<sup>th</sup> October 2017 with support from DST Purse Grant. The following speakers participated in the meeting:

- Dr. Akash Gulyani, inStem, NCBS Campus, Bangalore
- Dr. Colin Jamora, inStem, NCBS Campus, Bangalore
- Dr. Mahak Sharma, ISSER, Mohali
- Dr. Alok Sinha, NIPGR, New Delhi
- Dr. Anand Ranganathan, JNU
- Dr. Soumen Basak, NII, JNU

#### **Conferences Organised**

Prof. B. K. Thelma - Symposium titled “Recent advances in molecular genetics with new biomedical insights”, jointly organised by INSA, New Delhi and the Israeli Academy of Sciences and Humanities held at INSA, New Delhi, February 12-13, 2018; Funded by IASH, Israel; and INSA, DBT, India. Workshop on microscopy, March 27, 2018. Funding: Indian Society of Cell Biology.

#### **Seminar/Conference Presentations**

Prof M. V Rajam has delivered an invited talk during 39th Annual Meeting of the Plant Tissue Culture Association (India) and National Symposium on ‘Plant Biotechnology’, Arid Forest Research Institute (AFRI), Jodhpur, March 16-18, 2018.

Prof M. V Rajam has delivered an invited talk during International Conference on ‘Environmental Changes and Their Impact on Plants and Human Health’, St. Wilfred’s P. G. College, Jaipur. January 15-17, 2018.

Prof M. V Rajam has delivered an invited talk during International Conference on ‘Innovations in Pharma and BioPharma Industry’, University of Hyderabad, Hyderabad. December 20-22, 2017.

Prof M. V Rajam has delivered an invited talk National Conference on ‘Harmony with Nature in Context of Environmental Issues’. Kakatiya University, Warangal. December 21-23, 2017.

Dr. Aruna Devi Naorem has delivered an invited talk at Young Scientists Meet organised by Department of Biotechnology, University of Calicut, Kerala during Feb 22-23, 2018.

Dr. Aruna Devi Naorem has presented a research poster at 10<sup>th</sup> Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Jagreet Kaur has presented a research poster at 10<sup>th</sup> Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Jagreet Kaur has delivered an invited talk at International Conference on Plant Developmental Biology and Indian Arabidopsis Meeting 12-16 Dec 2017, Organised by NISER, Bhubaneswar.

Dr. Jagreet Kaur has delivered an invited talk at Molecular Interactions of Plant and Associated Microbes Oct-2017, organised by Indira Gandhi National Tribal University, Amarkantak, M.P.

Dr. Kaustuv Dutta has presented a research poster at 10<sup>th</sup> Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Surajit Sarkar has delivered an invited talk at 3<sup>rd</sup> India Drosophila Research Conference, organised by Indian Institute of Science Education and Research (IISER), Bhopal, MP, 6-9 December, 2017.

Dr. Surajit Sarkar has delivered an invited talk at International Congress of Cell Biology-2018, organised by Centre for Cellular & Molecular Biology (CCMB), Hyderabad, from 27<sup>th</sup> to 31<sup>st</sup> January 2018.

Dr. Surajit Sarkar has presented a research poster at 10<sup>th</sup> Young Investigator's Meeting (YIM)-2018 held at Thiruvananthapuram during March 5-8, 2018.

Dr. Tapasya Srivastava at National seminar on Genes, Genetics and Epigenomics, Human Genetics department, Guru Nanak Dev University, Amritsar on March 20, 2018.

Dr. Tapasya Srivastava at World Neurocongress-2017, Aligarh Muslim University, Aligarh, 9<sup>th</sup> and 10<sup>th</sup> December, 2017.

Dr. Tapasya Srivastava has delivered an invited talk at Annual Meeting of Indian Academy of Neurosciences in Odisha from October 29-31, 2017.

Dr. Tapasya Srivastava has delivered an invited talk at IIT-Delhi "Current trends in Hypoxia Research" on 29<sup>th</sup> January, 2018.

#### **Other Inter-Institutional Collaboration**

Prof. B. K. Thelma has several National and International research collaborative projects and has published several papers. Prof M. V. Rajam has active research collaboration with Jawaharlal Nehru University and Indian Institute of Technology, Guwahati. Dr. Tapasya Srivastava has also published from active collaborations with Dr. Mythreye Karthikeyan at University of South Carolina in this period, pursuing work with Prof Islam at Jamia Millia Islamia and has initiated work with Dr. Anand Ranganathan at Jawaharlal Nehru University and Prof Kunzang Chosdol, Dr. Archana Singh and Prof Sameer Bakshi at All India Institute of Medical Sciences.

#### **Placement Details (Number and percentage of students placed)**

Outgoing M.Sc. and Ph.D. students opted for higher education (Ph.D./ Post-doctoral research work) in National and International Institutions.

#### **Extension and Outreach Activities:**

##### **Number of M.Phil./Ph.D. Degrees Awarded**

Ph.D. : 11

M.Phil. : 1

**Faculty Strength:** 9

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## **MICROBIOLOGY**

#### **Major Activities and Achievements**

A point-of-care (POC) device for rapid detection of antimicrobial resistance (AMR) in bacteria is being developed. Three well-proven technologies *viz.* DNA extraction, hybridization with resistance-genes array and an algorithm-driven selection of appropriate antibiotics are being integrated into this device. The role of

the genomic elements flanking upstream and downstream regions of the genes conferring resistance to  $\beta$ -lactam and quinolone antibiotics in *E.coli* have been investigated to use these as markers to study epidemiology and spread of antibiotic resistant bacteria. The role of chromatin modifications in *Leishmania* is also a major area of research. The past year the focus has been on the importance of histone acetyltransferase HAT2 and the histone modification it brings about: H4K10 acetylation. HAT2 is found to regulate transcriptional events. During the course of investigations the presence of two tiers of transcriptional regulation in *Leishmania* was uncovered. The study will be taken genome-wide over the next two years. Investigations into the role of histone methylation events in *Leishmania* are now being initiated to elaborate the functional roles of specific histone methyltransferases in cellular growth, cell cycle, replication and transcription. The role of Hepatitis C Virus (HCV) Core protein in virus mediated tumorigenesis by modulation of cellular metastasis suppressor Nm23-H1 also studies which provided the role of HCV-Core in HCV mediated cancer metastasis. The molecular characterization of an extra sequence of gamma-glutamyl transpeptidase from *Bacillus atrophaeus* (BaGGT) is done to develop a catalytic efficient mutant with 2-fold enhanced activity. A hyperthermostable alkaline lipase from *Geobacillus thermoleovorans* was isolated. The lipase was heterologously expressed in *E.coli*. The expressed enzyme was purified and its biochemical and biophysical characterization revealed several key industrial useful properties. The large scale production of therapeutically important biomolecule like streptokinase and hTNF- $\alpha$  using heterologous expression system such as *E. coli* and *Pichia pastoris* is done. Bioprocess optimization resulted in a higher volumetric product yield of 3.4 g/l and 2.35 g/l respectively.

### Honours/Distinctions

Prof. J.S. Viridi: Elected President-Elect 2018, Association of Microbiologists (AMI) of India

Prof. J.S. Viridi: Member, UGC Committee for developing Learning Outcome based Curriculum Framework in the subject of Microbiology

Prof. J.S. Viridi: Member, Board of Studies in Microbiology, Amity University, Jaipur.

Research scholar Miss Babbal won best poster award during National conference (BESCON-2017) on Biological Engineering in 21st century, held at Netaji Subhas Institute of Technology, New Delhi, India from September 8-9, 2017 titled "High level soluble expression of recombinant hTNF- $\alpha$  in fed batch culture of *E.coli*"

### Publications

8 research papers were published during 2017-2018

Bindal, S., Dagar, V. K., Saini, M., Khasa, Y. P. and Gupta, R. (2018). High level extracellular production of recombinant  $\gamma$ -glutamyl transpeptidase from *Bacillus licheniformis* in *Escherichia coli* fed-batch culture, 116, 23-32. Doi:10.1016/j.enzmtec.2018.05.004

Chandra, U., Yadav, A., Kumar, D. and Saha, S. (2017). Cell cycle stage-specific transcriptional activation of cyclins mediated by HAT2-dependent H4K10 acetylation of promoters in *Leishmania donovani*. *PLoS Pathogens*, 13(9), e1006615. Doi: 10.1371/journal.ppat.1006615

Dagar, V. K. and Khasa, Y. P. (2018). Combined effect of gene dosage and process optimization strategies on high-level production of recombinant human Interleukin-3 (hIL-3) in *Pichia pastoris* fed-batch culture. *International Journal of Biological Macromolecules*, 108, 999-1009. DOI:10.1016/j.ijbiomac.2017.11.008.

Khera, L., Paul, C. and Kaul, R. (2018). Hepatitis C Virus mediated metastasis in hepatocellular carcinoma as a therapeutic target for cancer management. *Current Drug Metabolism*, 19. Doi: 10.2174/1389200219666180129110942.

Tanwar, M., Khera, L., Haokip, N., Kaul, R., Naorem, A. and Kateriya, S. (2017). Modulation of cyclic nucleotide-mediated cellular signaling and gene expression using photoactivated adenylyl cyclase as an optogenetic tool. *Scientific Reports*, 7, 12048. Doi: 10.1038/s41598-017-12162-4

Nash, S. D., Prevots, R. D., Kabyemela, E., Khasa, Y. P., Lee, K. L., Fried, M., Duffy, P. E., (2017). A Malaria-Resistant Phenotype with Immunological Correlates in a Tanzanian Birth Cohort Exposed to Intense Malaria Transmission. *American Journal of Tropical Medicine and Hygiene*, 96(5), 1190-1196. DOI:10.4269/ajtmh.16-0554

Singh, N. S., Singhal, N. and Viridi, J. S. (2018). Genetic environment of blaTEM-1, blaCTX-M-15, blaCMY-42 and characterization of integrons of *Escherichia coli* isolated from an Indian urban aquatic environment. *Frontiers in Microbiology*, 9, 382, Doi:10.3389/fmicb.2018.00382.



Singha, T. K., Gulati, P., Mohanty, A., Khasa, Y. P., Kapoor, R. K. and Kumar, S. (2017). Efficient genetic approaches for improvement of plasmid based expression of recombinant protein in *Escherichia coli*: A review. *Process Biochemistry*, 55, 17–31. Doi:10.1016/j.procbio.2017.01.026

### Research Projects

Biotechnology Industry Research Assistance Council (BIRAC), *Resistance-genes-array for rapid detection of antimicrobial resistance and algorithm driven therapy*, 2017-2018 Prof. J. S. Viridi 12.90 Lakhs.

Department of Biotechnology, *Engineering Pichia pastoris platform to address catabolite repression and methanol usage for AOX1p-guided expression: Strain development for efficient utilization of methanol substitutes in a glycerol-independent system*, 2017-2020, Prof. Rani Gupta, 49.54 Lakhs.

Department of Science and technology, *Investigating DNA replication protein Cdc45 in the protozoan parasite Leishmania donovani*, Prof. Swati Saha, 49 lakhs.

Department of Biotechnology, 2015-2018, 2016-2019; *Investigation of the roles of the GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani*, 67.5 lakhs to Prof. Swati Saha.

Indian council of agriculture research, *Understanding the molecular basis of peste-des- petits ruminants virus (PPRV) mediated host immune modulation for the development of next generation vaccine*, 2017-2020, Dr. Rajeev Kaul, 59 lakhs.

### Seminar/Conference Presentations

Singh, N.S., Viridi, J. S. (2017) Assessment of antibiotic resistance genes and integrons in commensal *Escherichia coli* from the Indian urban waste water: Implications and significance for public health. Oral and Poster presentation at NextGen Genomics – Biology, Bioinformatics and Technologies (NGBT) conference, Bhubaneswar, Odisha (India), 2-4 Oct, 2017.

Singhal, N., Kumar, M., Viridi, J. S. (2017) Prospects of comparative genomics of  $\beta$ -lactamase genes in rapid antimicrobial resistance (AMR) detection and newer  $\beta$ -lactamase inhibitors. Poster presented at NextGen Genomics - Biology Bioinformatics and Technologies (NGBT) conference, Bhubaneswar, Odisha (India), 2- 4 Oct, 2017.

Singhal, N., Kumar, M., Viridi, J. S. (2018) Exploring the genetic determinants underlying differential inducibility of ampC  $\beta$ -lactamases in *Y. enterocolitica* biotypes 1A, 1B, 2 and 4. Poster presented at 28th European Congress of Clinical Microbiology & Infectious Diseases at Madrid (Spain), 21-24 Apr, 2018.

Kaul R (2018) Molecular biology of virus mediated cancers: Role of virus coded proteins in cancer metastasis. Poster presentation at 10th Young Investigator Meet organised by India Biosciences, Thiruvananthapuram, 05-09 Mar 2018.

Khasa Y. P. (2017) gave invited guest lecture on “Bioprocess optimization of recombinant therapeutics in methylotrophic yeast *P. pastoris*: Streptokinase as a model protein” in 58th Annual conference of AMI titled “Microbes for Sustainable Development: Scope & Applications” at Babashaheb Bhimrao Ambedkar University (A Central University), Lucknow, Uttar Pradesh, India between November 16-19, 2017.

Khasa Y. P. (2017) gave invited guest lecture on “Bioprocess development for the over-production of recombinant Streptokinase in *Pichia pastoris*” in National conference on Biotechnology: Exploring through Innovations (BETI)-2017" at Central University of Haryana, Mahendergarh, Haryana, between November 13-14, 2017.

### Number of M.Phil./Ph.D. Degrees Awarded

Ph.D. : 4

### Faculty Strength

06

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## PHYSICAL EDUCATION & SPORTS SCIENCES

### Major activities and achievements

The department engages in organizing various extension lectures in different topics related to exercise and sports psychology, sports exercise physiology, adapted physical activity, sports bio-mechanics and

kinesiology, motor learning and control, sports medicine, yogic science, sports spirituality, development of norms for various age groups of human populations in the areas of health and fitness, curriculum development and designing, training programme implementation and development and talent identification etc.

The department developed curriculum & syllabus for following courses for b.a. Programme with physical education as a discipline course - revised & updating of four discipline specific core course papers of physical education. Developed eight new skill enhancement course paper. Developed four discipline specific elective course papers. Developed two new generic elective inter-disciplinary papers of physical education to be offered to B.A. Programme without physical education. Developed four new inter-disciplinary papers of physical education to be offered as generic elective in all honours courses. Several seminars by experts were organised in the department round the year. Department conducted 33<sup>rd</sup> Annual Staff Tournament of NCERT from 23<sup>rd</sup> October, 2017 to 27<sup>th</sup> October, 2017 at NCERT, Aurobindo Marg, New Delhi. Faculties were engaged in high-end research towards understanding and developing strategies to physical education and sports sciences, specifically in areas of exercise physiology, sports biomechanics, health education, developing psychological and fitness tools and test.

### **Honours/Distinctions**

Dr. Sandeep Tiwari, Head, Department of Physical Education & Sports Sciences

Expert Member of Jury for Youth Festival Rashtriya Sanskrit Sansthan at Mumbai 9th March, 2018- 11th March, 2018.

Expert Member of Sports Committee FICCI 2018.

Expert Member for FICCI Convention on 23<sup>rd</sup> January, 2018.

MEMBER, Consortium for Educational Communication Preview Committee (An Inter- University Centre of University Grants Commission on Electronic Media)

Member, Selection Committee for NCERT Staff Tournament, Aug, 2017.

Resource Person, “International Conference on Issues and New ideas in Sports Management” Organised by LNIPE Gwalior, 8<sup>th</sup> -10<sup>th</sup> March, 2018.

Dr. Pardeep Kumar

MEMBER, Consortium for Educational Communication Preview Committee (An Inter-University Centre of University Grants Commission on Electronic Media)

Member, Editorial Board, Indian Journal of Physical Education and Sports Sciences (Published from Dept. of Physical Education and Sports Sciences, University of Delhi).

Coordinator, Technical Official for conducting NCERT, All India Staff Sports Tournament 2017-18.

### **Publications**

Tanwar A. and Tiwari S. (2018). Comparison of Aerobic Power Among batsmen and fast Bowlers in the game of cricket. *International Journal of Advanced Research and Development*, 24.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Assessment of Self Efficacy on Sportspersons and Non-Sportsperson. *International Journal of Movement Education and Sports Sciences (IJMESS)* 1, 2348-5604.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Assessment of Emotional Regulation among Sportsperson and Non- Sportsperson. *Indian Journal of Movement Education and Exercises Sciences (IJMEES)*, 1, 2249-5010.

Dabas, Meenu, Kumar, A. and Kumar, P. (2017). Study of Mental Profile of Wicket Keeper Batsmen of Inter- Collegiate Cricket Players of University of Delhi. *Indian Journal of Movement Education and Exercises Sciences (IJMEES)*, 2, 2249-5010.

Kumar. P. and Singh, S. (2017). A study on promotion of Basketball game in village Dudoj, District Sikar, Rajasthan in percentile value. *International Journal Physical Education, Sports and Health*, 1(4), 226-228.

Kumar, D., and Kumar P. (2017). A study of different physiological fitness components of laborer's of East Delhi. *International Journal of Yogic, Human Movement and Sports Sciences*, 2(2), 118-120.

Khare P. and Chakraborty S. (2018). Effect of Total Body Trifecta (TBT) Training Program on Strength & Endurance of Intercollegiate Players. *Scientific Journal in Sport and Exercise*, 14(1), 54-62.

Khare P. and Chakraborty S. (2018). Effect of Total Body Trifecta (TBT) Training Program on Lipid Profile and Fat% of Intercollegiate Players. *Scientific Journal in Sport and Exercise*, 14(2), 38-45.

#### **Conference Organised**

Dr. Sandeep Tiwari, HOD, was Member, Advisory Committee for International Conference on “Issues and New Ideas in Sports Management” Organised by LNIPE, Gwalior, 8<sup>th</sup> -10<sup>th</sup> March, 2018.

#### **Seminar/ Conference Presentations**

E.S Narender (2018) Kinematical Analysis of Forehand Volley in Tennis. International conference on sports for all”. Presented at Amity University, Noida.

#### **Extension and Outreach Activities**

Organised a lecture on “Sports Management” Industry Trends, Research & Careers” by Dr. Mike Rayner Course Leader, Portsmouth University, U.K. in collaboration with Hansraj College, University of Delhi on 23.01.2018.

Department conducted 33<sup>rd</sup> Annual Staff Tournament of NCERT from 23<sup>rd</sup> October, 2017 to 27<sup>th</sup> October, 2017 at NCERT, Aurobindo Marg, New Delhi.

#### **Number of M.Phil./Ph.D. Degrees Awarded**

Awarded Ph.D. degrees during the above period = Eight (8).

#### **Faculty Strength:**

Recognized Teachers	-	08
Administrative Staff	-	02
Junior Assistant	-	01 (Contract Basis)
Office Attendant	-	01 (Contract Basis)

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### **PLANT MOLECULAR BIOLOGY**

#### **Major activities and achievements:**

Work undertaken by Prof. AK Tyagi has helped in identification of metaQTLs associated with grain size/weight in diverse Indian indica and aromatic rice accessions. The forward genetics has been also used to define genetic determinants of growth habit and flowering time in chickpea. Prof. J.P. Khurana focuses on light sensory receptors, mainly on cryptochromes which perceive UV-A/blue light to regulate plant height and flowering time. Genomic resources are being developed in wheat and mulberry by Prof. Paramjit Khurana. Heat shock factors (Hsfs) are being investigated in rice by Prof Anil Grover. Modulation of the RNA-based anti-viral resistance pathways (RNAi) in plants is being studied by Prof. Indranil Dasgupta. Prof. Sanjay Kapoor works on understanding the molecular aspects of male gametophyte development. Prof. Arun Sharma identified 85 ERFs related to fruit ripening in tomato. Prof. Girdhar Pandey concentrates on unraveling the calcium mediated-signal transduction pathway. Dr. S. Raghuvanshi is engaged in functional characterization of miRNA-mediated drought responsive regulatory networks. Dr. Surekha Katiyar is engaged in elucidating the biological role of tetraspanin proteins.

#### **Honours/Distinctions**

Professor A. K. Tyagi

JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.

GM Modi Award for Innovative Science & Technology, 2017.

Professor Paramjit Khurana

JC Bose National Fellowship Award, 3rd Phase, SERB, DST, Government of India, 2017.

Birbal Sahni Award Medal of the Indian Botanical Society for 2017.

Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017.

Council Member (NASI representative), Indian National Science Academy, 2018.

General Secretary (Outstation), The National Academy of Sciences, Allahabad, India, (2018-2019).

Professor Girdhar K. Pandey

Elected Fellow of National Academy of Agricultural Sciences (NAAS), New Delhi, India (2018).

Visiting Professor at Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).

Foreign Expert award, Institute of Agri-Biotechnology and Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment, Jiangsu Academy of Agricultural Sciences, Nanjing, China (2017).

## Publications

- Borah, P. and Khurana, J. P. (2018). The OsFBK1 E3 ligase subunit affects anther and root secondary cell wall thickenings by mediating turn-over of a cinnamoyl-CoA reductase. *Plant Physiology*, 176, 2148-2165.
- Burman, N., Bhatnagar, A. and Khurana, J. P. (2018). OsZIP48, orthologous to AtHY5, exerts pleiotropic effects in light-regulated plant development. *Plant Physiology*, 176, 1262-1285.
- Basu, U., Bajaj, D., Sharma, A., Malik, N., Daware, A., Laxmi, ..... Parida, S. K. (2018). Genetic dissection of photosynthetic efficiency traits for enhancing seed yield in chickpea. *Plant Cell & Environ.*, in press.
- Jain, N., Vergish, S. and Khurana, J. P. (2018). Evaluation of house-keeping genes for normalization of gene expression data for diurnal/circadian studies in rice using RT-qPCR. *Scientific Reports*, 8, 3203. Doi: 10.1038/s41598-018-21374-1.
- Krupovic, M., Blomberg, J., Coffin, J.M., Dasgupta, I., Fan, H., Geering, A.D., ..... Kuhn, J.H. (2018). Ortervirales: A new virus order unifying five families of reverse-transcribing viruses. *Journal of Virology*, 92.
- Kushawaha, A.K. and Dasgupta, I. (2018). Infectivity of cloned begomoviral DNAs: an appraisal. *Virus Disease*, DOI 10.1007/s13337-018-0453-5.
- Rishishwar, R. and Dasgupta, I. (2018). Suppressors of RNA silencing encoded by geminiviruses and associated DNA satellites. *Virus Disease*, DOI 10.1007/s13337-108-0418-8
- Kushawaha, A.K., Rabindran, R. and Dasgupta, I. (2018). Rolling circle amplification-based analysis of Sri Lankan cassava mosaic virus isolates from Tamil Nadu, India suggests a low level of genetic variability. *Virus Disease*, 29(1), 61-67. DOI 10.1007/s13337-018-0432-x
- Lavania, D., Dhingra, A. and Grover A. (2018). Analysis of transactivation potential of rice (*Oryza sativa* L.) heat shock factors. *Planta*, 247, 1267-1276.
- Agarwal, P. & Khurana, P. (2017). Characterization of a novel zinc finger transcription factor (TaZnF) from wheat conferring heat stress tolerance in Arabidopsis. *Cell Stress & Chaperones*, Doi:10.1007/s12192-017-0838-1.
- Agarwal, P., Kumar, R., Pareek, A. and Sharma, A. K. (2017). Fruit preferential activity of tomato RIP1 gene promoter in transgenic tomato and Arabidopsis. *Mol. Gen. Genomics*, 292, 145-156.
- Baranwal, V. K. and Khurana, P. (2017). Genome-wide structural, functional and evolutionary analysis of Membrane Intrinsic Proteins of *Morus notabilis* and their expression dynamics in different species. *Plant Physiol. and Biochem*, 111, 304-317.
- Baranwal, V. K., Negi, N. and Khurana, P. (2017). Auxin Response Factor Genes Repertoire in Mulberry: Identification, and Structural, Functional and Evolutionary Analyses. *Genes (MDPI)* 8(202). Doi: 10.3390/genes8090202.
- Borah, P., Sharma, E., Kaur, A., Chandel, G., Mohapatra, T., Kapoor, S. and Khurana, J. P. (2017). Analysis of the drought-signalling network in two contrasting varieties of rice by employing microarray-based transcriptomics approach. *Scientific Reports* 7, 42131. Doi: 10.1038/srep42131.
- Daware, A. V., Srivastava, R., Singh, A. K., Parida, S. K. and Tyagi, A. K. (2017). Regional association analysis of meta-QTLs delineates candidate grain size genes in rice. *Front. Plant Sci.*, 8, 807.
- Jha, S. K., Malik, S., Sharma, M., Pandey, A., and Pandey, G. K. (2017). Recent advances in substrate identification of protein kinases in plants and their role in stress management. *Current Genomics*, 18.

- Johnson, A. M. A., Gopal, S., D.V.R., Sudhakar, C. and Dasgupta, I. (2017). Citrus yellow mosaic virus infecting Citrus sp.: a threat to the citrus industry and quarantine issue. *Journal of General Plant Pathology*, 83(2), 57-65.
- Kant, R. and Dasgupta, I. (2017). Phenotyping of VIGS-mediated gene silencing in rice using a vector derived from a DNA virus. *Plant Cell Reports*, 36, 1159-1170. Doi: 10.1007/s00299-017-2156-6.
- Khurana, N., Sharma, N., and Khurana, P. (2017). Overexpression of a heat stress inducible, wheat myo-inositol-1-phosphate synthase 2 (TaMIPS2) confers tolerance to various abiotic stresses in Arabidopsis thaliana. *Agri Gene*, 6, 24-30.
- Malik, N., Agarwal, P. and Tyagi, A.K. (2017). Emerging functions of multi-protein complex Mediator with special emphasis on plants. *Critical Rev. Biochem. Mol. Biol.*, 52, 475-502.
- Mishra, S. & Khurana, J. P. (2017). Emerging roles and new paradigms in signalling mechanisms of plant cryptochromes. *Crit. Rev. Plant Sci.*, 36, 89-115.
- Pandey, R., Bhardwaj, A.R., Agarwal, M., Katiyar-Agarwal, S. 2017. Discovery of small RNAs in wheat: a survey. *Indian J. Plant Physiol.*, 22, 411-421.
- Pandey, A., Yadav, V., Sharma, A., Khurana, J.P., & Pandey, G.K. (2017). The unc-53 gene negatively regulates rac GTPases to inhibit unc-5 activity during distal tip cell migrations in *C. elegans*. *Cell Adh. Migr.*, 5, 0, Doi:10.1080/19336918.2017.1345413.
- Parida, A. P., Sharma, A., and Sharma, A. K. (2017). AtMBD6, a methyl CpG binding domain protein, maintains gene silencing in Arabidopsis by interacting with RNA binding proteins. *J. Biosci*, 42, 57-68.
- Parveen, I., Singh, H. K., Malik, S., Raghuvanshi, S., Babbar, S. B. (2017). Evaluating five different loci (rbcL, rpoB, rpoC1, matK, and ITS) for DNA barcoding of Indian orchids. *Genome*, 60(8), 665-671. Doi: 10.1139/gen-2016-0215.
- Ranjan, R., Khurana, R., Malik, N., Badoni, S., Parida, S. K., Kapoor, S., and Tyagi, A. K. (2017). bHLH142 regulates various metabolic pathway-related genes to affect pollen development and anther dehiscence in rice. *Sci. Rep.*, 7, 43397.
- Rao, G. S., Tyagi, A. K., and Rao, K. V. (2017). Development of an inducible male-sterility system in rice through pollen-specific expression of L-ornithinase (argE) gene of *E. coli*. *Plant Science*, 256, 139-147.
- Saeed, B. and Khurana, P. (2017). Transcriptional activation activity of ERD15 protein from *Morus indica*. *Plant Physiol. & Biochem*, 111, 174-178.
- Sanyal, S. K., Kanwar, P. K., Samtani, S., Kaur, K., Jha, S. K. and Pandey, G. K. (2017). Alternative splicing of CIPK3 results in distinct target selection to propagate ABA signaling in Arabidopsis. *Frontier Plant Science*, 8, 1924. Doi:10.3389/fpls.2017.01924.
- Shankar, A., Fernandes, J. L., Kaur, K., Sharma, M., Kundu, S. and Pandey, G. K. (2017). Rice Phytoalbumin regulate responses under low mineral nutrients and abiotic stresses in Arabidopsis thaliana. *Plant Cell Environment*, 41(1), 215-230.
- Sanyal, S. K., Kanwar, P., Yadav, A. K., Sharma, C., Kumar, A., and Pandey, G. K. (2017). Arabidopsis CBL interacting protein kinase 3 interacts with ABR1, an APETALA2 domain transcription factor, to regulate ABA responses. *Plant Science*, 254, 48-59.
- Shimray, P. W., Bajaj, D., Srivastava, R., Daware, A., Upadhyaya, H. D., Kumar, R. .... Parida, S.K. (2017). Identifying transcription factor genes associated with yield traits in chickpea. *Plant Molecular Biology Reporter*, 35, 562-574.
- Singh, A., and Pandey, G. K. (2017). How Phospholipase C Regulates Stress Tolerance and Development in Plants? *J. Cell Signal*, 1, 132.
- Singh, A. and Khurana, (2017). Ectopic expression of Triticum aestivum SERK genes (TaSERKs) control plant growth and development in Arabidopsis. *Scientific Reports*, 7(1), 12368. Doi: 10.1038/s41598-017-10038-1
- Singh, B., Khurana, P., Khurana J. P. and Singh, P. (2017). Gene encoding vesicle-associated membrane protein-associated protein from Triticum aestivum (TaVAP) confers tolerance to drought stress. *Cell Stress & Chaperones*, Doi: 10.1007/s12192-017-0854-1.
- Singh, S., Virdi, A. S., Jaswal, R., Chawla, M., Kapoor, S., Mohapatra, S.B. .... Singh, P. (2017). A temperature-responsive gene in sorghum encodes a glycine-rich protein that interacts with calmodulin. *Biochimie*, 137, 115-123. DOI:10.1016/j.biochi.2017.03.010.

Srivastava, R., Uppadhyaya, H. D., Kumar, R., Daware, A. V., Basu, U., Shimray, W. .... Parida, S. K. (2017). A multiple QTL-seq strategy delineates potential genomic loci governing flowering time in chickpea. *Front. Plant Sci.*, 8, 1105.

Thompson, J. R., Dasgupta, I., Fuchs, M., Iwanami, T., Karasev, A. V., Petrzik, K. .... Yoshikawa, N. (2017). ICTV Virus Taxonomy Profile: Secoviridae. *Journal of General Virology*, 98, 529-531. DOI:10.1099/jgv.0.000779.

Upadhyaya, H. D., Bajaj, D., Srivastava, R., Daware, A., Basu, U., Tripathi, S. .... Parida, S.K. (2017). Genetic dissection of plant growth habit in chickpea. *Funct. Integr. Genomics*, 17, 711-723.

Zhang, D., Huang, Y., Kumar, M., Wan, Q., Xu, Z., Shao, H.B., and Pandey, G.K. (2017). Heterologous expression of GmSIP1; 3 from soybean in tobacco showed growth retardation and tolerance to hydrogen peroxide. *Plant Science*, 263, 210-218.

Zhang, D. Y., Kumar, M., Xu, L., Wan, Q., Huang, Y. H., Xu, Z. L. .... Shao, H.B. (2017). Genome-wide identification of Major Intrinsic Proteins in Glycine soja and characterization of GmTIP2; 1 function under salt and water stress. *Sci Rep.*, 23, 7(1), 4106.

### Journals

Professor Akhilesh K. Tyagi is on Editorial Boards of Molecular and General Genomics, Rice, Transgenic Research and Journal of Plant Biochemistry and Biotechnology

Professor Indranil Dasgupta is Member of editorial boards of Journal of Biosciences & Journal of Virus Disease.

### Research Projects

J.C. Bose fellowship, DST, 2007 – 2017, Professor Akhilesh K. Tyagi, awarded 121.1 lakhs.

DBT, *Functional characterization of genetic and epigenetic regulatory networks involved in the reproductive development in rice*, 2015 - 2020, Prof A. K. Tyagi, as Project Coordinator & Prof J. P. Khurana, Prof S. Kapoor, Prof Vijayraghavan as PIs, 987.42 Lakhs.

DBT, *Regulation of ripening in tomato by manipulation of epigenome*, 2016 - 2021, Professor Arun K. Sharma, 91.74 lakhs.

DBT-NOW, Indo-Dutch Collaborative Project on *Characterization of Molecular Components Involved in Pollen Abortion during High Temperature Stress*, 2015 - 2019, Professor Sanjay Kapoor 150.07 lakhs.

DST-SERB, *Unravelling the interactome of tetraspanin protein, a novel regulator of abiotic stress tolerance in rice*, 2018 -2021, Dr. Surekha K-Agarwal, 37.40 lakhs.

### Seminars organised

UGC-SAP workshop was held on February 27, 2018 entitled “New Frontiers in Biological Sciences”  
DPMB Annual Symposium was held on March 21-22, 2018.

### Conferences organised

Dr. Saurabh Raghuvanshi

National Symposium on Database Development and Biocuration 2018 on 6-7<sup>th</sup> April 2018

### Seminar/Conference Presentation

Prof. A.K. Tyagi

Annual Function of Botanical Society, Shivaji College, New Delhi, 2018.

National Conference on Technological Empowerment of Women, NASI, New Delhi, 2018 (*Plenary lecture and session chair*).

National Symposium on Database Development and Biocuration, UDSC, New Delhi, 2018.

Summer Plant science Fest-2018, NBRI, Lucknow, 2018 (*Chief Guest*).

DBT Brainstorming Session, GEU, Dehradun (*chaired the session*).

Teacher’s Day lecture, NABI, Mohali (*Chief Guest*).

Professor Paramjit Khurana

NASI-CCSHAU workshop on Scientific/Technical writing on “Introducing the concept of scientific writing and presentation” at Hissar Agricultural University, on April 18-19, 2017.

Invited talk on “Plant Genomics: a case study in Interdisciplinarity: at the National Conference on Interdisciplinarity: Prospects & Challenges (under Star College Scheme, DBT) at Maitreyi College from April 5-7, 2017.

Keynote address on “Gender Sensitization: changing the mindset” at Science and Technology Sensitization Program for Uttarakhand from June 9-10, 2017, organised by National Academy of Sciences, India, at Kumaun University, Nainital.

“Plant Genomics: Implications for Crop Improvement”, at the Two day seminar on “Women in Science: A Career in Science”, at Deen Dayal Upadhyaya College, university of Delhi, from August 10-11, 2017.

Birbal Sahni Medal Award Lecture for the year 2017, on “The Mulberry Genomics Landscape – a rendezvous on the lesser trodden path!” in the 40th All India Botanical Conference of Indian Botanical Society at Punjabi University, Patiala, on September 15, 2017.

For Chairing a session in the “Science & Technology Sensitization Programme” organised jointly by The National Academy of Sciences India (NASI) and National Metallurgy Laboratory at Jamshedpur, on October 5-6, 2017.

“Art of Scientific Writing” in the “Science & Technology Sensitization Programme” being organised jointly by NASI and National Botanical Research Institute (NBRI), Lucknow, from October 27-28, 2017.

“Gender Sensitization: Changing the Mindset” at NASI-IIT-Guwahati Sensitization Workshop on technological Empowerment of Women on Nov 5-6, 2017, at Guwahati.

Foundation Day Lecture, on “Relevance of Basic Science Research in Achieving Food Security under Changing Climatic Conditions”, on Nov 15, 2017. at Division of Biochem, IARI, New Delhi.

Professor S.K. Sinha Memorial Lecture Award of the Indian Society of Plant Physiology for the year 2017, at the National Conference of Plant Physiology on “Emerging role of Plant Physiology Food Security and Climate Resilient Agriculture” at Indira Gandhi Krishi Vishwavidyalaya, Raipur, on Nov 23-25, 2017.

Special Lecture in the Children’s Science Meet at IUCAA during the NASI Annual Symposium on “Basic Research – its Role in National Development” at SPPU, Pune Dec 8-10, 2017.

INSA Annual Symposium and meeting at IISER Pune, from Dec 27-29, 2017.

Invited Lecture at the National Seminar on “Emerging Areas of Sericulture; Issues, Challenges and Industrial Application for Sustainable Development and Eco-Restoration”, on January 30-31, 2018, at Raiganj university, Raiganj, West Bengal.

Co-chaired the Panel Discussion during the National Conference on Technological Empowerment of Women, March 8 & 9, 2018, organised by NASI at Vigyan Bhavan, New Delhi.

Professor Anil Grover

Talk at Deshbandhu College, Delhi University (13 October 2017).

Talk at School of Life Sciences, Pt. Ravishankar Shukla Univ, Raipur, Chhattisgarh (22 August 2017)

Talk at “Modern breeding strategies for crop improvement”, PJTSAU, Hyderabad, Telangana (10 July 2017).

Talk at Inspire Camp, Ramjas College, Delhi University, Delhi (06 July 2017).

Professor Indranil Dasgupta:

Participated in the “VIROCON 2017 and Viruses to Viromes in Health and Disease” organised by Indian Virological Society, held from December 7-9, 2017 at NITTE University, Mangaluru. Co-chaired a session in the conference and delivered a Lead lecture.

Professor Girdhar K. Pandey

Understanding ABA signaling mediated by  $\text{Ca}^{2+}$ -CBL-CIPK module in Arabidopsis. Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, 1<sup>st</sup> March 2018.

Progress toward functional genomics of stress signaling in plants. Teaching and learning skill in plant molecular biology, Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, 1<sup>st</sup> March 2018.

A story of ABA, calcium and CBL-CIPK: Stress signaling perspective. UGC-SAP workshop symposium, University of Delhi South Campus, New Delhi, 27th Feb 2018.

From genomic to functional genomics: Stress signaling perspective. Delonix 18, Department of Botany, Deen Dayal Upadhyay College, Delhi University, New Delhi, 21 Feb 2018.

How phosphorylation-dephosphorylation switch regulates K<sup>+</sup> deprivation stress signalling in plants? Understanding Plant Abiotic Stress: The Omic way, An India-Egypt workshop, 18 December 2017, University of Delhi South Campus, New Delhi-110021.

OsPUB75, an Armadillo/U-box protein interacts with a GSK3 kinase and function as a negative regulator of abiotic stress conditions. National Conference on Basic Biology is the Core of Biotechnology Department of Bioscience and Biotechnology, Banasthali University, 30-31 October, 2017

From genomic to functional genomic of plant protein phosphatases in abiotic stress. International Conference of Plant Genetic and Genomics (AgriGenomic India), Chandigarh, 20 July 2017.

What we are learning from the functional genomics of abiotic stress? Rice protein phosphatases. Salt-Soil Agricultural Center, Institute of Agricultural Resources and Environment Jiangsu Academy of Agricultural Sciences, Nanjing, Jiangsu, China, 11 July 2017.

Calcium mediated signaling in plants: Interplay of kinases and phosphatases during K<sup>+</sup> deprivation stress. School of Plant Sciences & Food Security Faculty of Life Sciences, Tel Aviv University, Israel, 25 May 2017.

Role of calcium mediated CBL-CIPK module in regulation of ABA responses in plants. BioSpark-2017, School of Life Sciences, Jawaharlal Nehru University, New Delhi-110067, March 2017.

How oxidative stress responses are regulated in Arabidopsis? Story of a Ca<sup>2+</sup>-modulated kinase and mitochondrial gatekeeper module. International Symposium on Plant Biotechnology for Crop Improvement, IIT-Guwahati, Assam, India 20-21-January 2017.

How a Ca<sup>2+</sup>-regulated kinase modulate oxidative stress responses in Arabidopsis? Role of CIPK-VDAC module. Shanghai Center for Plant Stress Biology, Shanghai Institute of Biological Sciences, Shanghai, China, 13 January 2017.

New insights of oxidative stress responses in Plant: Story of a Ca<sup>2+</sup>-modulated kinase and mitochondrial gatekeeper module. Jiangsu Academy of Agricultural Sciences, Nanjing, Jiangsu, China, 11 January 2017.

### **Students under Exchange Programme**

Ritesh Kumar Saklani visited Netherland under DBT-NWO Joint Research Project entitled "Characterizing the molecular-physiological basis of pollen abortion upon prolonged high temperature stress" funded in India and the Netherlands by the Department of Biotechnology (DBT, Sanction letter No. BT/IN/NW0/16/SK/2015-16) and the Netherlands Organization for Scientific Research (NWO) (28/08/2017 until 01/09/2017).

Richa Babbar availed a short-term research internship of four months at the University of Leeds, United Kingdom under Newton Bhabha PhD Placements Programme by DST, DBT (INDIA) and British Council (UNITED KINGDOM) (September 2017- December 2017).

**Number of Ph.D. Degrees Awarded - 6**

### **Faculty Strength**

11 (Permanent)

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## **FACULTY OF LAW**

### **Major activities and achievements**

The three law centres of the Faculty of Law have seen a surge of academic events and activities in 2017-18. The details of events and activities of the three law Centres are given in their independent reports. The main activities of the Faculty of Law for the academic session 2017-18 include workshops/conference at the national level, such as National Workshop on Applied IPR, National Conference on Surrogacy vis-a-vis Adoption. Many knowledge enrichment programmes in the form of 'Eminent Professor's Lecture Series',



‘Interactive Taster Sessions’ in collaboration with Birmingham Law School, ‘Lecture on Constitutionalism and the Culture of Justification’, Faculty Development Programme, Training on ADR, and many seminars were held in 2017-18.

### **Seminars/Talk Organised**

Prof. Moshe Cohen-Eliya, President, College of Law and Business, Israel, lectured on "Constitutionalism and the Culture of Justification", February 13<sup>th</sup>, 2018.

“Interactive Taster Sessions” in collaboration with Birmingham Law School, University of Birmingham, February 5<sup>th</sup>, 2018.

Prof. Ved. P. Nanda, Honorary Professor, Faculty of Law, spoke on “New Developments in US Legal Education”, “Orientation on International Law”, “Publication Opportunities for Teachers and Research Scholars in Law”, and “Critical Issues in International Relations” in the “Eminent Professor’s Lecture Series”. January 22-25<sup>th</sup>, 2018.

Dr. Neeru Chadha, First Indian Woman Judge of International Tribunal for the Law of the Sea visited and delivered a talk, 26 October 2017.

### **Conferences/Workshop Organised**

Justice Rajiv Sahai Endlaw, Judge High Court of Delhi, Mr. Rajiv Aggarwal, Joint Secretary, DIPPI, Government of India, resource persons in *National Workshop on Applied IPR & LL.M. Orientation* in collaboration with Singh and Singh Law Firm, November 25<sup>th</sup>, 2017.

Faculty development programme, 3rd March to 9th March 2018.

Two-day Training on Alternative Dispute Resolution, 11- 12 March 2018.

National Conference on Surrogacy vis-a-vis Adoption, April 13<sup>th</sup>, 2017.

### **National/International MoUs**

In this academic session Faculty of Law, University of Delhi has seen great surge in MOUs with International institutions. Process for signing MOU with academic institutions of the repute, such as Macquarie University, Australia has been initiated.

### **LL.M./Ph.D Awarded.**

Ph.D: 8

**Faculty Strength:** 150 (3 on leave)

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## **CAMPUS LAW CENTRE**

### **Major Activities and Achievements**

Campus Law Centre (CLC) has consistently been ranked among the top law schools in India. CLC organised K.K. Luthra Memorial Moot Court Competition in January 19-21, 2018 which saw participation from over 60 Universities including participation from International Universities such as Fitzwilliam College, Cambridge, Northumbria University Law School, University of Warwick, Bangor University Law School, University of Bristol Law School, United Kingdom, The George Washington University Law School, USA, Universitas Gadjah Mada, Indonesia, Pakistan College of Law, Lahore University of Management Sciences (LUMS), Pakistan, Sri Lanka Law College, Sri Lanka, Kathmandu School of Law, Nepal, London College of Legal Studies (South), Bangladesh and Hankuk University, South Korea. The Legal Aid Society of CLC held regular outreach and awareness programmes throughout the academic year. The Seminars, Debates and Discussions Society of CLC organised regular weekly presentations to promote the culture of debate and discussion. Various workshops and talks by various eminent international and national scholars were organised to give exposure to students. The Journal of the Campus Law Centre and Annual Report of CLC ‘Kaleidoscope’ are published annually. Students of CLC have won accolades in various moot court competitions and mediation competitions. Many students have secured admissions for further studies in various foreign universities.

## Honours/Distinctions

Professor (Dr.) Usha Tandon is a Member, Editorial Board, Private and Property Law International Journal, Nigeria.

International Academy of Family Lawyers (IAFL), awarded fully funded second Summer Studentship for Chicago, USA, to the student of Campus Law Centre- Ms. Mallika Agarwal for the month of July, 2018.

Professor S.C. Raina (on leave) is the Vice Chancellor, Himachal Pradesh National Law University.

Professor J.L. Kaul (on leave) is the Vice Chancellor, H.N.B Garhwal (Central University), Uttarakhand.

Professor Kamala Sankaran (on leave) is the Vice Chancellor, Tamil Nadu National Law School.

Mahalwar, Vandana has been selected for Fulbright-Nehru Postdoctoral Research Fellowship (2019) in the International Copyright Law announced by United States –India Educational Foundation (USIEF).

## Publications

Chakraborty, R. (2017). *West Bengal Land Reforms: A Step towards Socialism*. In Ajoy Kumar Datta & Manas Chakrabarty (ed.), *Propaganda and Democratic Politics in India*. 56-67. Kolkata: Levant Books Publications.

Chakraborty, Ruchita. (2018). Role of Judiciary in Social Change: An Analytical View. In Jitendra Sahoo (ed.), *Indian Federalism-The Recent Experiences*. 96-111. Kolkata: Levant Books Publications.

Gupta, N. (2017). Winding up of Companies-Legal position under companies Act, 2013 vis-à-vis Insolvency and Bankruptcy Code, 2016. *International Journal of Multidisciplinary Research Centre*. 3. Retrieved from [www.ijmrc.com](http://www.ijmrc.com).

Gupta, N. (2017). National Company Law Tribunal (NCLT)-A Single Window Institution for Corporate justice. *International journal of Research in Humanities, Arts and Literature*. 15 (4). Retrieved from [www.impatjournals.us](http://www.impatjournals.us).

Jarain, E. (2017). Human Rights Education: A Reliable Instrument to Promote and Protect Human Rights. *National Capital Law Journal*. XVI, 113-125.

Jeenger, K. (2017). Why not an Academician to the ICJ this Time. Retrieved from [www.livelaw.in/not-academician-icj-time](http://www.livelaw.in/not-academician-icj-time).

Kaul, J. L. and Jha, A. (eds.) (2018). *Shifting Horizons of Public International Law: A South Asian Perspective*. Germany, Springer Publications.

Kaur, H. (2017). Surrogacy (Regulation) Bill 2016 and Homosexual Parenting. *Journal of the Campus Law Centre*. 4(5), 119-132.

Koonan, S. and Cullet P. (Eds.). (2017). *Water Law in India - An Introduction to Legal Instruments*. New Delhi: Oxford University Press.

Koonan, S., Cullet, P. and Bhullar, L. (2017). Regulating the interactions between climate change and groundwater: lessons from India. *Water International*. 42(6), 646-662.

Mahalwar, V. (2017). Agreement on Trade-Related Aspects of Intellectual Property Rights versus Convention on Biological Diversity: A Call for Harmonization. In Tandon, U., Parasaran, M., Luthra, S. (eds.) *Biodiversity: Law, Policy and Governance*. 131-152. London: Routledge India.

Mishra, A. (2018). Property Rights in Outer Space: Responsible Exploration and Appropriation. In Raizada, Shafali (ed.) *Space Law: Emerging Trends and Policy*. 93-106. New Delhi, Satyam Law International.

Mittal, R. (2017). Mechanisms to make end-users of copyright works pay through collective rights management: International trends and Indian perspectives. *Journal of Campus Law Centre*. 4(5), 30-44.

Nagarwal, N. (2017). Media Concentration and Indian Secularism: Issues of National Integration and Communal Harmony, India. *International Journal of Juridical Science*. 6 (1-2), 55-68.

Singh, K. K. (2017). Global IP Regime and India's Innovation System: Legal Perspective. In Girish Kumar (ed.) *Globalization and India's Innovation System-A Creative Destruction*. 163-168. Kottayam, Mahatma Gandhi University, Kottayam publishers.

Singh, K. K. (2017). DNA Technology and Criminal Justice System in India: An Inquiry into the Truth, Objectivity and Impartiality. *Amity Law Watch*. 31, 5-17.

Singh, K. K. (2018). Health, Human Rights and Good Governance: A Critical Study with respect to Access to Essential Medicines. In Pradeep Kumar (ed.) *Human Rights Protection and Good Governance*. 26- 44. New Delhi: Regal Publications.

Singh, S. (2018). Politics of a New India - A Nationalistic Perspective (ed.) Shri Prakash Singh. *Feminist Jurisprudence in 21st Century and Relevancy of Vedas in Contemporary World*. 214-246. New Delhi: Rupa Publications.

Tandon, U. (2018). *Energy Law and Policy* (Ed.). New Delhi: Oxford University Press.

Tandon, U., Parasaran M. and Luthra S. (2018). *Biodiversity: Law, Policy and Governance*, (Ed). London, New York: Routledge, Taylor & Francis Group.

Tandon, U. (2018). Regulation of Nuclear Energy for Sustainable Development: A Critical Overview of International Regime with Special Reference to IAEA. In Usha Tandon (ed.), *Energy Law and Policy*. 45-74. New Delhi: Oxford University Press.

Tandon, U. (2018). Assessing Indian's Green Tribunal for Conservation of Biodiversity. In Usha Tandon et al (ed.), *Biodiversity: Law, Policy and Governance*. 200-230. New York, London: Routledge, Taylor and Francis Group.

Tandon, U. (2017). Emergent Challenges for Paris Climate Regime: CBDR in the Context of INDC. *National Green Tribunal, International Journal on Environment*. II, 19-28.

Tyagi, N. (2017). Linkage between Women Empowerment and Environment: Absence of Policy Initiatives and Legislations. In *Law and Society: Social Change of Marginalized Sections of Society*. 84-98. New Delhi: Regal Publications.

Tyagi, N. (2017). Ensuring Rights to Surrogates: Legal Safeguards and Reservations under the Assisted Reproductive Technology (Regulation) Bill, 2014, *Journal of Global Research and & Analysis*, 6(1), 29-38.

Tyagi, N. (2017). Tribal Rights in India and the Impact of PESA: Issues and Challenges to Implementation, *Social Action*, 67(3), 203-27.

Tyagi, N. (2017). UNDG and Inclusive Growth for Women: Ensuring A More Just World for the Other Half of the Population. *Indian Socio-Legal Journal*, 44 (1&2), 129-33.

Tyagi, N. (2017). Revision and Reforms in the Family Laws through Uniform Civil Code: An Unfinished Agenda towards Women Empowerment and Gender Justice. *Social Action*, 68 (1), 94-103.

Tyagi, N. (2017). Interplay between Consumer Welfare and Competition Laws. Retrieved from <http://jimsgnblog.blogspot.in/2017/09/interplay-between-consumer-welfare-and.html>.

Tyagi, N. (2017). Administrative Tribunals in India. Retrieved from <http://jimsgnblog.blogspot.in/2018/01/administrative-tribunals-in-india.html>.

Vandana. (2017). *The Third Gender Pleas for Identity and Equality-Some Reflections*. Delhi: Pragati Publications.

Vandana. (2017). Child Marriage under Hindu Personal law: Factum Valet or an Issue for Protection of Human Rights of Women. *ILI Law Review (Summer Issue)*. I, 175-197. Retrieved from <http://ili.ac.in/pdf/paper1117.pdf>.

Vandana. (2017). Marital Rape-Exemption under Indian Penal Code: Quest for Recognition and Liability. *ILI Law Review*. II (Winter Issue), 2-19. Retrieved from <http://ili.ac.in/pdf/vandana.pdf>.

Yadav, A. and Yadav, A. (2018). Gender Exfoliation: Legal Dynamics. Right to Abortion. *Time to Revisit the Medical Termination of Pregnancy – MTP Act 1971*. 209-221. Hyderabad: ICFAI Law School.

Yadav, S. (2017). Supreme Court on Death Penalty. *Journal of Legal Studies and Research*.3 (4), 38-47 Retrieved from <http://jlsr.thelawbrigade.com/wp-content/uploads/2018/01/Suman-Yadav-Amol-Shetty.pdf>.

#### **Number of Teachers serving as Editor(s)/Co-editor(s)/Member(s) of Editorial Board -09**

Kaur, Harleen: Member, Editorial committee, *Journal of the Campus Law Centre (JCLC)*, Vols I, II, IV & V: (2013, 2014, 2016-2017).

Koonan, Sujith: Member of Editorial Board: *Law, Environment & Development Journal* (<http://www.lead-journal.org/>). January , 2013- till date.

Mishra, Anumeha: Editorial Assistant, *Journal of Indian Law Institute*, Indian Law Institute January 2017 to June 2017.

Mittal, Raman: Editor, *Journal of Campus Law Centre*, Vols IV & V: 2017.

Raina, S.C: Editor in Chief, *Shimla Law Review*, HP National law University, Shimla. April, 2018.

Nagarwal, Narender: Editor, *Indian Journal of Law and Justice*, Department of Law, University of North Bengal, Darjeeling West Bengal. October, 2012- till date.

Nagarwal, Narender: Associate Editor, *Indian Journal of Law and Governance*, Department of Law, Cooch Behar Panchanan Barma University, Cooch Behar, West Bengal. February, 2018.

Tandon, Usha : Editor in Chief, *Journal of the Campus Law Centre (JCLC)*, University of Delhi, Vols. I, II, III, IV, (Since 2013- till date).

Tandon, Usha: Founder Member, Editorial Board, *Private and Property Law International Journal*, Nigeria.

Tandon, Usha: Chief Editor, *National Journal of Comparative Law (NJCL)*. September 2014 -till date.

Vandana: Member, Editorial Board, Journal of Tamil Nadu National Law School, Tiruchirapalli. April, 2017- till date.

Yadav, Suman: Member of Editorial Board *Asia Pacific Law and Policy Review*, [asiapacific.ccinternational.in](http://asiapacific.ccinternational.in). January, 2017- till date.

Yadav, Suman: Member of Editorial Board *Commonwealth Law Review Journal*, [clrj.ccinternational.in](http://clrj.ccinternational.in). June, 2016- till date.

### Research Projects

National Human Right Commission, *The Status and Future of Legal Education in Indian law Schools*. Project at HPNLU Shimla. 2017, Raina, SC., Grant received – Rs. 12 Lacs.

Global Green Grants Fund, *Water ATMS—Sustainability Impact Assessment*, 2016-2018, Koonan, Sujith. Grant received - 7106 USD..

Law Commission of India, *Hate Speech Report No. 267*, 2017, Mishra, Anumeha, worked as a Consultant.

### Seminars /Workshops Organised

Prof. (Dr.) Nuzhat Parveen Khan, Dean, Faculty of Law, Jamia Millia Islamia, Prof. T.C. James, Former President, National Intellectual Property Organization (NIPO) and Visiting Fellow, Research and Information System for developing Countries, Dr.Zakir Thomas IRS, Additional Director General of Income Tax, Central Board of Direct Taxes, Ministry of Finance and Former Registrar of Copyright Government of India, Dr.Raman Mittal, Associate Professor, CLC, Mr. Pravin Anand, Managing Partner, Anand and Anand Law Offices, Dr. Rekha Chaturvedi, MHRD IPR Chair Professor, Cluster Innovation Centre, University of Delhi, Mr. Shhaurya Sah, Head of IPR Division, Alba Law Offices and Hon'ble Mr. Justice Rajiv Sahai End law, Judge, High Court, Round Table Discussion on '*Copyright Law with Special Reference to Educational Institutions*' to commemorate the occasion of World Intellectual Property Day, organised by Campus Law Centre in collaboration with Cell for IPR Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, April 27, 2017.

Campus Law Centre in association with Dr. Surat Singh, Advocate, Supreme Court of India successfully organised "*Lecture Series on Supreme Court Lawyering*" in which Hon'ble Judges from the Supreme Court of India, High Court of Delhi, and Top Senior Advocates delivered lectures on diverse topics. Initiated in the first week of September 2017, lectures were held every week in the Campus Law Centre in the following sequence:

The Inaugural Lecture was delivered by Hon'ble Mr. Justice A.K. Sikri, Judge, Supreme Court of India on the topic "*Qualities of a top Lawyer and how to cultivate them*" on September 1, 2017.

Second Lecture of the Lecture Series was delivered by Mr. Parag P. Tripathi, Senior Advocate Supreme Court of India on the topic "*From Client Conference to Court Presentation*" on September 9, 2017.

Third Lecture of the Lecture Series was delivered by Hon'ble Mr. Justice S. Ravindra Bhat, Judge, High Court of Delhi on the topic "*How Do I Read Court File, Hear An Argument And Write A Judgment.*" on September 16, 2017.

Fourth Lecture of the Lecture Series was delivered by *Hon'ble Ms. Justice Gita Mittal, Acting Chief Justice, High Court of Delhi* on the topic "*Challenges and Opportunities for a Female Lawyer/Judge.*" on September 23, 2017.

Fifth Lecture of the Lecture Series was delivered by *Mr. Sidharth Luthra, Senior Advocate, Supreme Court of India* on the topic "*How to Prepare a Criminal Case?*" on October 27, 2017.

Sixth and Seventh Lectures of its popular lecture included as speakers, cherished alumni of Campus Law Centre, *Hon'ble Mr. Justice Deepak Gupta, Judge, Supreme Court of India and Senior Advocate Mr. Mohan Parasaran, Former Solicitor General of India.* The topics chosen for these two lectures were - "*To be an Effective Lawyer, what matters most? –Connections or Competence?*"; and "*How to prepare the case for Government and Argue it before the Court*" on 11<sup>th</sup> November, 2017.

Eighth lecture the Lecture Series was delivered by *Mr. Rupinder Singh Suri, Senior Advocate and President, Supreme Court Bar Association* on the topic "*How to Make Contribution to Society Through Legal Profession*" on 17<sup>th</sup> November, 2017.

Ninth Lecture of the Lecture Series was delivered by *Dr. Surat Singh, Advocate, Supreme Court of India* on the topic of "*How to mobilize cash flow*" on November 24, 2017.

The Valedictory Lecture was delivered by *Sh. Kapil Sibal, Member of Parliament, Rajya Sabha, Senior Advocate, Supreme Court of India and Former Minister of Law and Justice and Minister of Communications and Information Technology* on the topic "*Law and Politics*" on March 26, 2018.

Mr. Justin Swinsick, Director of Graduate Admissions, at Georgetown University Law Centre, spoke on prospects of studying law at Georgetown University, October 12, 2017.

Dr. Kavita Solanki, Assistant Professor, USLLS, Guru Gobind Singh Indraprastha University, Ms. Archana Mishra, Assistant Professor, Jindal Global Law School, Ms. Latika Vashist, Assistant Professor Indian Law Institute. Prof. S. K. Verma, Secretary General, The Indian Society of International Law, Prof. Bharati Baveja, Director, Women Studies and Development Centre, University of Delhi, Prof. Ramesh C. Bhardwaj, Professor, Department of Sanskrit, University of Delhi etc adjudged the *Intellectual Beauty Contest on The Competition of Legal Rights of Women*, organised by Campus Law Centre in Collaboration with National Commission for Women, New Delhi, 25<sup>th</sup> and 26<sup>th</sup> of October, 2017.

Campus Law Centre organised *Intellectual Beauty Contest-II, Competition on Population Laws* on February 26, 2018, in the Seminar Hall, CLC to create awareness about this field of law among students. "*Does India need a Population Stabilization Law?*" The Final Round was judged by a panel of three judges, Sh. Suresh Chandra, ILS, Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India; Professor Krishan Mahajan, Additional Registrar, Supreme Court of India and Former Dean, School of Law, National Law University, Orissa and Professor (Dr.) Usha Tandon, Professor-in-Charge, Campus Law Centre.

Hon'ble Ms. Justice Mukta Gupta, Judge, High Court of Delhi inaugurated the *National Seminar on "Women with Disabilities: Law and Policy"* and the Chief Guest for the Valedictory session was Hon'ble Mr. Justice Ashok Bhushan, Judge, Supreme Court of India, organised by the Campus Law Centre to mark the occasion of International Women's Day on March 10, 2018. Resource persons included Prof. (Dr.) Nimesh G. Desai, Director, Institute of Human Behaviour & Allied Sciences (IHBAS), Ms. Seema Baquer, Director, Concerted Action (CAN), Prof. (Dr.) Usha Tandon, Professor-In-Charge, Campus Law Centre, Prof. Nilika Mehrotra, Professor, School of Social Sciences, JNU, Prof. Anita Ghai, Professor, School of Human Studies, Ambedkar University, Delhi, Ms. Roma Bhagat, Advocate, Supreme Court of India, Dr. Nachiketa Mittal, Assistant Registrar (Research), Supreme Court of India, Mr. Jai Dehadrai, Standing Counsel, Government of Goa, Mr. Pankaj Sinha, Advocate, Supreme Court of India..

Ms. Sandra Aisling Duffy, a Ph.D. scholar at the Centre for Criminal Justice and Human Rights, University College Cork, Ireland talked on *Sexual Orientation and Gender Identity Rights* organised by Debates and Discussions Society (DDS), April 7, 2017.

Ms. Pamela C. Gavin, Managing Member at Gavin Law Offices, USA talked on *The Impact of IP Protection on the Entertainment Agency*, organised by Debates and Discussions Society (DDS) of Campus Law Centre, on April 10, 2017.

### **Conferences Organised**

Campus Law Centre co-organised a conference on *Quality Control in Preliminary Examination: Reviewing Impact, Policies and Practices* with Centre for International Law Research and Policy held at Peace Palace, The Hague, 13-14 June 2017.

Campus Law Centre co-organised a *conference project on Philosophical Foundations of International Criminal Law: Its Intellectual Roots, Related Limits and Potential* with the Centre for International Law Research and Policy with funding from the Norwegian Ministry of Foreign Affairs and the International Nuremberg Principles Academy, held at the Indian Law Institute, New Delhi, 25-26 August 2017.

Campus Law Centre in *collaboration with Mrs. Nirmal Luthra* organised International Moot Court Competition, *the 14th Edition of K.K. Luthra Memorial Moot Court Competition* in Campus Law Centre. Over 60 Universities participated in the event including International Universities such as Fitzwilliam College, Cambridge, Northumbria University Law School, University of Warwick, Bangor University Law School, University of Bristol Law School, United Kingdom, The George Washington University Law School, USA, Universitas Gadjah Mada, Indonesia, Pakistan College of Law, Lahore University of Management Sciences (LUMS), Pakistan, Sri Lanka Law College, Sri Lanka, Kathmandu School of Law, Nepal, London College of Legal Studies (South), Bangladesh and Hankuk University, south Korea, 19-21 January, 2018.

### **Seminar/Conference Presentations**

Chakraborty, Ruchita, Presented paper, “The Idea of Social Justice and Dr. Ambedkar” in *National Seminar on Relevance of Ideas of Dr. B.R. Ambedkar in Present Time*, Sponsored by Indian Council of Social Science Research (ICSSR) and Indian Political Science Association (IPSA), Organised by Ch. Charan Singh University, Meerut, March 31- April 1, 2017.

Chakraborty, Ruchita, Presented paper, “The Higher Judiciary and Politics: With Special Reference to the National Judicial Appointment Commission”, *International Seminar on Challenges to Indian Polity: Concepts and Issues*, Organised by University of Gour Banga, Malda, West Bengal, July 20-21, 2017.

Chakraborty, Ruchita, Presented paper, “Surrogacy Contracts and the Rights of Surrogate Mothers” *International Conference on Human Rights and Gender Justice*, Organised by Indian Society of International Law, New Delhi, August 6, 2017.

Chakraborty, Ruchita, Presented paper, “The Jute Industry in West Bengal – An Analysis of the Legal Regime and Environmental Concerns”, *International Conference on Local Issues Global Resolutions: Ecology, Environment, Climate & Economy*, Organised by Raiganj University, West Bengal, January 10-11, 2018.

Chawla, Alka, Resource Person, Roundtable on *Leadership Session on ICT-related Research and Innovation contributing to the IP Ecosystem in India*, organised by IIT and European Trade and Business Council, March 6, 2018.

Chawla, Alka, Resource Person, Roundtable on *Leadership Session on ICT-related Research and Innovation contributing to the IP Ecosystem in India*, Organised by IIM, Ahmedabad, Gujarat University and European Trade and Business Council, March 9, 2018.

Chawla, Alka, Resource Person, “Copyrights and their protection” in the Faculty Development Programme on *Skill based Teacher's Training in ICT, IPR and Research*, organised by Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi, March 8, 2018.

Chawla, Alka, Resource Person, “Copyright Importance, Identification, registration and Case studies” and “Piracy and Plagiarism: Identification and Prevention in the light of Publications”, *Workshop, Training the Trainers*, organised by Cell for IP Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, GOI, at Jaipur, 19 February 2018.

Chawla, Alka, Resource Person, “Introduction and Significance of IP” and “Copyright and its Significance”, Two day Workshop on *Idea to Asset*, organised by Directorate of Research and Innovation, Nirma University and IP Protection Organization (IPPO), Ahmedabad, February 2, 2018.

Chawla, Alka, Resource Person, “Administrative Law”, 33rd International Training Programme in *Legislative Drafting for Foreign Parliamentary/Government Officials / Government Officials*, Bureau of Parliamentary Studies and Training (BPST) of the Lok Sabha Secretariat, Delhi, January 31, 2018.

Chawla, Alka, Guest of Honour, *National Seminar on IPRs: Issues and Challenges*, organised by Sharda University NCR, 19 January 2018.

Chawla, Alka, Resource Person, “Overview of Copyright Act, 1957- Legal Framework for Enforcement and Role of Police”, *Two Day Workshop* organised by The Sardar Vallabhbhai Patel National Police Academy, Hyderabad, November 27, 2017.

Chawla, Alka, Resource Person as National Expert in *IPR for European Business Trade Council at 5th Indo European IP Conference* held in SCOPE, Delhi, November 27, 2017.

Chawla, Alka, Resource Person, 'Origin & Development of the IPR Legal Regime, International & National Developments, Constitutional Imperative, Legislative Measures', *Orientation Programme on IP Rights and Enforcement for officers of DHJS and DJS* at Delhi Judicial Academy, Delhi, November 24, 2017.

Chawla, Alka: Resource Person, "Copyright Issues and Plagiarism", *IPR Awareness Workshop*, at Shivaji College, DU, organised by DIPP, IPR Chair and Centre for Science and Communication, DU, September, 27, 2017.

Jeenger, Kailash, Presented paper, "Role of RTI in Sustainable Development and Good Governance", *International Seminar on Convergence of Development, Governance and Civil Society*, organised at Department of Public Administration, University of Rajasthan, Jaipur, January 24-25, 2018.

Jeenger, Kailash, Presented paper, "Contribution of Dr. Ambedkar in the Development of Indian Labour Legislation", *National Seminar on Multi-Dimensional Personality of Dr. Ambedkar*, organised at Ambedkar Foundation, Mundala, Jaipur, December 6, 2017.

Kaur, Harleen, Presented paper, "Protection of Rights and Dignity of Women with Disabilities under the Mental Healthcare Act, 2017" in National Seminar on *Women with Disabilities: Law and Policy* organised by the Campus Law Centre, University of Delhi, March 10, 2018.

Koonan, Sujith, Delivered lecture, "Critical Approaches to Environmental Law in India" National Law University Odisha, September 25, 2017.

Mahalwar, Vandana, Resource Person, *Training Programme for Legal Officers of Myanmar*, organised by Ministry of External Affairs and Indian Law Institute, July 24-28, 2017.

Mishra, Anumeha, Presented paper, "Human Rights and Individual Obligations: Examining the Horizontal Application of Rights" in McGill Law Graduate Conference, *Governing Our Commons: What Matters to Us Today*, organised at Faculty of Law, McGill University, Montreal, Canada May 13- 14, 2017.

Mittal, Raman, Presented paper, "Mystery of Public Interest vis-à-vis Intellectual Property Construct", Seminar on *Intellectual Property Rights and Public Interest*, organised by Indian Law Institute, New Delhi, April 7, 2017.

Mittal, Raman, Presented paper, "Access to Books: Exploring the Source and Ways to Enforce", *Seminar on Copyright* organised by NLU Jodhpur, April 8, 2017.

Mittal, Raman, Resource person, "IPR Jurisprudence in the Present Day Adjudication", *Orientation Programme on IP Rights and Enforcement for Sri Lankan Judges* organised by Delhi Judicial Academy, April 19, 2017.

Mittal, Raman, Presented paper, "Copyright Law with Special Reference to Academic Institutions" *Round-Table Discussion on World Intellectual Property Day*, organised by Campus Law Centre, University of Delhi, April 27, 2017.

Mittal, Raman, Resource person, "Intellectual Property Rights on the Internet", *Training Programme for DJS*, organised by Delhi Judicial Academy, April 28, 2017.

Mittal, Raman, Resource person, "Origin & Development of Copyright", *Orientation Programme on IP Rights and Enforcement*, organised by Delhi Judicial Academy, May 19, 2017.

Mittal, Raman: Resource person, "Intellectual Property Rights on the Internet", *Training Programme for DJS*, organised by Delhi Judicial Academy, May 26, 2017.

Mittal, Raman, Presented paper, "P2P file sharing and Infringement" and "Compulsory Licenses and Statutory Licenses under Copyright Law", *Third Refresher Course for Law Teachers on Developmental Perspectives of Intellectual Property Law*, organised by Inter University Centre for Intellectual Property Rights Studies, Cochin University of Science and Technology, June 20, 2017.

Mittal, Raman, Presented paper, "Demystifying IPR in Technology Transfer: Licensing Concerns" Webinar organised by Indian Institute of Corporate Affairs, June 30, 2017.

Mittal, Raman, Presented paper, "Copyright Remedies Breach vis-à-vis Infringement: The Contract-Property Frontier", *Seminar on Intellectual Property*, organised by National Law University, Delhi, July 3, 2017.

Mittal, Raman, Presented paper, “IPR Jurisprudence in India” organised by Cochin University of Science and Technology at Cochin, July 17, 2017.

Mittal, Raman, Presented paper, “Digital Licensing: Managing Digital Rights in Libraries” organised by National Law University, New Delhi, August 9, 2017.

Mittal, Raman, Resource person, “Fundamentals of Copyright”, FICCI-IPO Awareness Program on Intellectual Property Rights, organised by University of Delhi, 15 September 2017.

Mittal, Raman, Presented paper, “Leveraging IPR Ecosystem for Accelerating Startups: Brand Commercialization through Licencing”, organised by University of Delhi at PHD House, November 24, 2017.

Mittal, Raman, Resource person, “IPR Adjudication”, Training programme for judges, organised by Delhi Judicial Academy, November 24, 2017.

Mittal, Raman, Resource person, “IPR Jurisprudence in the Present Day Adjudication”, Training programme for Sri Lankan judges, organised by Delhi Judicial Academy, December 09, 2017.

Mittal, Raman, Resource person, “IPR Jurisprudence”, Training programme for Bangladesh judges, organised by Delhi Judicial Academy, January 16, 2018.

Mittal, Raman, Presented paper, “IP Issues in the Online Platforms: Role and Responsibility of Internet Intermediaries”, 2nd Asia-Pacific Workshop on Innovation, Intellectual Property and Competition, organised by National Law University Delhi, February 6, 2018.

Nagarwal, Narender, Presented paper, “Injustice, Intimidation and Intolerance-Arguing the Indian Variety of Communalism and Legislative Response”, in the National Seminar on Equality, Discrimination and Differences in Globalised World, organised at Department of Law, University of North Bengal, Darjeeling, 9-10 September 2017.

Nagarwal, Narender, Presented paper, “Law, Governance and State Regulations of Industrial Relations In A Globalized Era-An Assessment”, International Conference on Recent Innovation in Management, Accounting, Business and Entrepreneurship, organised at Department of Management Studies, University of North Bengal, Darjeeling, 22-24 November, 2017.

Nagarwal, Narender, Presented paper, “Media Violence, Minorities and Legislative Apathy: An Analysis through the Prism of Constitutional Scheme of Secularism”, International Seminar on Reinventing Nationalism-Secularism and Plurality-Media Discourse and Deconstruction, organised at Department of Communication and Journalism, Guwahati University, Guwahati, Assam, India in collaboration with Department of Mass Communication, Mizoram University, Aizawl, India, November 11-12, 2017.

Namrata, Gupta, Presented paper, “Live in relationship an emerging concept”, National Seminar on Family Law: Contemporary Issues and Challenges, on 26th February, 2017.

Neha, Presented paper, “Human Rights of Persons with Disabilities” in International Conference on Human Rights and Gender Justice organised by the Knowledge Steez & Youth for Human Rights India, August 6, 2017.

Neha, Presented paper, “United Nation Convention on the Rights of Persons with Disabilities: A Human Right Approach”, National Seminar organised by Jamia Millia Islamia University, November 1, 2017.

Neha, Presented paper, “Higher Education and Persons with Disabilities” in National Seminar on Rights of Persons with Disabilities: Contemporary Developments, organised by Law Centre –II, University of Delhi in collaboration with Association of Disabled People, February 12, 2018.

Neha, Presented paper, “Abuse and Denial of Sexual and Reproductive Rights of Women with Disabilities in India”, National Seminar on Women with Disabilities: Law and Policy, organised by Campus Law Centre, March 10, 2018.

Raina, S.C, Presented paper, “Comparative Analysis of Criminal Law in India and France”, International Conference on Comparative International Law, organised by Sookvi University, Taiwan, February 16, 2018.

Raina, S.C., Conference Director, National Conference on Paradigmatic Shifts in Law and Justice in 21st Century: Challenges & Opportunities, organised by HPNLU, Shimla at Shimla, December 8-10, 2017.

Raina, S.C, Delivered Lecture, “Possibilities of Standardizing Legal Education Internationally”, Global Dean's Conference at Symbiosis Law School, Pune, July, 2017.



Singh, Kshitij Kumar, Resource Person, FICCI-IPO IPR Awareness Program 2017 (A Government of India Initiative), Amity University UP (NOIDA Campus), Noida, August 25, 2017.

Singh, Kshitij Kumar, Resource Person, National Conference on Intellectual Property Rights at PHD Chamber of Commerce and Industry August Kranti Marg New Delhi, November 24, 2017.

Singh, Kshitij Kumar, Keynote Speaker, National Conference on Environment Law, Health and Sustainable Development, organised by CHESD in association with Ministry of Environment & Forests and Climate Change, Siddhartha Law College, Dehradun, January 7, 2018.

Singh, Kshitij Kumar, Resource Person, One Week (6 days) Professional Skill Development Training Program on IPR, organised at Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM), Government of India, Nagpur, January 15-20, 2018.

Singh, Kshitij Kumar, Resource Person, FICCI-IPO Awareness Program on Intellectual Property Rights, organised by FICCI in collaboration with IPO Government of India at Jamia Millia Islamia, New Delhi, February 9, 2018.

Singh, Kshitij Kumar, Resource Person, One-Day Training Program on Intellectual Property, ONGC Academy Dehradun, March 22, 2018.

Singh, Kshitij Kumar, Resource Person, National IPR Policy and Innovation, organised by SAGE University and sponsored by NRDC Ministry of S&T, Government of India at Indore, March 24, 2018.

Singh, Seema: Presented paper, "Interface between Law and Economics-The Indian Experience" in an International Conference, on *Global Challenges and Solutions*, organised at Lucknow University, April 14-15, 2018.

Singh, Seema: Presented paper, "One Nation One Election Theory- How Practical is the Idea to Implement in India", *Conference on One Nation One Election*, organised by Rambhau Mhalgi Prabodhini Trust" and Indian Council of Social Science Research" at Thane, Mumbai, January 20-21, 2018

Tandon, Usha, Chief Guest, *National Seminar on Emerging Issues in Environmental Law: National Perspective*, organised by ICFAI University, Dehradun, March, 30-31, 2018.

Tandon, Usha, Guest of Honour, *International Seminar on Women and Law*, at Indian Law Institute, New Delhi, organised by Law Mantra, January, 13, 2018.

Tandon, Usha, Chaired a Session, "Role of Judicial Precedents in Shaping Environmental Jurisprudence", *National Seminar on Emerging Issues in Environmental Law: Indian Perspective*, organised by ICFAI University, Dehradun, March, 30-31, 2018.

Tandon, Usha, Chaired a Session, *National Seminar on Women with Disability*, organised by Campus Law Centre, University of Delhi, March, 10, 2018.

Tandon, Usha, Chaired a Session, *SEE Summit: Decoding Quality Education*, organised by Central Academy Jodhpur, at Jodhpur, December, 16, 2017.

Tandon, Usha, Chaired a session, "Fundamental Legal Goods Protected by International Criminal Law", *International Conference on Philosophical Foundations of International Criminal Law: Its Intellectual Roots, Related Limits and Potential*, organised by CILRAP at Indian Law Institute, New Delhi, August 25-26, 2017.

Tandon, Usha, Chaired a session, "The Normative Framework of Preliminary Examinations", *International Conference on Quality Control in Preliminary Examinations: Reviewing Impact, Policies and Practices*, organised by CILRA, at Hague, Netherlands, June 13-14, 2017.

Tandon, Usha, Presented paper, "Preliminary Examination of Rape and Other Forms of Sexual Violence in International Criminal Law: A Feminist Analysis", *International Conference on Quality Control in Preliminary Examination: Review of Impact, Policies and Practices*, organised by CILRAP at Hague, Netherlands, June, 13-14, 2017 .

Tandon, Usha, Panelist, "Right to Food in India- Rising Population and Shrinking Pie", *National Seminar on Unadulterated Food, Pure Water & Clean Air are our Rights U/A 21: Whether Government Ensures these Rights?*, organised by TAXAB at Indian Society of International Law (ISIL), May 14, 2018.

Tandon, Usha, Presented paper, "Renewable Resources to Combat Climate Change", *International Conference on Climate Change: Impact and Responses organised by Common Ground Research Networks*, University of Illinois, USA at Cambridge, United Kingdom, April, 21-22, 2017.

Tandon, Usha, Resource person, "Air (Prevention and Control of Pollution) Act, 1981", *Training Programme for Water and Air Quality Monitoring, Sampling, Analysis and Data Management*, sponsored

by Department of Environment, Govt. of Haryana, at Haryana Institute of Public Administration, Gurugram, April 17, 2018.

Tandon, Usha, Panellist, “Trafficking of Persons (Prevention, Protection and Rehabilitation) Bill, 2018”, *International Conference on Human Trafficking: Legal and Technological Perspectives for Solutions within South Asia*, at India International Centre, N.D. organised by SAARCLAW, March 24, 2018.

Tandon, Usha, Delivered Seminar Lecture, “Legal Issues in Paris Agreement and Developing Nations” at South Asian University, March 22, 2018.

Tandon, Usha, Resource person, “Feminist Critique of Disaster Management Act, 2005”, *International Conference on Reinforcing Institutional Decision Making in Disaster Preparedness and Mitigation*, organised by Special Centre for Disaster Research, Jawahar Nehru University, New Delhi, at JNU, Feb. 16-18, 2018.

Tandon, Usha, Delivered lecture, “Judicial Interpretation of Domestic Violence Act, 2005” at Banaras Hindu University, Faculty of Law, January, 23, 2018.

Tandon, Usha, Delivered Keynote Address, “Role of NGT in the Protection of Environment: Innovative Techniques for Progressive Environmental Jurisprudence”, Session on “Environmental Degradation & Environmental (in) Justice”, *National Conference on Paradigm Shifts in Law and Justice in 21<sup>st</sup> Century: Challenges & Opportunities*, organised by HPNLU, Shimla, at Shimla, December 8-10, 2017.

Tandon, Usha, Thematic Expert, *National Consultation on Applicability of Pre-Nuptial Agreements in India*, organised by National Commission of Women, New Delhi, at NCW office, August 18, 2017.

Tandon, Usha, Panelist, “Strengthening Human Rights Jurisprudence with special Reference to Women”, *Sensitization Program on Human Rights and Law*, organised by Delhi Judicial Academy, Delhi, April 1, 2017.

Tyagi, Neelam, Presented paper, “The International Criminal Court for Combating Impunity: Past, Present and Future”, *46th Annual Conference*, organised by The Indian Society for International Law, New Delhi, April 29-30, 2017.

Tyagi, Neelam, Presented paper, “Emerging Role of Arbitration in Resolving Intellectual Property Right Disputes: Scope and Need”, *International Conference on Alternative Dispute Resolution*, organised by Sharda University, Greater Noida, February 16, 2018.

Vandana, Presented paper, “Clinical Legal Education: Challenges Faced by the Central Universities in India”, *9<sup>th</sup> GAJE Conference*, held in Mexico, on December 5, 2017.

Yadav, Anita, Presented paper, “Right to Abortion: Time to Revisit the Medical Termination of Pregnancy – MTP Act, 1971” in *National Conference on Gender Exfoliation: Legal Dynamics*, organised at ICAFI Law School Hyderabad, November 18-19, 2017.

Yadav, Anita, Presented paper, “Protection of Environment during armed conflict: A Silent causality of war” in *47<sup>th</sup> Annual Conference of the Indian Society of International Law (ISIL)*, organised at ISIL Delhi, May 12, 2018.

Yadav, Anita, Presented paper, “Non- International Armed Conflicts: A Contemporary Challenges In International Humanitarian Law” in *National Conference on International Humanitarian Law* organised by All India Law Teacher Congress & International Committee of the Red Cross (ICRC), at ISIL Delhi, June 16-17, 2018.

Yadav, Anita, Presented paper, “Protection of Child Rights during Armed conflict: The Dichotomy between Rhetoric and Reality” in *International Conference on Protection of Women and Children Rights: Issues and Challenge* organised by Law Mantra, at Indian Law institute (ILI) Delhi, June 16, 2018.

Yadav, Anita, Resource Person, *International Conference on Protection of Women and Children Rights: Issues and Challenge*, organised by Law Mantra, at Indian Law institute (ILI) Delhi, June 16, 2018.

Yadav, Anita, Resource Person, *3<sup>rd</sup> National Conference on Human Rights and gender Justice* organised by Knowledge Steez, at Indian Law institute (ILI) Delhi, June 23, 2018.

### **Other Inter-Institutional Collaboration**

Various events were organised in collaboration with DSLSA (Delhi State Legal Services Authority, New Delhi).

Conferences were organised in collaboration with the Centre for International Law Research and Policy, Belgium.

Intellectual Beauty Contests were organised in collaboration with National Commission for Women, New Delhi.

### **Students under Exchange Programme**

Mr. Itay Abramovitch from Israel studied one semester at CLC on casual affiliation for the Academic year 2017-18.

### **Placement Details (Number and percentage of students placed)**

Nine (9) Students of the Campus law Centre were provided with the Job Opportunities with Tata Power, Singh and Associates, Alba Law Partners, Actus Legal Associates, Advocate Neelima Tripathi, MCO Legal, and Legistify in addition to around Forty (40) Students who were provided with the internship opportunities with Hon'ble Ms. Justice Sangita Dhingra Sehgal and other Senior Advocates, NGOs, top law firms and corporate houses such as MCO Legal, Legistify, Singh and Associates, Tata Power, Alba Law Partners, P&A Law Offices, A2z Group, Tri Legal, Actus Legal, Forum For Trade Remedies, Eastman Auto And Power Ltd, Bharucha And Partners, Khaitan & Co. etc.

### **Extension and Outreach Activities**

Under the flagship of Hon'ble Ms. Justice. Gita Mittal, DSLSA has initiated a Door to Door Mass Legal Literacy Campaign Anganwadi Project: Dehleej in June, 2017 in which Para Legal Volunteers (PLVs) from CLC participated.

PLVs from CLC assisted the South, Central & West DLSA DLSA in establishing these Help Desks in traffic courts in Saket Court and Tis Hazari Courts Complex on July 6, 2017.

PLVs from CLC Participated in the National Lok Adalat at Saket Court and Karkardooma Court Complex on July 8, 2017.

PLVs from CLC Participated in a Legal Literacy class on "Environment-Protection, Preservation, Conservation and Maintenance" organised by South DLSA to empower panel advocates and PLVs regarding the various Laws and Policies related to Environment Protection and various latest Judgments of NGT in this regards at Saket court complex on July 17, 2017.

PLVs from CLC assisted the South DLSA in setting Help Desk In Traffic Courts at Saket Courts Complex on July 19, 2017.

PLVs of CLC participated in National Seminar on "Role of Law Schools' Legal Aid Clinics in Facilitating Access to Justice" Organised by NALSA on July 31, 2017.

### **Activities undertaken by the Legal Aid Society, CLC**

In the academic year 2017-18 Legal Services Clinic in Campus law Centre assisted more than 140 Cases in various Legal Aid matters.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Majnu Ka Tila, September 6, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Bengali Colony, September 6, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Andha Mughal and Peer Bagichi, September 13, 2017

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Shakti Nagar Railway Bridge and Nandlal Jhuggi, Gopalpur, September 19, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Community Outreach Programme at Indira basti and Sanjay basti, September 26, 2017.

Legal Aid Society, CLC in association with DSLSA organised Para Legal Volunteers Training at CLC, October 13-14, 2017

Legal Aid Society, CLC in association with DSLSA organised Tihar Jail visit, October 24, 2017.

Legal Aid Society, CLC in association with DLSA Central organised Aadhar Card Camp & Community Outreach, March 19 and 23, 2018 at Burari and Timarpur respectively.

Legal Aid Society, CLC in association with DLSA organised Awareness Programme on AIDS, HIV Testing, Counselling and Poster Making Competition in Campus law Centre on April, 7, 2018.

### **Faculty Strength**

10 permanent faculty members (3 on leave.)

28 Full Time Ad-Hoc

7 Guests

After January 30, 2018 Regular Appointments to the post of Assistant Professors were made therefore, now 48 Permanent Faculty Members (3 on leave).

### **Other Significant Information**

With a view to spread awareness and sensitivity in virtues of sanitation and cleanliness which was a positive step towards the achievement of the Swachh Bharat Abhiyaan (Clean India Mission), a *Swachhta Pakhwada, 2017* was organised by Campus Law Centre, University of Delhi, to spread the message of cleanliness, not only among students but also in surrounding areas. Various events were organised under the Supervision of Professor-In-Charge Prof. (Dr.) Usha Tandon. The initiative commenced with a Pledge Taking Ceremony on September 7, 2017 followed by the cleanliness drive on September 11 2017 in the Campus Law Center, the Poster Making Competition on September 14, 2017 in the Auditorium at the Campus Law Centre and was concluded with a Tree Plantation Drive on September 15, 2017 in the garden area at the Campus Law Centre.

Tandon, Usha, Member, Delhi State Legal Services Authority, March, 03, 2018 to March, 02, 2020.

Tandon, Usha: Expert Member for the Selection Committee Meeting for the post of Assistant Professors, Management and Engineering Research Institute, New Delhi, February, 12, 2018.

Tandon, Usha: External Expert for Senior Research Fellow, Faculty of Law, Banaras Hindu University, January, 23, 2018.

Tandon, Usha: Expert Member, Selection Committee Meeting for the post of Research Associate and Research assistant, ICPS, at Lok Sabha January, 13, 2018.

Raina, S.C, Expert, Framing legal curriculum and pedagogy at Nirma Institute of Law, Ahmedabad in September, 2017.

Raina, S.C, Inaugurated two national seminars one at Dehradun and another in Gwalior in the month of March, 2018.

Raina, S.C: conducted first National Law Entrance Test for HPNLU separate from CLAT in April-May, 2017.

The Campus Law Centre Student's Union with its President Mr. Achint Kumar conducted an Intra-Moot Court Competition (Arguendo 2017) on March 4-5, 2017.

Legal Aid Society, CLC in association with DSLSA organised Para Legal Volunteers Training for students of Campus Law Centre in the seminar hall of CLC on October 13-14, 2017.

The Debate and Discussion Society organised CONFERO- A National Debate Competition on "Right to Information is being Grossly Misused" was organised on April 16, 2018. The Panelists were Mr. Subash Chandra Agrawal, RTI activist and Guinness Record Holder and Assistant Professor, Campus Law Centre, Dr. Rohit Moonka.

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## **LAW CENTRE I**

### **Major Activities and Achievements**

Law Centre – I (LC-I) of the Faculty of Law, under the leadership of Prof. Ved Kumari has been at the forefront of academic, and co-curricular activities during 2017-18. LC-I organised a short-term course on GST, which was the outcome of a seminar on GST organised in collaboration with GSTStreet on 26<sup>th</sup> September 2017. Further, LC-I organised its hallmark mootng event, the XIVth LC-I, All Delhi (NCR)

Moot Court Competition on 31<sup>st</sup> March 2018. On the co-curricular front, the Legal Services Society (LSS) of LC-I has been actively engaged in providing legal aid and awareness to people in Delhi. The Paralegal Volunteers (PLVs) have been working very closely with the Delhi State Legal Services Authority (DSLISA) and have successfully executed several projects assigned to them by DSLISA.

## **Publications**

Devi, P. (2017). Criminal Jurisdiction of State under International Law. *Army Institute of Law*, X, 258-268.

Khaute, K. M. (2017). The Mental Healthcare Act 2017- An Inclusive Approach to Health in India. *International Journal of Law and Policy Review*, 7(1), 113-133.

Kumari, V. and Barn, R. (2017). Sentencing in Rape Cases: A Critical Appraisal of Judicial Decisions in India. *Journal of Indian Law Institute*, 39(1), 1-25.

Lekhi, P. and Khaute, M. (2017). Appointment of the Chief Minister: Governor's Discretion or Constitutional Duty? *International Journal of Legal Studies and Research*, 6(2), 224-233.

Mallaya, S. and Sinha M. (Ed). (2017). *Emerging competition law*. Gurgaon, Haryana: Wolters Kluwer.

Mallaya, S. (2017). Competition law and copyright law in India: An interface. *Company Law Journal*, (3), 61-68.

Mallaya, S. (2017). Emerging jurisprudence of competition law and intellectual property rights in India: Issues and challenges. *Indian Bar Review*, 44 (3), 107-123.

Mallaya, S. (2018). Documentary credit and money laundering: An overview. *Chartered Secretary*, 48 (4), 72-74.

Mallaya, S. (2017). Competition law and consumer welfare. In Sairam Bhat (ed), *Privatization and globalization, changing legal paradigm*, 146-157. Kolkata, West Bengal: Eastern Law House.

Mallaya, S. (2017). Abuse of dominance and the doctrine of essential facilities: An interface. In Mallaya, Susmitha & Sinha Manoj (eds.) *Emerging Competition Law*, 161-175. Gurgaon, Haryana: Wolters Kluwer.

Ranjan, P. and Anand, P. (2017). The 2016 Indian Model Bilateral Investment Treaty: A Critical Deconstruction. *Northwestern Journal of International Law and Business*, 38(1), 1-55.

Ranjan, P. and Anand, P. (2018). Investor State Dispute Settlement in the 2016 Indian Model Bilateral Investment Treaty: Does It Go Too Far? In Chaisse, Julien and Nottage, Luke (Eds), *International Investment Treaties and Arbitration Across Asia*. Leiden/Boston: Brill Nijhoff.

Sharma, A. (2017). Judiciary and Good Governance: The Recent Trends in India. In Kumar, Vijender *et al* (Eds), *Law, Judiciary and Governance, A Festschrift in Honour of Prof. Mool Chand Sharma*. 127 – 144, Gurgaon, Haryana: Universal Law Publishing [an imprint of LexisNexis].

Sharma, A. (2017). The Functionaries under the Protection of Women from Domestic Violence Act, 2005: A Critical Analysis, *National Capital Law Journal*, XVI, 173-185.

Singha, S. (2018). Right to Education in India: A Reflection on the Act of 2009. In Mishra, Dr. Priyamvada (Ed.). *Right to Education in India: A Reflection on the Act of 2009*. 28-40. New Delhi, Delhi: Radha Publications.

Tripathi, V. R. (2017). Appointment of Judges in India: Collegium System versus National Judicial Appointment Commission. In Singh, Dr. Ajay Kr (ed.) *Human Rights and the Indian Constitution*. 158-175. Ghaziabad, Uttar Pradesh: Academic & Research Publication.

Tripathi, V. R. (2017). Empowerment of Women through Protection of Traditional Knowledge. In Singh, Ajay Kr (Ed.) *Legal Rights of Women in India* (159-169). Ghaziabad, Uttar Pradesh: Academic & Research Publication.

Tripathi, V. R. (2017). Procedural improvements in Trial of Civil Cases. *Indian Journal of Socio Legal Studies*, 6 (1), 84-94.

Verma, S. (2018). The Doctrine of Doli Incapax: Retributable Presumption and Adult Responsibility Vis-À-Vis Juvenility. *International Journal of Innovative Research & Studies*, 8(III), 480-490.

## **Journals published by the Centre – 01**

*Journal of Law Teachers of India*, Vol. 6, No. 2, 2015-16 (published in 2017).

## **Number of teachers serving as Editor(s)/Member(s) of Editorial Board – 03**

Kumari, Ved: Member, Editorial Board of Journal of National Human Rights Commission, Vol. 16, 2017.

Kumari, Ved: Member, Editorial Board of the Delhi University Journal of the Humanities and Social Sciences, Vol. 4, 2017.

Khaute, Mercy K.: Member, Editorial Board of International Journal of Legal Studies and Research, Vol. 7, No. 1, 2018.

Mallaya, Susmitha: Member, Editorial Board of Annual Survey of Indian Law, Indian Law Institute, 2017.

### Research Projects

University Grants Commission and the Ministry of Human Resource & Development, Govt. of India, *E-Pathshala (Criminology) Project* at the National Law University, Delhi, 1 year 6 months, Munjal-Shankar, Diksha, Project Coordinator, Total amount: Rs. 1 crore 7 lakhs (approx.), Amount received in 2017-18: Rs. 90 lakhs (approx.).

Ministry of External Affairs, Government of India, *National Report, India for the Universal Periodic Review-III* (2016) prepared and submitted to the Human Rights Council, United Nations, Munjal-Shankar, Diksha, Member of the drafting committee and research team, Total amount: Rs. 22 lakhs, Amount received in 2017-18: Rs. 9 lakhs (approx.).

### Seminars Organised

Prof. Kamal Puri, Queensland University of Technology chaired seminar on *Rising Significance of Intellectual Property with special reference to Exhaustion of Intellectual Property Rights*, 3rd April, 2017.

Justice G.P. Mittal, Member, Competition Commission of India, Sh. Vinod Dhall, Former Chairperson, Competition Commission of India, Mr. Kamal Sultanpuri, Deputy Director, CCI (Legal Division), et al, Seminar on *Introduction to Competition Law and Policy*, 10<sup>th</sup> April, 2017.

Prof. Ioannis Kokkoris, Professor of Law & Economics, Queen Mary University of London addressing the students of LC-1 on *Competition Law: Cases on Google for breaching Competition Legislation* in collaboration with Queen Mary University London on 15<sup>th</sup> September 2017.

Abhijit Narayan, Corporate Lawyer, Frankfurt, Germany, *Studying & Practising Corporate Law Abroad*, 9<sup>th</sup> October 2017.

Prof. Harjinder Singh Lali, Warwick Manufacturing Group, University of Warwick, *Cyber Law: How to conduct Digital Forensics Investigations*, 22<sup>nd</sup> November 2017.

### Seminar/Conference Presentations

Anand, Pushkar, presented paper, *Investment Protection at the Cost of Tribal Rights? Rethinking Indian International Investment Agreements*, The South Asian International Economic Law Network (SAIELN) Inaugural Conference, organised by Jindal Global Law School, Sonapat, India, April 29-30, 2017.

Anand, Pushkar, presented paper, *Re-evaluating International Investment Agreements in South Asia and South East Asia vis-à-vis Rights of Indigenous People*, 6<sup>th</sup> Asian Society of International Law (Asian SIL) Biennial Conference, Seoul, South Korea, August 25-26, 2017.

Bharati, Alka, presented paper, *Legal Regime of Biodiversity Conservation: An Overview*, National Conference on Emerging Environmental Challenges and Sustainable Development, jointly organised by Swami Shraddhanand College, University of Delhi, New Delhi and Society for Environment and Development, (SED India), New Delhi, March 21-23, 2018.

Devi, Pooja, presented paper, *Conflict of State in relation to Criminal Jurisdiction under International Law*, National Seminar on Crime, Society and the State, organised at Rayat College of Law, Punjab, March 29, 2017.

Devi, Pooja, presented paper, *Extraterritoriality v. Sovereignty*, National Seminar on Challenges to Human Security in 21st Century, organised by Army Institute of Law, Mohali, Sept. 16, 2017.

Devi, Pooja, presented paper, *The status of Human Right to Education in India*, National Seminar on Human Right Education, organised at Himachal Pradesh University, Shimla, May 11, 2018.

Khaute, Mercy. K., resource person, *Revisiting the 'Social Construct' for an effective Healthcare Delivery in India*, International Symposium on Law in Medicine jointly organised by Dillons Kidney Foundation & West Bengal National University of Juridical Sciences, September 9-10, 2017.

Kumari, Meena, presented paper, *No Fault Theory of Divorce and Talaq: Historical Development and Relevance*, International Seminar on Movements, Literature and Society: New Perspectives, jointly organised by Shyam Lal College (Evening) and Internal Quality Assurance Cell (IQAC) of SLC-E, March 17, 2018.

Kumari, Ved, presented paper, *Sentencing in Rape Cases: A Critical Appraisal of Judicial Decisions in India* with Prof. Ravinder Barn in International Meeting organised by Law and Society Association in Mexico, June 19-24, 2017.

Mallaya, Susmitha, resource person, Right to Clean and Healthy Environment and Right to Development, International Conference on Law and Justice, organised by Amity Law School, Amity University, Uttar Pradesh, Feb 3, 2018.

Mallaya, Susmitha, resource person, *Litigating Equality: Are Human Rights Effective?* National Seminar organised by Delhi Metropolitan Education affiliated to Guru Gobind Singh Indraprastha University, New Delhi, Nov 11, 2017.

Munjal-Shankar, Diksha, presented paper, *Handling Childlessness: Alternatives & Decision-making*, National Seminar on Surrogacy and Adoption, organised by Faculty of Law, University of Delhi, April 13, 2017.

Ratnabali, K., Keynote address, Academic Session III of the two day National Seminar, *Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics*, organised by the Department of Anthropology, University of Delhi, 2-3 October 2017.

Sharma, Dr. Alok, presented paper, *Critical Analysis of Proposed Bill on Surrogacy in India*, National Seminar on Surrogacy and Adoption, organised by Faculty of Law, University of Delhi in collaboration with SGT University, Gurgaon at Faculty of Law, University of Delhi, April 13, 2017.

Sharma, Dr. Alok, resource person, *Domestic Violence in India*, One Week National Workshop cum Faculty Development Programme on “Multi- Disciplinary Approach in Law and Applicability of Research in Management”, organised by Ideal Institute of Management and Technology (School of Law), Delhi, July 21<sup>st</sup>, 2017.

Sharma, Dr. Alok, delivered lecture, *Definition of Respondent under Domestic Violence Act: Legislative Interpretation to Judicial Interpretation*, Faculty Lecture Series, organised by Law Centre-I, Faculty of Law University of Delhi, March 26, 2018.

Taneja, Dr Sarbjit, delivered Lecture “*Amendments to the Constitution*” in the Institute of Constitutional and Parliamentary Studies, Vithhalbhai Patel House, Rafi Marg, New Delhi – 110001 on September 15, 2018

Taneja, Dr Sarbjit, resource person, Faculty Development Programme organised by Faculty of Law, University of Delhi, Delhi on March 03-09, 2018

Taneja, Dr Sarbjit, chaired a Technical Session on *Behavioral Aberrations, Morality and Law* in the Conference on Law and Behaviour: Individual, Social and Organisational Perspective organised by Vivekananda Institute of Professional Studies, Delhi on February 17, 2018

Taneja, Dr Sarbjit, Member, Organizing Committee in National Law Day 2017 on Balancing Roles of three wings of the State towards India’s Development jointly organised jointly by Law Commission of India and Niti Ayog at Vigyan Bhavan, New Delhi on November 25-26, 2017

Taneja, Dr Sarbjit, attended Faculty development Program on e-Learning, MOOCs and ICT Tools for Blended Learning (Ministry of HRD, Government of India) organised by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi from 2.7.2018 to 7.7.2018.

Tripathi, Dr. Vikesh Ram, presented paper, *Impact of Socio-Legal Factors on Naxalism in India: Empirical evidences from Chhattisgarh*, Annual National Conference of Association of the Socio-Economic Development (ASEDS), organised by Dr. Ram Manohar Lohia Avadh University, Faizabad, U.P., December 11-12, 2017.

Tripathi, Dr. Vikesh Ram, presented paper, *Legal regulation of electronic Media in India: Issues and Options*, National Seminar on Women and Media, organised by Department of Sociology Govt. D.B. Girl’s P.G. College, Raipur, February 27-28, 2018.

Tripathi, Dr. Vikesh Ram: Presented a paper titled “Legislative and judicial control of Women in Media: An Analysis from Indian Perspective” in a National Seminar organised by Kushabhau Thakre University of Journalism and Mass Communication, Raipur, October 27-28, 2017.

Tripathi, Dr. Vikesh Ram: Presented a paper titled “Role of WIPO in the Settlement of Cross Border IP Disputes” in 47th Annual National Conference of Indian Society of International Law, New Delhi, May 12-13, 2018.

Verma, Dr. Shivani, presented paper, *Transgender: The Condemned Third Gender*, National Conference on the Marginalized Groups in India: Legal Mechanism to Combat Inequalities, organised by Vivekananda Law School. April 1, 2017.

### **Extension and Outreach Activities**

The Legal Service Society (LSS) observed the Legal Service Day on 9th November 2017. The society organised a quiz competition and talk session related to the legal services. Dr. Anurag Deep, Kumar Shanu and Dr. AP Singh were the speakers for the Talk session on ‘PIL and RTI: Legal Tools for Access to Justice.’

The Skit and Play team of the Legal Services Society (LSS) of Law Centre – I, performed Nukkad Natak at Tihar and Rohini Jail premises on 11th November, 2017 and at Karkardooma Court premises on 10th November, 2017.

As a part of projects assigned by Delhi State Legal Services Authority (DSLISA) to para legal volunteers from the LSS, a team of 39 volunteers was assigned ‘Anganwadi Project’ which was executed from 13<sup>th</sup> November to 25<sup>th</sup> November 2017. Further 25 paralegal volunteers executed the ‘Door to Door campaign’ from 10<sup>th</sup> November to 20<sup>th</sup> December 2017.

The Skit and Play team of the Legal Services Society (LSS) of Law Centre – I, performed Nukkad Natak at the Mega Legal Services and Awareness Camp organised by Delhi State Legal Services Authority on 3<sup>rd</sup> February 2018 at Kendriya Vidyalaya, Vigyan Vihar.

**Faculty Strength: 56**

### **Other Significant Information**

LC-I organised the XIVth LC-I, All Delhi (NCR) Moot Court Competition, 2018 on 31<sup>st</sup> March 2018.

Five workshops on ‘Applied Criminal Law’ in collaboration with Adyopant Legal Services, on 16<sup>th</sup> and 25<sup>th</sup> February, 3<sup>rd</sup> March, 8<sup>th</sup> and 15<sup>th</sup> April 2017.

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## **LAW CENTRE-II**

### **Major Activities and Achievements**

Law Centre II of the Faculty of Law has witnessed a flurry of academic and extracurricular activities during 2017-18 under the aegis of Professor-in-Charge, Dr. V.K. Ahuja. It organised the first of its kind event namely Mr. & Ms. International Law Competition on 28<sup>th</sup> Feb. 2018. A new Lecture Series titled SAMVAD was launched at the Centre which afforded opportunities to teachers and students alike to interact with legal luminaries during Jan.-March 2018. Further, Centre-II, in collaboration with Association of Disabled People organised a day-long National Seminar on ‘Rights of Persons with Disabilities: Contemporary Developments’ on 12<sup>th</sup> February 2018, which was inaugurated by the Chief Guest Mr. Pranab Mukherjee, former President of India. Continuing with the significance of law mooting, LC-II in association with Indian National Bar Association organised the 2<sup>nd</sup> National Level Moot Court Competition called ‘JUSTIFIED 2017’ between 31<sup>st</sup> March to 2<sup>nd</sup> April 2017. The mooting event was unique in the sense that it was India’s First Data Privacy and Cyber Law Moot Court Competition. Building up on its success, the Centre organised the 3<sup>rd</sup> ‘JUSTIFIED 2018’ between 23<sup>rd</sup>- 25<sup>th</sup> March 2018.

### **Publications**

Acharya A. (2018). Admiralty law in India: Contemporary challenges and solutions. In Gardener, Kiran (ed.) *Lex Et Societatis; Contemporary Legal Issues*. 586-592. Delhi: Infinity Publications.

Acharya, A. (2017). Jurisdiction issues in admiralty matters: A critical analysis of emerging Indian law. In Kumar, Ashish (ed.) *Contemporary developments in international law: Some random reflections*. 57-70. Delhi: Satyam Law International.

Ahuja, V. K. & Vashishth, Archa. (2017). Right to health in India: An analysis of constitutional, human rights and IPRs provisions. In Vijender Kumar (et. al., Eds.) *Law, judiciary and governance: A festschrift in honour of Professor Mool Chand Sharma*. 291-305. Delhi: Universal Law Publishing.



- Ahuja, V. K. (2017). Right to education in view of copyright protection: Contemporary developments in law, justice and development. In TSN Shastri & Durgambini Patel (eds.) *Law, Development and Justice: Conference Proceedings*. 223-235. Pune, Maharashtra: Savitri Bhai Phule University.
- Ahuja, V.K. (2017). Marrakesh treaty to facilitate access to published works for visually disabled: Putting an end to global book famine. In Manoj Kumar Sinha and Vandana Mahalwar (eds.) *Copyright law in the digital world: challenges and opportunities*. 97-107. Singapore: Springer & ILI.
- Chaudhary, M. (2017). The Criminal Law Amendment Act, 2013 and the Road Ahead. *Journal of the Campus Law Centre*, IV&V, 62-85.
- Deswal, V. (2017). Categorization of rapes. In Paper 7: Women and Law as part of Gender Studies course in *E-PGPathshala of UGC and MHRD* (uploaded in July, 2017). Retrieved at <https://epgp.inflibnet.ac.in/ahl.php?csrno=456>
- Deswal, V. (2017). Section 498A of the IPC, 1860 revisited: A critical analysis. *MDU Law Journal*, Vol. XVIII, 52-64.
- Deswal, V. (2017). Rape: The worst crime against womanhood. In Women and Law as part of Gender Studies course in *E-PGPathshala of UGC and MHRD*. <https://epgp.inflibnet.ac.in/ahl.php?csrno=456>
- Jha, A & Kaul, J. L. (2018). *Shifting horizons of public international law: A south Asian perspective*. Singapore: Springer Publication.
- Jha, A. et. al. (2017). Round tripping and treaty shopping: Controversies in bilateral agreements & remedies forward: The double taxation avoidance agreement (DTAA) between Mauritius & India and the dilemma. *Kathmandu School of Law Review*, 5 (2), 29-41.
- Jha, A. (2017). Reports on international organizations and bodies, 16 United Nations General Assembly (UNGA). In *27 Yearbook of International Environmental Law*. London: Oxford University Press. 1-9.
- Jha, A. (2018). The law on trafficking in persons: The quest for an effective model. *Asian Journal of International Law*, 8 (1), 225-257.
- Kalon, M. S. and Sharma, S. (2017). Role of forensic science in administration of justice in the Indian legal system. *National Capital Law Journal*, XVI, 64-77.
- Kumar, A. (2017). *Contemporary developments in international law: Some random reflections*. Delhi: Satyam Law International.
- Mahipal, N. (2018). A study on the impact of the world constitutions on the framing of Indian constitution. *International Journal of Legal Research and Studies*, 3 (1), 134-138. Retrieved from <http://www.ijlrs.com/papers-vol3-issue1.php>
- Mahipal, N. (2017). *An introduction to insurance laws*. Allahabad, UP: Central Law Publications.
- Minz, N. (2018). Suppression of freedom of expression: the criminalization of artistic creativity in India. *Jamia Law Journal*, 3(3), 123-142.
- Naseema, P. K. (2018) Relevance of human rights education- Some reflections. In Jayanta Kumar Saha and Subir Kumar Roy (ed.) *Law, Court and Politics-Re-negotiating Global and National Perspective: Conference Proceedings*. 193, Bankura, WB: Department of Law, Bankura University.
- Rathore, B. (2017). Constitution of India and secularism. *Journal of the Legal Studies*, XLVIII. Jaipur, Rajasthan: Department of Law, University of Rajasthan.
- Sonawane, A. (2018). Administrative law vis-à-vis government contractual liability: A legal and judicial preview. *Journal of Legal Studies and Research*. 4 (1), 23-40. Retrieved from <http://jlsr.thelawbrigade.com/wp-content/uploads/2018/02/Ajay-Sonawane.pdf>.
- Sonawane, A. (2018). Human rights education in higher education: An incisive approach, *World Journal of Juristic Polity*. 1-8. Retrieved from <http://jurip.org/wp-content/uploads/2018/01/Ajay-Sonawane.pdf>.
- Vashishtha, N. (2018). Principle of proportionality: Extent and application in industrial disputes. *Shimla Law Review*, 1, 158-169.

#### **Journals published by the Centre – 02**

*National Capital Law Journal*, Vol. XVI, 2017.

*LC-II Contemporary Law Review* (E-journal), Vol. I, No. I, 2017.

### **Number of teachers serving as Editor(s)/Member(s) of Editorial Board – 03**

Ahuja, V.K.: Editor-in-Chief, National Capital Law Journal, Vol. XVI, 2017.

Gupta, Kiran.: Editor, National Capital Law Journal, Vol. XVI, 2017.

Deswal, Vageshwari.: Member, Editorial Board of Delhi Law Review, 2017-18.

### **Seminars Organised**

Sh. Pranab Mukherjee, former President of India inaugurated, and Professor Yogesh Tyagi, Vice-Chancellor of University of Delhi, Prof. Ved Kumari, Dean Faculty of Law and Dr. V.K. Ahuja, In-charge of Law Centre-II addressed, *National Seminar on 'Rights of Persons with Disabilities: Contemporary Developments'*, organised by LC-II in collaboration with Association of Disabled People, 12 February 2018.

GST-Manthan under which 3 events, namely, GST Samvad (Indian Panel): India GST; GST Samvad (International Panel): Global Tax Reforms; & GST Mock Adalat, organised by LC-II in collaboration with GSTStreet, February 17, 2018.

Panel Discussion on issues and challenges of Passive Euthanasia, Justice K G Balakrishnan, former chairperson NHRC & former Chief Justice of India; Shri K T S Tulsi, Member of Parliament, Rajya Sabha; Shri Adish C Aggarwala, President of International Council of Jurists & Chairman, All India Bar Association; Shri Jaiveer Shergill, spokesperson of INC participated in the discussion which was moderated by Dr. V K Ahuja, In-charge of Law Centre II, March 28, 2018.

Samvad Lecture Series, Prof. Poonam Saxena, Hon'ble Vice-Chancellor, National Law University, Jodhpur delivered lecture on Emerging Trends in Family Law, September 16, 2017.

Samvad Lecture Series, Justice S.N. Jha, former Chief Justice, Jammu and Kashmir High Court and Rajasthan High Court delivered lecture on Justice Delayed is Justice Denied, November 14, 2017.

Samvad- Lecture Series, Prof. Manoj Sinha, Director, Indian Law Institute, New Delhi, delivered lecture on Role of NHRC in Promotion and Protection of Human Rights of Women, November 20, 2017.

Seminar on Rights of Women in India: Contemporary Developments, Shri Ram Narayan Dudi, Member of Parliament, Rajya Sabha; Shri Manjinder Singh Sirsa, MLA, Rajouri Garden; Ms. Monika Arora, Senior Advocate, Supreme Court of India delivered talk on different facets of rights of women. March 16, 2018.

### **Conferences Organised**

Conference on Goods and Services Tax (GST), Shri H. Rajesh Prasad, an alumnus of LC-II, Senior IAS Officer and Commissioner, GST, Government of Delhi and Shri Rajesh Saluja, Chartered Accountant and GST Specialist spoke, October 25, 2017.

National Conference on Activities of Legal Services Institutions and Implementation of PCPNDT Act, 1994, Prof. Poonam Saxena, Hon'ble Vice-Chancellor, NLU, Jodhpur, was the Chief Guest and Resource persons were: Shri Sandeep Gupta, Secretary, Central DALSA, Shri Vinod Kumar Meena, Secretary, West DALSA, Dr. J.P. Kapoor, Director, Family Welfare and Dr. Satyajit Kumar, State Program Officer, PNDT, Delhi State, organised by Law Centre-II in collaboration with Delhi State Legal Services Authority and Department of Family Welfare, Government of Delhi, November 13, 2017.

### **Seminar/Conference Presentations**

Acharya, Ashutosh, presented paper, *Admiralty Law in India: Contemporary Challenges and Solutions*, 2<sup>nd</sup> International Conference on Contemporary Legal Issues, organised by School of Law Galgotias University, Uttar Pradesh, March 24, 2018.

Ahuja, V. K., delivered lecture, *Introduction to Intellectual Property Rights: An Overview*, organised by Delhi Institute of Rural Development, Delhi, March 21, 2018.

Ahuja, V. K., spoke on *Right to Education of Visually Impaired Persons at College of Legal Studies*, University of Petroleum and Energy Studies, Dehradun, 24 April 2017.

Ahuja, V. K., delivered lecture, *State Responsibility at College of Legal Studies*, University of Petroleum and Energy Studies, Dehradun, 24 April 2017.

Ahuja, V. K., as resource person delivered talk, *How to Prepare and Deliver a Lecture* in Faculty Development Program for newly recruited Assistant Professors at Faculty of Law, University of

Delhi, March 4, 2018.

Ahuja, V. K., Chaired a Session on *Access to Knowledge and Information* in National Conference on Copyright and Technology, organised by DIPP Chair on IPR, National Law University, Jodhpur, April 8-9, 2017.

Ahuja, V. K., delivered lecture on *Compulsory Licences under Patents Act, 1970* in Orientation Programme on Intellectual Property Rights and Enforcement for the Judicial Officers of Delhi Higher Judicial Services and Delhi Judicial Services, Delhi Judicial Academy, Dwarka, New Delhi, May 19, 2017.

Ahuja, V. K., delivered lecture on *Origin and Development of the IPR Legal Regime: International and National Developments* in Orientation Programme on Intellectual Property Rights and Enforcement for the Officers of DHJS and DJS, Delhi Judicial Academy, Dwarka, New Delhi, November 24, 2017.

Ahuja, V. K., Moderator, *Panel Discussion on Passive Euthanasia: Issues and Challenges*, organised by Law Centre-II, March 28, 2018.

Ahuja, V. K., presented paper, *Fair dealing in the Light of DU Photocopy Case* in National Workshop on Intellectual Property Rights, organised by National Law School, Guwahati, May 16, 2017.

Ahuja, V. K., presented paper, *Introduction to Intellectual Property Rights: An Overview* in Workshop on Intellectual Property Rights Awareness and Training Programme, organised by University of Rajasthan, February 24, 2018.

Ahuja, V. K., presented paper, *Marrakesh VIP Treaty: Putting an End to Global Book Famine* in National Workshop on Intellectual Property Rights, organised by National Law School, Guwahati, May 15, 2017.

Ahuja, V. K., presented paper, *Right to Health and Pharmaceutical MNCs* in National Conference on Paradigmatic Shifts in Law and Justice in 21st Century: Challenges and Opportunities, organised by National Law School, Shimla, December 9, 2017.

Ahuja, V.K., as resource person delivered a lecture on *How to Prepare and Deliver a Lecture* in Refresher Course for LL.M./Ph.D. Students at Faculty of Law, Kashmir University, Srinagar, January 13, 2018.

Chaudhary, Monica, presented paper, *Sexual Violence against Women with Disabilities: Recent Legislative and Judicial Trends in India* in National Seminar on Women with Disabilities: Law and Policy, organised at Campus Law Centre, Faculty of Law, University of Delhi, March 10, 2018.

Deswal, Vageshwari, delivered lecture on *Criminal Law* to in-service officers of SSB of rank of Second in command and commandant, Feb. 22, 2018.

Deswal, Vageshwari, delivered lecture on, *Women and the Law* in advance course in Gender studies organised by Advance Women Studies and Development Centre, University of Delhi, Jan. 18, 2018.

Deswal, Vageshwari, delivered lecture on *Duties and Responsibilities of Executive Magistrates* to HCS Officers in Institutional Training program organised by HIPA, Gurugram, Oct. 9, 2017.

Deswal, Vageshwari, delivered lecture on, *Law against Sexual Harassment at Workplace* to HCS Officers in Institutional Training program organised by HIPA, Gurugram, 28th Nov, 2017.

Deswal, Vageshwari, delivered talk on *Laws for Women Safety* at workshop on Women 'Security and self defence' for Red Cross volunteers organised by Youth Red Cross, MD University at Rohtak, Oct. 30, 2017.

Deswal, Vageshwari, delivered talk on *Laws to control Sexual Violence against Women* in a national workshop organised by WSDC, University of Delhi in collaboration with Association of Commonwealth Universities on "Gender Mainstreaming through Research on Women's issues", Dec. 19, 2017.

Deswal, Vageshwari, delivered talk on, *Human Rights of Women* in Refresher course on Human Rights organised by UGC Human Resource Development Centre at BPS Women University, Khanpur Kalan Sonapat, Nov. 16 Nov, 2017.

Deswal, Vageshwari, "Legal Rights of Women" in program organised by Women Cell, Govt. College, Gurugram on Nov. 7, 2017.

Gupta Kiran, as resource person delivered talk on *Background and Social context of the family law regime* in the Training programme for the Principal Judges, Judges of family court in Delhi Judicial Academy, July 28, 2017.

Gupta Kiran, as resource person delivered talk on *Background and social context of the family law regime* Training to the Principal counsellor/ counsellors and Judges of Family Courts, Delhi Judicial Academy, Feb 23, 2018.

Gupta Kiran, delivered talk on *Family law: Retrospect and Prospect in Sri Lanka and India* for Judges from Sri Lanka, Delhi Judicial Academy, April 08, 2017.

Gupta Kiran, delivered talk on *Family law: Retrospect and Prospect in Sri Lanka and India* for Judges from Sri Lanka, Delhi Judicial Academy, on Aug 17, 2017.

Gupta Kiran, as a resource person delivered talk on *Liability of Administration in Tort* in 43rd Advanced Professional Programme in Public Administration (APPPA), Aug. 10, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 95th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, April 05, 2017.

Gupta Kiran, as resource person delivered a talk on *Medical Negligence and consumer protection* in 96th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, April 26, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 98th Orientation Training Programme for the President and Member of District Consumer Forums organised by Indian Institute of Public Administration, Aug 29, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 99th Orientation Training Programme for the President and Member of District Consumer Forums” organised by Indian Institute of Public Administration, Dec 20, 2017.

Gupta Kiran, delivered talk on *Sensitization Programme on Human Rights and Law: Gender Equality in the matter of Testamentary and Intestate Succession to property in Muslim Laws Hindu Laws Christian Law and Parsi Law*, Delhi Judicial Academy, Sep 15, 2017.

Gupta Kiran, as resource person delivered talk on *Medical Negligence and consumer protection* in 97th Orientation Training Programme for the President and Member of District Consumer Forums Organised by Indian Institute of Public Administration, May 24, 2017.

Gupta Kiran, *Scriptural and Legal Precepts for Social Harmony in India* New Delhi meet on “Religio-Legal Parameters for Social Harmony” Organised by South Asia Consortium for religion and Law Studies, 01 Feb 2018.

Gupta, Kiran: “Sexual Harassment at Workplace: Regulatory Mechanism and Compliances” Organised by UPES School of Business, Dehradun on 18-19 Dec 2017.

Gupta, Kiran: Presented a paper titled “Personal Laws in Changing Social Content” in National Workshop on *Paradigmatic Shifts in Law and Justice in 21st Century: Challenges & Opportunities*, Organised by Himachal Pradesh National Law University, Shimla on 8-10 Dec 2017.

Gupta, Kiran: Presented a paper titled “Surrogacy in India” in *National Seminar on Surrogacy and Adoption*, organised by Faculty of Law, University of Delhi on 13 April 2017.

Gupta, Kiran: Presented a paper titled “Triple Talaq and its remedy in the shadow of Halala” in Annual Conference on *Dispelling Rhetoric: Law of Divorce and Gender Equality in Islam* Organised by Indian Law Institute in New Delhi on 29 April 2017.

Jha, Anupam: Resource Person, *Training Program for the Commissioned Officers*, organised at the Head Quarters, Sahastra Seema Bal, R.K. Puram, New Delhi January 17, 2018.

Jha, Anupam, Resource Person for the One Day *Training Program on Human Rights*, organised by Lingaya’s Vidyapeeth, Faridabad, in association with National Human Rights Commission, New Delhi on Feb. 24, 2018.

Naseema, P.K., Presented paper, “ADR– Not An Alternative But A Necessity in Matrimonial Legal System in India, National Conference on *Alternate Dispute Resolution in India: Issues and Challenges*, organised at VIT School of Law, VIT University, Chennai Campus, September 9, 2017.

Naseema, P.K., Presented paper, “Applicability of Scientific Evidence and Protection of Human Rights- A Study in Constitutional and Criminal Law Perspective’, *International Seminar on Enhance, Criminology & Forensic Science- Ensure Justice*, organised at the Dept. of Law, University of Calicut in association with Indian Criminology & Forensic Science Association, December 15-16, 2017.

Naseema, P.K., Presented paper, “Gender Justice Vs. Social Justice – A Constitutional Perspective”, *National seminar on Indian Constitution & Nation Building –Vision and Mission of Dr. Ambedkar*, Dept. of Political Science, Madurai Kamaraj University, November 20, 2017.

Naseema, P.K., Presented paper, “Relevance of Human Rights Education- Some Reflections” in the *National seminar on Law, Court and Politics: Renegotiating Global and National Perspectives*, organised at Bankura University, West Bengal, January 18-19, 2018.

Sonawane, Ajay, Presented Paper, “Human Rights and Child Trafficking in India: A Socio-Legal Perspective”, in *National Seminar on Access to Criminal and Correctional Justice and Human Trafficking*, organised at School of Law, Rights and Constitutional Governance, Tata Institute of Social Sciences in association with MHRC And IJM, Mumbai, Jan. 28, 2018.

Sonawane, Ajay, Resource Person, *One Day Training Programme on Basic Human Rights* sponsored by National Human Rights Commission, at New Law College at Bharathi Vidyapeeth, Jan. 13, 2018.

Sonawane, Ajay, Presented paper, “Human Rights Education and Skill Based Approach: An Overview”, *National Conference on Paradigm Shift in Higher Education due to Introduction of Skill Development*, organised at Skill Development Centre, Savitribai Phule Pune University, Pune, Maharashtra, December 21-23, 2017.

Tiwari, Pramod, Presented paper, “Uniform Civil Code-An Overview”, *National Seminar on Prospects of Uniform Civil Code in Present Indian Scenario*, organised at Babu Jagjivan Ram Institute of Law, Bundelkhand University, Jhansi, November 3, 2017.

Tiwari, Pramod, Presented paper, “Introduction of Uniform Civil Code is the Solution for Reforming Personal Laws in India”, *National Seminar on Reforms in Personal Laws in India: Problems & Prospects*, organised at the ICFAI University, Dehradun, April 8, 2017.

Vashishtha, Namita, Presented paper, “Children of Incarcerated Mothers in India: Judicial Response to Law and Policy”, *Three Days National Conference on Paradigmatic Shifts in Law and Justice in 21<sup>st</sup> Century: Challenges and Opportunities*, organised by HPNLU, Shimla, Dec. 8-10, 2017.

Wadhwa, Isha, Presented paper, “Exceptions under the Copyright Law vis-à-vis Public Interest” *National Conference on Intellectual Property Rights and Public Interest*, organised by Indian Law Institute, Delhi on April 7-8, 2017.

Wadhwa, Isha, Presented paper, “Demystifying concept of Relevant Market under Competition Law”, *2nd International Conference on Contemporary Legal Issues* organised by the School of Law, Galgotias University, Greater Noida, March 24, 2018.

Wadhwa, Isha, Presented paper, “Role of Independent Directors in Effective Corporate Governance”, *International Conference on Recent Financial Reforms in India: An Unfinished Agenda*, organised by the Centre for Banking and Financial Laws, National Law University, Delhi in collaboration with School of Business and Taxation Laws, University of New South Wales, Sydney, Australia at NLUD, Dwarka, November 24-25, 2017.

Wadhwa, Isha, Presented paper, “The Interrelationship between Human Rights and IPR” *National Seminar on Litigating Equality: Are Human Rights Effective?*, organised by the Department of Law, Delhi Metropolitan Education (Affiliated to GGSIPU) Noida, November 11, 2017.

### **Extension and Outreach Activities**

The students of Law Centre-II with Faculty members Dr. Mahavir Singh, Mr. Brijesh Kumar Singh, Mr. Jyotish Kumar and Mr. Meghraj made a visit to the Parliament on February 19-20, 2018.

The students of Law Centre-II with Faculty members Dr. Anjay Kumar, Dr. Bhupesh Rathore and Ms. Shikha Kamboj made a visit to the National Human Rights Commission on March 16, 2018. The visit was organised under the supervision of Union Advisor, Dr. Pinki Sharma.

The Legal Aid Orientation Programme 2017 was organised at Law Centre-II on September 19, 2017. Sh. Naveen Gupta, Judicial Officer and Additional Secretary, Delhi State Legal Services Authority and Sh. Jagmohan Singh, Judicial Officer and Secretary, South West District, Delhi State Legal Services Authority addressed the students on the theme Legal Aid: Duty Towards the Society.

Para Legal Volunteers (PLVs) Training, A record number of 527 students appeared in the test and a merit list was drawn for the purpose of sending their names to DSLSA for training. The Senior Judicial Officers of Delhi gave training to the First Batch of 94 students of Law Centre-II on November 21-22, 2017.

Naye Bharat ka Sankalp held on 9th August, 2017 at Law Centre-II to celebrate 75 years of Quit India Movement and 70 years of India's Independence. In-charge Dr. V.K. Ahuja administered oath to the Faculty members and administrative staff of Law Centre-II.

LC-II student union constituted a Cultural Society namely, Abhivyakti under the supervision of Teacher-in-charge of Student Union Dr. Pinki Sharma. The Society is a platform for the students to show their talent in

different activities at Law Centre-II. They are involved in Dancing, Singing, Music, Rangoli, Drama, Photography, and other cultural activities.

Law Centre-II in collaboration with National Commission for Women organised an Intra-Centre Competition on Legal Rights of Women on Nov. 20, 2017. (Around 100 students participated).

**Faculty Strength: 48**

#### **Other Significant Information**

LC-II launched the first biannual e-newsletter namely *Gatividhiyan* for the period July-December 2017).

LC II in order to promote cutting edge research on contemporary legal issues launched its first E-Journal titled *Contemporary Law Review-LC II*.

Under the guidance of Assistance Professor Ms. Rubina, LC-II students went to the studio of Republic TV in the program 'One India', where they participated in the panel discussion on Environment and Waste Management on Nov. 26, 2017.

Law Centre II in association with Law Students' Initiative organised a Discussion Program on Budget 2018-19 and its Impact on Higher Education on February 26, 2018.

LC-II student Ms. Mala Mehto brought laurels to the Centre by winning the Best Researcher Award at 7<sup>th</sup> Amity International Moot Court Competition, 2017 in October 2017.

LC-II student Mr. Baskaran Balkrishnan won the prestigious Late Justice Sh. Avadh Behari Rohtagi Gold Medal as well as Sukhdevi Girdhari Lal Grover Prize. The prestigious Gold medal and the prize are awarded by the University of Delhi to a student of Faculty of Law, DU, who secures the highest marks in Indian Constitutional Law papers of LL.B. Mr. Baskaran Balkrishnan secured 139/200 marks in the aforesaid papers. He was awarded Medal and Prize by His Excellency Hon'ble Sh. Ram Nath Kovind, President of India at the 94<sup>th</sup> Annual Convocation of DU.

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### **FACULTY OF MANAGEMENT STUDIES**

#### **Major Activities and Achievements**

Established in 1954 as a part of the Department of Economics, the Faculty of Management Studies (FMS) became a full-fledged faculty thereafter and was the maiden institute in the country to start a formal Degree Programme in Management Education. Commencing with MBA (Full-Time), its flagship programme in 1967, FMS has been consistently ranked as one of the top five Business Schools in the country. Currently, FMS offers – MBA Executive, MBA Executive (Health Care Administration) and Ph.D. in Management. Faculty members here are keenly involved in publishing research papers, books, cases; attending international and national conferences and organizing Management Development Programmes for varied organizations with some receiving honors and awards during the period under review. The students' body, Management Science Association, has been actively organizing guest lectures, academic workshops, seminars, colloquia, and sports competitions for management students from different B-Schools within the country. FMS students also won numerous national and international B-School competitions in academics, business plans as well as case studies organised by other institutions and the corporate sector. FMS also conducted large number of Management Development Programmes for various organizations.

#### **Publications**

Gupta, G. and Nagpal, S. (2017). User Generated Communication: Understanding the Content Factors, Motivation to Share and Purchase Intentions of Travel Consumers': *JIMQUEST Journal of Management and Technology*, (ISSN: 0975-6280), 13(1), 90-98.

Gupta, G. and Verma, A. (2017). Foreign Brand Names as Predictor of Consumers' Purchase Decisions: *International Journal of Management Research*, 8(1), 19-25.

Kapoor, A. and Vij, M. (2017). Digital and new age consumer trends: A study among college students in Delhi: *Journal of Commerce and Business Studies*, Delhi University, ISSN 2322-076.

Narain and Gupta, C. P. (2018). Special Dividend announcement by Indian firms: *Business Analyst*, 38(2), 3-25.

Venkatraman, A. and Ravichandran. (2017). Public Private Partnership for Universal Health Coverage in India, Research Report, WHO-India.

Verma, A. and Gupta, G. (2017). Consumers' Response to Foreign Brands: Strategic Implications from Qualitative Perspective. *Amity Journal of Marketing*, 2(2).

Verma. H. (2017). Relationship Quality: What it means in Indian Context. *International Journal of Asian Business and Information Management*, 8(3), 14-35.

Verma. H. (2017). Advocacy, Customer Advocacy and Marketing Implications'. *BULMIM Journal of Management and Research*, 2(1), 29-43.

Vij, M. and Dhawan, S. (2017). *Merchant Banking and Financial Services*. 2<sup>nd</sup> Ed. Tata McGraw Hill.

### **Seminar Organised**

Garima Gupta. Organised (as Convener) a one-day Workshop/Seminar on 'Unfolding Goods and Services Tax' on 9<sup>th</sup> September, 2017 at Faculty of Management Studies, University of Delhi.

Garima Gupta. Organised (as Convener) a talk on 'Cyber Crimes and Security' on 24<sup>th</sup> November, 2017 at Faculty of Management Studies, University of Delhi.

### **Conferences Organised**

Garima Gupta. Organised (as Convener) a one-day National Conference of FMS on 'Rethinking Management Education in Digital Age' at Conference Centre, North Campus on 10<sup>th</sup> February, 2018.

### **Seminar Conference Presentations**

Anuj Kapoor and Madhu Vij, (2018), 'Technology at the dinner table: Online food ordering apps in India' COSMAR, Paper presented at IISc, Bangalore.

Anuj Kapoor and Madhu Vij, (2018) 'Are you digitally ready? Development of a Digital Readiness Index' Paper presented at IIT Bombay.

Anuj Kapoor and Madhu Vij, (2018), 'Digital Underwriting: Life Insurance in India' 5th PAN IIM World Conference.

Anuj Kapoor and Madhu Vij, (2018), 'Digitization in Banks: Luxury or Necessity' 5th PAN IIM World Conference.

Agarwal, S. and Gupta, G.(2018), 'Nurturing Relationship through Complaint Handling: What all does it takes?', Paper accepted for presentation in 6th Annual International Commerce Conference on 'Digital Outreach and Future of Marketing Practices', 11-12<sup>th</sup> January, 2018, New Delhi.

Gupta, G. and Agarwal, S. (2017), 'Winning Back Complainants: An Empirical Assessment of Key Determinants', National Seminar on Contemporary Strategies for Sustainable Development: Marketing and HR, 10th November, Deen Dayal Upadhyay College, University of Delhi.

Gupta, G.(2017), 'Naming Products: Foreign or Local Branding', Conference on International Business, Emerging Trends, Opportunity and Challenges, 28<sup>th</sup> April, Apeejay School of Management, New Delhi.

Khandelwal P., Sehgal, A., "Why Gender Matters in Entrepreneurship: Perception of Success among Indian Women Entrepreneurs", Presented at the International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets with Sehgal.A, Organised by IIT Delhi, July 14, 2017.

Khandelwal P., "Mahatma Gandhi as an Authentic Leader: A narrative autobiographical approach", Presented at the International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets with Khanum, Organised by IIT Delhi, July 15, 2017.

Venkatraman, A. Technical Report Writing for Policy Makers and Public Private Partnership in Health Care Delivery, Ministry of Health, Islamic Republic of Iran and WHO-Iran, 24th May 2017, Tehran.

Vohra, A., Laheri, V., & Dangi, H. K., "Impediments to purchase of green products with reference to selected product categories" presented in NASMEI Summer Marketing Conference organised by IIM Indore, (2017).

Vohra, A., & Bhardwaj, N., "Engagement with online communities: Role of community commitment and active participation", presented in NASMEI Summer Marketing Conference organised by IIM Indore, (2017).

## National / International MoUs

National MoU-CAT-2018

## Placement Details (Number and percentage of students placed)

Number and percentage of students placed = 425, 100%

Number of Companies visited for campus recruitment = 162

## Number of M.Phil / Ph.D. Awarded

Ph.D. : 15

Faculty Strength : 23

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## FACULTY OF MATHEMATICAL SCIENCES COMPUTER SCIENCE

### Major Activities and Achievements

The Department offers two post graduate Degree Programmes – MCA & M.Sc. Computer Science. The Department started three year Master of Computer Applications (MCA) programme in the year 1982 & M.Sc. Computer Science course in the year 2004 with the aim to develop core competence in Computer Science and prepare students to carry out development work, as well as take up challenges in research.

Research: The Department has strong research interests in diverse branches of Computer Science (Artificial Intelligence, Parallel Computing, Databases, Data Mining, Software Engineering, Computer Graphics, Networking, Web Technologies, Information Security, Algorithms and Bioinformatics) and offers a Doctor of Philosophy (Ph.D.) Programme aimed at producing quality researchers. At present, the department has about 49 Ph.D. students and eight have been awarded degrees in the year 2017-18. Seventeen MSc research projects were undertaken, some of which are in different stages of publications.

Placements: Reputed software companies like Amazon, National Instruments, Direct, SumoLogic, Morgan Stanley, Nagarro, Thorogood, Accolite, Aristocrat participated in campus placement process. Minimum and maximum salary packages were Rs. 4.5 LPA and Rs. 27.5 LPA.

Student Activities: Twelfth edition of the Annual Technical Fest “SANKALAN” was organised by students of the Department of Computer Science. The festival was attended by 400 students of Computer Science from colleges all over India.

### Publications

Journal Articles:

Bhatnagar, V., Kaur, S., Saxena, R. and Khanna, D. (2017), DASC: Data aware algorithm for scalable clustering, *Knowledge and Information Systems, Springer*, 50 (3), 851-881. [Impact Factor: 2.004].

Kumari, T. and Bedi, P. (2017). A Comprehensive Study of Shilling Attacks in Recommender Systems. *International Journal of Computer Science Issues, Softwarefirst Ltd.*, 14(4), 44-50

Sharma, C. and Bedi, P. (2017). CCFRS - Community based Collaborative Filtering Recommender System. ISTA 2016, *Journal of Intelligent and Fuzzy Systems, IOS Press, Netherlands*, 32(4), 2987-2995, [Impact Factor: 1.261].

Gautam, A. and Bedi, P. (2017). ISTA 2016, Developing Content-Based Recommender System Using Hadoop Map Reduce. *Journal of Intelligent and Fuzzy Systems*, 32(4), 2997-3008, *IOS Press, Netherlands* [Impact Factor: 1.261].

Vasishth, P. and Bedi, P. (2017). A Fuzzy Hybrid Recommender System. *Journal of Intelligent and Fuzzy Systems, IOS Press*, 1-16. [Impact Factor: 1.261].

Aggarwal, G. and Gupta, N. (2017). BiETOpti: biclustering ensemble technique using optimization. *International Journal of Bioinformatics Research and Applications, IJBRA* 13(2), 109-130.

Gupta, R., Muttou, S. K. and Pal, S. K. (2017). Fuzzy C-Means Clustering and Particle Swarm Optimization based scheme for Common Service Center location allocation. *Applied Intelligence, Springer*, 47(3), 624-643



Hans, K., Ahuja, L. and Muttoo, S. K. (2017). Detecting redirection spam using multilayer perceptron neural network. *Soft Computing*, Springer, 21(13), 3803-3814

### **Research Projects**

DST (DU-DST PURSE grant), *Soft Computing Approach to Multi-Criteria Optimization Models for Component Selection in Designing Fault Tolerant Software Systems*, 2014- 2018, Rs.6,12,000/-

### **National / International MoUs**

With Indian/Foreign Universities

1. University of Aizu, Japan
2. Epitech, European Institute of Information Technology (Le Kremlin Bicetre, France)

### **Inter-Institutional Collaboration**

Defence Research and Development Organisation (DRDO)

### **Placement Details**

Students Placed- 64 students placed from MCA & M.Sc. Computer Science

Companies visiting campus for recruitment – 25.

### **Ph.D. / M.Phil. Awarded**

Ph.D. – 8

### **Faculty Strength**

Permanent – 6

Ad-hoc – 4

### **Other Significant Information**

Students of the Department of Computer Science launched the Eighth edition of the magazine ‘SRIJAN’, both online and in print, in the Twelfth year of Sankalan.

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## **MATHEMATICS**

### **Major Activities and Achievements**

The Department is supported by UGC-DSA I, DST-PURSE and DST-FIST grants and offers M.A./M.Sc. and M.Phil/Ph.D. programs in Mathematics. The Department is ranked 10<sup>th</sup> in India and 144 in Asia in the Times Higher Education Rankings 2018. The faculty members have published around 50 research papers in journals of international repute during 2017-18. A co-authored textbook on “Theory of Semigroups and Applications” and co-edited book “Applied Mathematics and Computational Intelligence” have also been published during this period. Prof. Ajay Kumar has been elected as a fellow of the National Academy of Sciences in 2017. Department organised workshops and seminars and an international conference in honor of Prof. T.B. Singh on his retirement in November 2017. Field medallist Prof. Efim Zelmanov from University of California, visited our department and delivered an invited talk and a public lecture. Department organised Pre Entrance Summer School in Mathematics during June 9–22, 2017.

### **Honours/Distinctions**

Prof. Ajay Kumar has been elected as a fellow of the National Academy of Sciences in 2017.

Prof. Ajay Kumar was appointed as the university representative on the General Council of Netaji Subash Institute of Technology, 2017-2020.

Prof. V. Ravichandran was elected as Chairman, Governing Body, Shyama Prasad Mukherji College for Women, University of Delhi from June 2017.

Research scholar Mr. Dinesh Kumar delivered invited talk in 83<sup>rd</sup> Annual Conference of the Indian Mathematical Society in 2017 based on the A. Narasinga Rao memorial Prize awarded to him in 2015.

## Publications

- Ahuja, O. P., Nagpal, S., and Ravichandran, V. (2017). A technique of constructing planar harmonic mappings and their properties. *Kodai Mathematical Journal*, 40(2), 278–288.
- Alarifi, N. M., Ali, R. M., and Ravichandran, V. (2017). Best bounds for the second Hankel determinant of the  $k$ th-root transform of analytic functions. *Filomat*, 31(2), 227–245.
- Ali, R. M., Kumar, V., Ravichandran, V., and Kumar, S. S. (2017). Radius of star likeness for functions with fixed second coefficient. *Kyungpook Mathematical Journal*, 57(3), 473–492.
- Ambethkar, V., and Kushawaha, D. (2017). Numerical solutions of an unsteady 2-D incompressible flow with heat and mass transfer at low, moderate and high Reynolds numbers. *Journal of the Korean Society for Industrial and Applied Mathematics*, 21(2), 89–107.
- Ambethkar, V., and Kumar, M. (2017). Numerical solutions of 2-D steady incompressible flow in a driven square cavity using stream function-vorticity formulation. *Turkish Journal of Mathematics and Computer Science*, 6, 10–22.
- Ambethkar, V., and Srivastava, M. K. (2017). Numerical solutions of a steady 2-D incompressible flow in a rectangular domain with wall slip boundary conditions using the finite volume method. *Journal of Applied Mathematics and Computational Mechanics*, 16(2), 5–16.
- Ambethkar, V., Srivastava, M. K., and Chamkha, A. J. (2017). Numerical study of coupled fluid flow and heat transfer in a rectangular domain at moderate Reynolds numbers using the control volume method. *International Journal of Industrial Mathematics*.
- Arendt, W., Chalander, I., Kumar, M., and Srivastava, S. (2017). Asymptotic behaviour of powers of composition operators on Banach spaces of holomorphic functions. *Indiana University Journal of Mathematics*.
- Bohra, N., and Ravichandran, V. (2017). Schwarzian derivative and Janowski convexity. *Studia Universitatis Babes-Bolyai Mathematica*, 62(2), 197–204.
- Bohra, N., and Ravichandran, V. (2017). On confluent hypergeometric function and generalized Bessel functions. *Analysis Mathematica*, 43(4), 533–545.
- Bohra, N., and Ravichandran, V. (2018). Radii problems for normalized Bessel functions of first kind. *Computational Methods and Function Theory*, 18(1), 99–123.
- Crespi, G. P., Dhingra, M., and Lalitha, C. S. (2017). Pointwise and global well-posedness in set optimization: A direct approach. *Annals of Operations Research*, Online DOI: 10.1007/s10479-017-2709-7.
- Das, P., and Das, T. (2018). Various types of shadowing and specification on uniform spaces. *Journal of Dynamical Control Systems*, 24, 253–267.
- Das, R., Das, T., and Shah, S. (2018). Bowen's decomposition theorem for topologically Anosov homeomorphisms on noncompact and non-metrizable spaces. *Communications of the Korean Mathematical Society*, 33(1), 337–344.
- Dass, B. K., and Verma, R. (2017). Construction of m-repeated burst error detecting and correcting non-binary linear codes. *Applications and Applied Mathematics*, 12(1), 337–349.
- Deepshikha, and Vashisht, L. K. (2017). Extension of Bessel sequences to dual frames in Hilbert spaces. *UPB Scientific Bulletin, Ser. A: Applied Mathematics and Physics*, 79(2), 71–82.
- Dhingra, M., and Lalitha, C. S. (2017). Approximate solutions and scalarizations in set optimization. *Optimization*, 66(11), 1793–1805.
- Dhingra, M., and Lalitha, C.S. (2017). Set optimization using improvement sets. *Yugoslav Journal of Operational Research*, 27(2), 153–167.
- Gandhi, S., and Ravichandran, V. (2017). Starlike functions associated with a lune. *Asian-European Journal of Mathematics*, 10(4), 1750064 (12 pages).
- Garg, M., and Das, R. (2018). Transitivity of maps on G-spaces. *Advances in Pure and Applied Mathematics*, 9(2), 75–83.
- Garg, M., and Das, R. (2017). When a minimal map is totally transitive on a G-space. *Journal of Dynamical and Control Systems*, 23(3), 499–508.
- Garg, M., and Das, R. (2017). Average chain transitivity and the almost average shadowing property. *Communications of Korean Mathematical Society*, 32, 201–214.

- Garg, M., and Das, R. (2017). Exploring stronger forms of transitivity on G-spaces. *Matematicki Vesnik*, 69, 164–167.
- Garg, M., and Das, R. (2017). Continuous semi-flows with the almost average shadowing property. *Chaos, Solitons and Fractals*, 105, 1–7.
- Gaur, A., and Sharma, A. (2017). Eulerian graphs and automorphisms of a maximal graph. *Indian Journal of Pure and Applied Mathematics*, 48(2), 233–244.
- Gupta, V.P., and Jain, R. (2017). On closed Lie ideals of certain tensor products of  $C^*$ -algebras. *Mathematische Nachrichten*.
- Khushboo, and Lalitha, C.S. (2018). Scalarizations for a unified vector optimization problem based on order representing and order preserving properties. *Journal of Global Optimization*, 70, 903–916.
- Kumar, A, Sahni, N., and Singh, D. (2017). Invariance under bounded analytic functions: generalizing shifts. *New York Journal of Mathematics*, 23, 1249–1270.
- Kumar, A, Sahni, N., and Singh, D. (2017). Invariance under finite Blaschke factors on BMOA. *New York Journal of Mathematics*, 23, 1641–1656.
- Kumar, S., Ravichandran, V., and Verma, S. (2017). Bounds for the initial coefficients of starlike functions with real coefficients, *Bulletin of the Iranian Mathematical Society*, 43(6), 1837–1854.
- Kumar, S., and Ravichandran, V. (2017). Functions defined by coefficients inequalities, *Malaysian Journal of Mathematical Sciences*, 11(3), 365–375.
- Kumar, S. (2017). Mild solution and fractional optimal control of semilinear system with fixed delay. *Journal of Optimization Theory and Applications*, 174(1), 108–121.
- Gil-Lafuente, A. M., Merigó, J. M., Dass, B. K., and Verma, R. (Eds.) (2018). Applied Mathematics and Computational Intelligence. *Applied Mathematics and Computational Intelligence*, [v. 730 of Advances in Intelligent Systems and Computing, Springer].
- Lalitha, C. S. and Dhingra, M. (2017) Approximate Lagrangian duality and saddle point optimality in set optimization. *RAIRO-Operations Research*, 51(3), 819–831.
- Lata, S. and Singh, D. (2018). A class of sub-Hardy Hilbert spaces associated with weight shifts. *Houston Journal of Mathematics*, 44(1), 301–308.
- Luthra, P., Kumar, A. and Rajpal, V. (2018). Polynomials in operator space theory: Matrix ordering and algebraic aspects. *Positivity*, 22, 629–652.
- Luthra, P. and Kumar, A. (2017). Embeddings and  $C^*$ -envelopes of exact operator systems. *Bulletin of the Australian Mathematical Society*, 96(2), 274–285.
- Patel, A. and Bagargaan, R. (2017). Similarity solution for a cylindrical shock wave in a self-gravitating, rotating axisymmetric dusty gas with heat conduction and radiation heatflux. *Journal of Applied Fluid Mechanics*, 10(1), 329–341.
- Patel, A., Singh, M. and Bagargaan, R. (2017). Homotopy analysis method for one dimensional unsteady adiabatic gas flow. *International Journal of Pure and Applied Mathematics*, 115(4), 673–692.
- Patel, A. and Kumar, V. (2017). Study of generalized ZK-BBM equation to construct solitary patterns solutions via variational iteration method. Accepted *Far East Journal of Mathematics*.
- Ravichandran, V. and Verma, S. (2017). Estimates for inverse coefficients of certain analytic functions. *Filomat*, 31(11), 3539–3552.
- Ravichandran, V. and Verma, S. (2017). Radius problems for ratio of Janowski starlike functions with its derivative. *Bulletin of the Malaysian Mathematical Sciences Society*, 40(2), 819–840.
- Shah, S., Das, R. and Das, T. (2018). Sensitivity, property P and uniform entropy. *Asian-European Journal of Mathematics*, 12 (2019), 8 pages.
- Sharma, J. and Kumar, A. (2017) Qualitative uncertainty principle for Gabor transform on certain locally compact groups. *Advances in Pure and Applied Mathematics-De Gruyter* 9, 205-220. Doi: <https://doi.org/10.1515/apam-2017-0050>.
- Singh, R. and Jena, J. (2018). On evolution of non-linear waves in polytropic reacting gases. *Journal of Mathematical Chemistry*, 56(1), 232–246.

Singh, S. K., Singh, H. K., & Singh, T. B. (2018). Borsuk-Ulam theorems and their parametrized versions for  $\square^m \times \square^3$ . *Bulletin of the Brazilian Mathematical Society, New Series*, 49(1), 179–197.

Singh, S. K., Singh, H. K., & Singh, T. B. (2017). A Borsuk-Ulam type theorem for the product of a projective space and 3-sphere. *Topology and its Applications*, 225, 112–129.

Sinha, K., & Srivastava, S. (2017). *Theory of Semigroups and Applications*. Text and Readings in Mathematics, Springer Verlag.

Vashisht, L. K. and Garg, S. (2017). Weaving  $K$ -fusion frames in Hilbert spaces. *Ganita*, 67(1), 41–52.

### Research Projects

SERB-DST Fast Track Fellowship, *Semigroups on non-commutative  $L^p$  spaces*, 2014-17, Sachi Srivastava.

### Seminars Organised

International Workshop on Recent Advances in Operator Semigroups, December 18–21, 2017.

Workshop on Topology of Manifolds and Group Actions, November 9–22, 2017.

Research Scholar Seminar and Annual Conference of Society of Mathematical Sciences, May 1–2, 2017.

### Conferences Organised

International Conference on Topology and Geometry (ICTG-2017) in the Honor of Prof. Tej Bahadur Singh on the occasion of his retirement, November 23–24, 2017.

Research Scholar Seminar and Annual Conference of Society of Mathematical Sciences, May 1–2, 2017.

### Seminar/Conference Presentations

C.S. Lalitha delivered a series of four lectures on “Convex Sets and Convex Functions”, Short Term Training Programme on Nonlinear Analysis and Optimization Indian Institute of Technology (ISM), Dhanbad, December 1-5, 2017.

C.S. Lalitha delivered a series of four lectures on “Convex Sets and Convex Functions”, International Workshop on Convex Analysis and Optimization, Aligarh Muslim University, November 14-19, 2017.

C.S. Lalitha delivered an invited talk on “Pointwise and Global Well-Posedness in Set Optimization: A Direct Approach”, International Symposium on Operations Research and Game Theory: Modeling and Computation, Indian Statistical Institute, Delhi Centre, January 9-11, 2018.

C.S. Lalitha delivered an invited talk on “Approximate Weak Efficient Solutions and Continuity in Parametric Set Optimization”, International Conference on Analysis and its Applications, Aligarh Muslim University, November 20-22, 2017.

C.S. Lalitha delivered an invited talk on “Convergence of Solution Sets in Vector Optimization”, National Conference on Advances in Applied Mathematics and Statistics, September 7-8, 2017 at Mata Sundari College for Women, University of Delhi.

C.S. Lalitha delivered an invited talk on “Stability Aspects in Set Optimization”, 32<sup>nd</sup> Annual Conference of Ramanujan Mathematical Society, Rani Channamma University, Belagavi, June 23-25, 2017.

Lalit Kumar delivered an invited lecture “The Reconstruction Property of Fractals in  $L^p$  Spaces” International workshop on wavelets, frames and applications III at Kirori Mal college, University of Delhi, Delhi, December 14-20, 2017.

Lalit Kumar delivered an invited talk on “Hilbert Frames: A Signal Processing Perspective”, International Conference on Applicable Mathematics, organised by Department of Mathematics, Motilal Nehru College, University of Delhi, Delhi during February, 19-20, 2018.

Atul Gaur delivered an invited talk in International Conference on Recent Advances in Mathematics during February 17-18, 2018 held at Agarwal College, Ballabgarh.

Sachin Kumar presented a paper in the International Conference organised by Vardhaman College, Bijnor, India on “Lie-Symmetry Analysis and Similarity Reductions for the Non-Linear Partial Differential Equations”, February 24-25, 2018.

Sachin Kumar presented a paper in the International Conference organised by Inderprastha Engineering College, Ghaziabad, India on “Lie Symmetry Analysis and Invariant solutions of Born-Infeld equation”, January 04-06, 2018.

Sachin Kumar presented a paper in the International Conference organised by KIET Group of Institutions, Ghaziabad, India on “Symmetry Reductions and Invariant Solutions of (2+1)-Dimensional Zoomeron Equation”, December 22-23, 2017.

Ajay Kumar delivered an Invited talk entitled “Uncertainty Principles on locally compact groups in International conference on Mathematics & Applications, April 26-28, 2017.

Ajay Kumar delivered a special lecture on “Fourier series to Fourier Transform” at Karnatak University Dharwad on Feb. 2, 2018.

Ajay Kumar delivered an invited talk at Indian Institute of Technology, Delhi on “Uncertainty Principles on locally compact groups “ on Jan. 24, 2018.

### **Other Inter-Institutional Collaboration**

Many faculty members collaborate with researchers from various institutes like Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru; Indian Institute of Science (IISc), Bengaluru; Indian Institute of Technology Kanpur; University of Science, Malaysia; Kent State University, USA.

### **Placement Details (Number and percentage of students placed)**

Total 10 students were placed in 11 companies invited for placement with the average annual package was 6 lacs per annum.

### **Extension and Outreach Activities**

Organised a public lecture on by Field medallist Prof. Efim Zelmanov, University of California, San Diego on “Mathematics: Science or Art?” on December 4, 2017.

The Placement Cell organised a workshop on skills development, career and CV building in collaboration with WeekendR.

Pre Entrance Summer School 2017, June 9–22, 2017.

### **Number of M.Phil./Ph.D. Awarded**

Ph.D. : 22

M.Phil. : 19

**Faculty strength:** Permanent 22

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## **OPERATIONAL RESEARCH**

### **Major Activities and Achievements**

Department of Operational Research, since its inception, has established itself as a leading centre for education and research in the area of optimization and data analytics. To ensure a holistic development of students, apart from regular teaching and research, the department organizes a wide range of scholarly activities every year. The Department organizes both student oriented and research oriented workshops/conferences/seminars on regular basis. During 2017-18, the department organised a seminar-cum-workshop on “Business Analytics and Intelligence” and a workshop on “Python”. Eminent speakers from industry and academic institutions interacted with students and faculty and delivered lectures.

### **Honours/Distinctions**

Professor Chandra K. Jaggi

International Best Researcher Award 2017 was conferred on him for his contributions in the field of Inventory and supply Chain Management at 7th International Science Congress in Bhutan by International Science Community Association on December 08, 2017.

Recipient of Bharat Vikas Award by Institute of Self Reliance, Bhubaneswar, India, for the loyalty, Diligence & Outstanding Performance in the field of Operational Research on November 19, 2017.

Best Teacher Award by Grace India Educational Charitable Trust, Delhi on October 07, 2017.

Professor Pankaj Gupta

Short-term Foreign Expert, School of Information, Capital University of Economics and Business, Beijing, China, June-July, 2017.

Dr. Mukesh Kumar Mehlawat

Visiting Scientist, School of Information, Capital University of Economics and Business, Beijing, China, June-July, 2017.

## **Publications**

Aggarwal, N., Arora, A. and Anand, A. (2018). Modeling and characterizing viewers of You Tube Videos. *International Journal System Assurance and Engineering Management*, 9(2), 539-546.

Aggarwal, K. K. and Tyagi, A. K. (2017). Inventory and credit decisions under inflationary conditions with inflation induced bad-debts. *International Journal of Operations Research and Information Systems*, 9(3), 52-76.

Aggarwal, K. K. and Tyagi, A. K. (2017). Inventory and credit decisions under day-terms credit and stock-dependent demand. *International Journal of Supply Chain and Inventory Management*, 2(2), 99-121.

Anand, A., Bansal, G. and Agarwal, M. (2018). Modeling adoption of a successive generational product in multiple markets. In N. Shah and M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (427-441). Hershey, PA: IGI Global.

Anand A., Bansal G., Agarwal M. and Aggarwal D. (2018). Remanufacturing: An industrial strategy for economic benefits. In: M. Ram, & J. Davim (Eds.), *Diagnostic Techniques in Industrial Engineering, Management and Industrial Engineering* (137-155). Cham: Springer.

Anand, A., Agarwal, M., Aggarwal, D. and Singh, O. (2018). Innovation diffusion modeling considering the time lag between awareness and eventual adoption. *Journal of Advances in Management Research*, 15(1), 4-16.

Anand, A., Agarwal, M., Aggarwal, D. and Singh, O. (2018). Queuing theory-based innovation diffusion modelling incorporating change in adoption rate. *International Journal of Mathematics in Operational Research*, 12(1), 102-116.

Anand, A., Singhal, S. and Singh, O. (2018). Revisiting dynamic potential adopter diffusion models under the influence of irregular fluctuations in adoption rate. In N. Shah, & M. Mittal (Eds.), *Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques* (499-519). Hershey, PA: IGI Global.

Anand A., Singhal, S., Panwar, S. and Singh, O. (2018). Optimal price and warranty length for profit determination: An evaluation based on preventive maintenance. In P. Kapur, U. Kumar, & A. Verma (Eds.), *Quality, IT and Business Operations* (pp. 265-277). Singapore: Springer.

Anand, S., Verma, V. and Aggarwal, A. G. (2018). 2-Dimensional multi-release software reliability modelling considering fault reduction factor under imperfect debugging. *Ingenieria Solidaria*, 14(25), 13 pages.

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- Sharma, A. K., Jaggi, C. K. and Tiwari, S. (2017). Optimal replenishment policy for price dependent demand in different financial scenario under fuzzy environment. *International Journal of Inventory Research*, 4(2-3), 103-131.

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Srivastava, P. W. and Gupta, T. (2017). Accelerated life test plan under modified rampstress loading with two stress factors. *International Journal of Reliability and Applications*, 18(2), 21-44.

Srivastava, P. W. and Manisha (2017). A zero failure ADT under ramp soak-stress loading. *Journal of Risk and Reliability*, 1-12, Doi: 10.1177/1748006X17743136.

Srivastava, P. W. and Savita (2018). An accelerated life test plan for a two-component parallel system under ramp-stress loading using masked data. *International Journal of Quality and Reliability Management*, 35(3), 811-820.

Srivastava, P. W. and Savita (2017). Design of ramp-stress accelerated life test plans for a parallel system with two independent components using masked data. *International Journal of Reliability and Applications*, 18(2), 45-63.

Tiwari, S., Jaggi, C. K., Gupta, M. and Cárdenas-Barrón, L. E. (2018). Optimal pricing and lot-sizing policy for supply chain system with deteriorating items under limited storage capacity. *International Journal of Production Economics*, 200, 278-290.

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Verma, S. and Mehlaawat, M. K. (2017). Multi-criteria optimization model integrated with AHP for evaluation and selection of COTS components. *Optimization*, 66(11), 1879-1894.

#### **Number of Department Teachers serving as Editor(s)/Member(s) of Editorial Board**

Professor Chandra K. Jaggi

Chief-in-Editor, International Journal of Inventory Control and Management, Published by The Association for the Advancement in Combinatorial Sciences.

Chief-Editor, International Journal Of Scientific Research In Mathematical And Statistical Sciences, Published by International Scientific Research Organization for Science, Engineering & Technology.

Editor, International Journal of Systems Assurance Engineering and Management, Springer.

Associate Editor, The Gsf Journal of Mathematics, Statistics and Operations Research.

Member, Editorial Board, International Journal of Systems Science: Operations & Logistics, Taylor & Francis Group Ltd.

Member, Editorial Board, International Journal of Services Operations and Informatics, Inderscience Publishers Ltd.

Member, Editorial Board, American Journal of Operational Research, Scientific and Academic Publishing.

Member, Editorial Board, International Journal Of Enterprise Computing And Business Systems.

Member, Editorial Board, Research Journal of Management Sciences, International Science Congress Association.

Professor Pankaj Gupta

Associate Editor, Information Sciences (Elsevier).

Associate Editor, IEEE Transactions on Fuzzy Systems (IEEE Computational Intelligence Society).

Editor, Applied Soft Computing (Elsevier).

Associate Editor, International Journal of Fuzzy Systems (Springer).

Professor K. K. Aggarwal

Editorial Board Member, Amity Journal of Operations Management

Dr. Ompal Singh

Editorial Board Member, International Journal of Mathematical Engineering and Management Science (Springer).



Dr. Vandana Khaitan

Editorial Board Member, Amity Journal of Operations Management

Dr. Adarsh Anand

Associate Editor, International Journal of System Assurance and Engineering Management (Springer).

Editorial Review Board, Amity Journal of Operations Management.

Editorial Board Member, International Journal of Mathematical Engineering and Management Science.

### **Research Projects**

DST-PURSE Phase-II Grant from University of Delhi, 2014-2018, Rs. 25 Lakh.

### **Seminars Organised**

Dr. Mukesh Kumar Mehlawat, Organizing Secretary, Seminar-Cum-Workshop on Business Analytics and Intelligence Workshop organised by Department of Operational Research, University of Delhi, Delhi, February 10, 2018.

### **Seminar/Conference Presentations**

Professor Chandra K. Jaggi

Invited Talk, Department of Statistics, Ram Lal Anand Colleges, University of Delhi, Delhi, India, February 26, 2018.

National conference on “Advances in Operations Research and Mathematical Sciences”, Vardhaman College, Bijnor (U.P.) February 24-25, 2018.

International Conference on Mathematics and its Applications’ at Department of Mathematics, The University of Burdwan, Burdwan, West Bengal, February, 15-17, 2018.

International Conference on “Recent Trends in Operations Research and Statistics”, Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee, India, December 28-30, 2017.

International Conference on, “Advancing Frontiers in Operational Research: Towards a Sustainable World (AFOR2017) in conjunction with the 50th Annual Convention of Operational Research Society of India, Heritage Institute of Technology, Kolkata, India, December 21 -23, 2017.

Invited Talk, Department of Mathematics, Techno India University, Kolkata, December 22, 2017.

Invited Talk 'Techniques of Systems Analysis, Modeling and Simulation' at ISSA, DRDO Metcalfe House, December 12, 2017.

7th International Science Congress, at College of Science and Technology Rinchending, Phuentsholing, Chukkha, Bhutan, December 8 - 9, 2017.

Delivered Professor J. N. Kapur Memorial Lecture at 20th Annual Conference of Vijnana Parishad of India on, “Mathematical Sciences and Scientific Computing for Industrial Development & International Symposium on Probabilistic Models and Special Functions “, Department of Mathematics & Statistics, Manipal University Jaipur, Jaipur, November 24-26, 2017.

Professor Pankaj Gupta

Delivered Invited talk on “Multicriteria Decision Making using AHP” in the National Seminar on Applications of Graph & Network in Computational Studies, Bioinformatics, Engineering and its Technical Terminology, JNU, New Delhi, March 13, 2018.

Delivered Invited talk on “Intuitionistic Fuzzy Multiattribute Decision Making Method” in the International Symposium on Operations Research and Game Theory: Modeling and Computation, Indian Statistical Institute, Delhi Centre, January 11, 2018.

Delivered Invited talk on “Multicriteria Decision Making” in the Symposium on Mathematical Programming and Game Theory organised, South Asian University, New Delhi, December 15, 2017.

Professor Preeti Wanti Srivastava

Delivered invited talk on “Accelerated Life Tests with Dependent Competing Risks using Tampered Failure Rate Models”, IISA 2017, Hyderabad, December 27-30, 2017.

Dr. Ompal Singh

Presented paper in the International Conference of VijnanaParishad of India on “Recent Trends of Computing in Mathematics, Statistics & Information Technologies”, Bundelkhand University, Jhansi, March 9-11, 2018.

Presented paper in the “DQM International Conference on Life Cycle Engineering and Management”, Prijevor, Serbia, June 28-29, 2018.

Mr. Kaushal Kumar

Presented a paper titled “Optimal Location of Primary Health Centres to minimize load on tertiary hospitals” in the “4th Management Doctoral Colloquium and VGSOM Research Scholars Day”, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, March 14-15, 2018.

Presented a paper titled “A Maximal Coverage Model for Optimal Location of Primary Health Care Facilities ” in the International Conference on “Advanced Frontiers in Operational Research: Towards a Sustainable World”, Operational Research Society of India at Kolkata, December 21-23, 2017.

Dr. Adarsh Anand

Presented paper in the International Conference of VijnanaParishad of India on “Recent Trends of Computing in Mathematics, Statistics & Information Technologies”, Bundelkhand University, Jhansi, March 9-11, 2018.

Delivered talk in the “DQM International Conference on Life Cycle Engineering and Management”, Prijevor, Serbia, June 28-29, 2018.

Presented paper in the “International Conference on Quality Assurance Engineering and Interdisciplinary Research”, Peter the Great St. Petersburg Polytechnic University, Russia, August 23-25, 2017.

#### **Placement Details**

Number and percentage of students placed: 69 (61%)

Number of Companies visited for campus recruitment: 23

#### **Number of M.Phil./ Ph.D. Degrees Awarded**

Ph.D. : 08

M.Phil. : 16

#### **Faculty Strength**

Permanent – 12

#### **Other Significant Information**

Professor Preeti Wanti Srivastava

Invited as visiting fellow in Department of Statistics, Panjab University, Chandigarh, March 15-21, 2018.

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### **STATISTICS**

#### **Major Activities and Achievements**

The Department of Statistics is involved in carrying out research and teaching in diverse fields of Statistics. It has used the power of Statistics and knowledge of computers to contribute significantly in the area of research. The main thrust of the Department is to conduct basic and applied research and to develop trained manpower in the discipline of Statistics. The Department conducts three degree-oriented programmes, viz. M.A./ M.Sc. Statistics, M. Phil. and Ph.D. with a syllabus that incorporates emerging and core areas in different fields of Statistics. The Department also organizes special invited talks by eminent persons from India and abroad. Distinguished Professors visited the Department to deliver research talks and interact with the faculty and students. The Department has achieved a great success in suitable placement of students in reputed national and international companies/organizations.

#### **Publications**

Chaturvedi A., Belaghi A. R. and Malhotra A. (2018). Preliminary test estimators of the reliability characteristics for the three parameters Burr XII distribution based on records. *International Journal of*

*System Assurance Engineering and Management*. <https://doi.org/10.1007/s13198-018-0710-4>. [ISSN: 0976-4348]

Mukhopadhyay N., Chaturvedi A. and Malhotra A. (2018). Two-stage procedures for the bounded risk point estimation of the parameter and hazard rate in two families of distributions. *Journal of Sequential Analysis*, 37 (1), 69-89. <https://doi.org/10.1080/07474946.2018.1427978>

Chaturvedi, A. and Kumari, T. (2017). Estimation and Testing Procedures for the Reliability Functions of a General Class of Distributions. *Communications in Statistics-Theory and Methods*, 46(22), 11370-11382. [ISSN: 0361-926].

Chaturvedi, A. and Kumari, T. (2017). Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme. *Communications in Statistics-Theory and Methods*. Doi:<https://doi.org/10.1080/03610926.2017.1414264> [ISSN: 0361-926].

Chaturvedi A. and Malhotra A. (2017). On the construction of preliminary test estimators of the reliability characteristics for the exponential distribution based on records. *American Journal of Mathematical and Management Sciences*. Doi:10.1080/01966324.2017.1392269.

### **Seminars Organised (Selected)**

Ms. Debanjana Datta, Director of NSSTA, Greater Noida “Opportunities in Government Sector and life of an ISS officer” and “Official Statistics” on March 16, 2018.

Professor P. Yageen Thomas, Department of Statistics, University of Kerala, Kariavattom Trivandrum “Role of concomitant of some ordered random variables in determining parent bivariate distribution” on Feb 01, 2018.

Professor Stephen Stigler, University of Chicago, U.S.A. “Mahalanobis and Fisher : Mathematical Statistics as Global Enterprise” on December 12, 2017.

Professor Nick Wood, Director of Innovation and Enterprise, University of Kent, U.K. “The Actuarial Profession” on September 15, 2017.

Professor Arun Kumar Sinha, Professor and Head (I/C), Department of Statistics, University of South Bihar, Patna “Rank Set Sampling as a Cost Effective Data Method” August 18, 2017.

### **Conferences Organised**

Faculty Development Program on Financial Statistics during Dec 20-22, 2017.

Faculty Development Program on Actuarial Statistics during Dec 27-28, 2017.

### **Placement Details (Number and percentage of Students placed)**

Number and percentage of students' participants: 56 and 75.67%

Number and percentage of students placed: 52 and 92.86%

Number of Companies visited for campus recruitment: 23

### **Extension and Outreach Activities**

Orientation program for batch 2017-18

Orientation program for placement of M.A./M.Sc. batch 2017-18

Teacher's Day celebration on Sep 5, 2017

CV making Workshop on Sep 15, 2017

Series of aptitude tests organised for M.A./M.Sc. 1st year students in the months February-April.

### **Number of Ph.D./M. Phil. Awarded**

Ph.D. - 06

M.Phil. - 06

### **Number of faculty Permanent/Temporary/Ad-hoc**

Permanent - 04

Ad-hoc - 05

### Other Significant Information

The Department has its own placement cell called Credence. It was created in 2004, with an objective to provide a platform for placements of students pursuing M.A./M.Sc. Statistics from University of Delhi. Through the placement cell, students get an opportunity to interact with organizations in the corporate world. Every year, about 75% of the students get placed through Placement Cell. In 2017-18, 52 students got placed through the Placement Cell. The Department has its own website [statistics.du.ac.in](http://statistics.du.ac.in). The information about the placement cell, faculty, research scholars, and other staff of the department, courses run by the department, syllabus and other relevant information can be found on the department website. The Department has two well-equipped fully computerized laboratories with latest computing facilities to the students and researchers.

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### FACULTY OF MEDICAL SCIENCES

The Faculty of Medical Sciences began in the year 1970 for training students in Medical Sciences at Undergraduate, Postgraduate, Super-specialty and Ph.D levels. It has fourteen colleges/institutes affiliated to it. Number of Medical Colleges and Hospitals affiliated to it :-

Maulana Azad Medical College, New Delhi 110002  
Lady Hardinge Medical College, New Delhi 110001  
University College of Medical Sciences, Delhi 110095  
Vallabhbhai Patel Chest Institute, Delhi 110007  
GB Pant Institute of PG Medical Education & Research, Delhi 110002  
Maulana Azad Institute of Dental Sciences, New Delhi 110002  
Institute of Human Behaviour and Allied Sciences, Delhi 110095  
Army Hospital (Research & Referral), Delhi Cantt 110010  
National Institute of Health and Family Welfare, Munirka, Delhi 110067  
Kasturba Hospital, Delhi 110002  
Institute of Nuclear Medicine and Allied Sciences, Timarpur, Delhi 110054  
Hindu Rao Hospital, Malka Ganj, Delhi 110007  
Central Health Education Bureau, Delhi 110002  
Chacha Nehru Bal Chikitsalaya, Geeta Colony, Delhi 110031

Courses:

Undergraduate:-

1. MBBS
2. BDS
3. B.Sc. (MIT) Radiology

Postgraduate: - MD and MS Courses:

i.	Anaesthesiology
ii.	Anatomy
iii.	Biochemistry
iv.	Community Health Administration
v.	Community Medicine
vi.	Dermatology, Venereology & Leprosy
vii.	Forensic Medicine
viii.	General Medicine
ix.	General Surgery
x.	Microbiology
xi.	Obstetrics & Gynecology
xii.	Ophthalmology
xiii.	Orthopedics
xiv.	Otorhinolaryngology(E.N.T)
xv.	Paediatrics

xvi.	Pathology
xvii.	Pharmacology
xviii.	Physiology
xix.	Psychiatry
xx.	Pulmonary Medicine
xxi.	Radio Diagnosis
xxii.	Radio Therapy

Dental Courses: -

MDS Conservative & Endodontics  
MDS Oral and Maxillofacial Surgery  
MDS Oral Medicine & Radiology  
MDS Oral Pathology  
MDS Orthodontics & Dentofacial Orthopaedics  
MDS Paedodontics & Preventive Dentistry  
MDS Periodontology  
MDS Prosthodontics and Crown & Bridge  
MDS Public Health Dentistry

M.Sc. and M.Phil. Courses: -

M.Sc. (Medical Imaging Technology)  
M.Phil. (Clinical Psychology)

Super-speciality Courses: -

DM Cardiology  
DM Medical Gastroenterology  
DM Neonatology  
DM Neurology  
DM Cardiac Anaesthesia  
DM Pulmonary Medicine  
M.Ch. Cardio-Vascular & Thoracic Surgery (CVTS)  
M.Ch. Neurosurgery  
M.Ch. Pediatric Surgery  
M.Ch. Surgical Gastroenterology

P.G. Diploma Courses:-

Anaesthesiology (DA)  
Derma, VEN., & LEP (DDVL)  
Health Administration (DHA)  
Health Education (DHE)  
Obstetrics & Gynaecology (DGO)  
Ophthalmology (DO)  
Otorhinolaryngology (DLO)  
Paediatrics (DCH)  
Radiation Medicine (DRM)  
Radio-Diagnosis (DMRD)

Ph.D. Programme:-

- Anaesthesiology
- Anatomy
- Bio-Chemistry
- Community Medicine
- Dermatology, Venereology and Leprosy
- General Medicine
- General Surgery
- Microbiology
- Obstetrics & Gynaecology
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Radiology
- Pulmonary medicine

The following departments are there in the Faculty of Medical Sciences:

- Anaesthesiology
- Anatomy
- Bio-Chemistry
- Community Medicine
- Derma., ven. & lep.
- Forensic Medicine
- General Medicine
- General Surgery
- Microbiology
- Obstetrics & Gynaecology
- Ophthalmology
- Orthopaedics
- Otorhinolaryngology (E.N.T.)
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Psychiatry
- Pulmonary Medicine
- Radiology
- Radiotherapy
- Dental Science

Admissions: Every year the faculty admits students for its undergraduate, Postgraduate, Super-Speciality and Ph.D. Courses. In the year 2017, the following number of students were admitted:-

MBBS - 600 Students

BDS - 40 students

Postgraduate (MD/MS/Diploma/MDS) Students - 546

DM and MCh Students - 47

PhD students - 12

B.Sc. (MIT) Radiology – Admission by concerned college

M.Sc. (Medical Imaging Technology) – Admission by concerned college

M.Phil. (Clinical Psychology) - Admission by concerned college

Degrees awarded (2017-18):

MBBS/BDS: degree awarded by respective Colleges

MD/MS & Diploma: degree awarded by respective Colleges

DM/M.Ch: degree awarded to 39 students from Delhi University

PhD: degree awarded to 26 students from Delhi University

Patent filed: Dr. Sumit Jha (IIT, Delhi) and Dr. Lalit Maini (Department of Orthopaedics, Maulana Azad Medical College): Bending of Orthopedic Plates Indian Application Number 2017111038563. Applicant is IIT Delhi.

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## ANATOMY (LHMC)

### Major Activities and Achievements

All rooms have Internet connectivity and Medical Cytogenetics lab will soon be functional.

### Honours/Distinctions

Dr. Anjoo Yadav got awarded with “The International Certificate on Principles of Bio-ethics and Human Rights” after completion of the three-month online Certificate Course by UNESCO Chair in Bio-ethics, Haifa, Deptt. of Education in Oct 2017

### Publications

Agarwal, B. B., Agarwal, S., Dhamija, N. and Chintamani, C. (2017). Practice of Surgery–Decision, Precision, Incision. *Indian Journal of Surgery*, 79(5) Doi: 10.1007/S122262-017- 1711-2.

Gandhi, S., Singla, R. K., Kullar, J. S., Agnihotri G. (2017). Distal Tibial Morphometrics-Clinico-Anatomical Appraisal. *NSJA*, 2(1), 21-26.

Panse, N. S., Joshi, S. B., Sahasrabudhe, P. B., Bahetee, B., Gurude, P. and Chandanwale, A. (2017). The Anterior Interosseus Artery Perforator Flap. *Anatomical Dissections and Clinical Study*.6 (2), 152-158.

Verma, M., Joshi, S., Tuli, A., Raheja, S., Jain, P. and Srivastava, P. (2017). Morphometry of Proximal femur in Indian population. *J Clin Diagn Res*, 11(2), AC01-AC04.

### Journals Published/ Edited

Dr Anita Tuli: Editorial board member for online journal ‘Brachial plexus, Forensic and Neuroscience, Journal of ASI, Reviewer for Elsevier

### Research Projects

Non funded:

Morphometry of the trachea-bronchial tree dimensions: Gross and CT Study and its topographic relationships with pulmonary artery in Adults. Dr. Sweta Maurya (candidate). Supervisor, Dr. Anita Tuli

### Faculty Strength: 12

### Other significant information

EMBALMING: 655 bodies were embalmed during the period from 1st Jan.2017 till December 2017 for teaching of medical students as well as public service (LHMC being nodal centre for Embalming).

Dr. Shashi Raheja: Member Editorial board for Indian Journal of Otology

### Department organised

Body Donation Awareness Campaign (2016-2017) and Felicitation programme of Families of Donors, Registered donors and volunteers, Release of Magazine "Tribute to a silent teacher- Human Body". Venue- Swarn Jayanti Auditorium, LHMC. May 12<sup>th</sup>, 2017

Educational & Motivational Tour for Girl students of Srinagar (J&K) under

'Sadbhavana' Indian Army's Flagship with OIC Major Ravi Shukla. Date: Dec. 2017

Educational & Motivational Tour for Girl students of Ladhak under 'Sadbhavana' Indian Army's Flagship Date: Jan. 2018

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## ANATOMY (UCMS)

### Major Activities and Achievements

Cadaveric oath was taken by new medical entrants. Faculty and residents were involved in imparting quality teaching to I and II semester MBBS, BSc Radiology, BSc Physiotherapy and MLT students. Apart from this, despite acute shortage of faculty and residents, the faculty and residents managed to publish papers and at the same time conducted University level examination for all the courses. The faculty was also involved in examining PhD thesis, MS Anatomy thesis and were also external examiners for MBBS and MD Anatomy courses of various Universities. Was invited to attend Deh Daniyon ka Utsaav at **Rashtrapati Bhavan**. Chief guest on this occasion- was Honourable President of India – Shri. Ram Nath Kovind. The department helped in organizing ENT and Surgery workshops. Faculty members of the Department are reviewer of various journals.

### Honours/Distinctions

Dr. Renu Chauhan was awarded 'Distinguished Doctor's' Award by IMA on 06.07.2017 on doctors' day celebration. She was one of the organizing chair person in the ENT workshop – "Hands on Head and Neck Cadaveric Dissection and Reconstruction workshop" held in Department of Anatomy from Oct. 12-14, 2017.

### Publications

Esakkiammal, N., Chauhan, R. and Sharma, R. (2017). Clinical implications of variable origin of external carotid artery branches and high-level bifurcation of common carotid artery. *Int J Anat Res*, 5(2.3), 3958-3963.

Esakkiammal, N., Chauhan, R. and Sharma, R. (2017). Clinical significance of presence of extensor indicis brevis manus – A case report. *J Clin Diagn Res*, 11(11), 5-6.

Jha, S. and Chauhan, R. (2017). Morphological and topographic study of diaphyseal nutrient foramen of femur and its clinical implications in North Indian Population. *International J. of Research in Medical Sciences*. 5(9), 4036-4040.

Jha, S., Khorwal, G. and Kalra, S. (2017). An extraordinary variation in origin of inferior alveolar nerve and its clinical significance: A case report. *International J. of Research in Med. Sciences*. 5(7), 3235-3238.

Jha, S., Kumar, D., Kaul, J. M., Singh, T. and Dubey, A. P. (2017). Cytogenetic pattern profiling in cases of Acute Lymphoblastic Leukemia in Pediatric age group. *Journal of Anatomical Society of India*, 66, 48-53.

Kalra, S., Thamke, S. and Khandelwal, A. (2017). Anatomy of coracoids process and glenoid cavity – A morphometric study. *J of Anat. Soc. of India*, 66, S90.

Khorwal, G., Chauhan, R. and Nagar, M. (2017). Effect of cyclophosphamide on liver in albino rats: a comparative dose dependent histomorphological study. *IJBAR*, 8(03), 102-107.

Khorwal, G. and Kalra, S. (2017). A peculiar case of dural venous sinuses with resulting atypical bony markings in posterior cranial fossa. *International Journal of Research in Medical Sciences*. 5(6), 2830-2832.

Nagpal, H. and Chauhan, R. (2017). Unilateral Duplex Collecting System with incomplete duplication of ureter – A case report. *International Journal of Research in Medical Sciences*, 5(5), 2254-2256.

Nagpal, H., Chauhan, R. and Kalra, S. (2017). A unique variation of right renal artery: a case report. *International Journal of Anatomy and Research*, 5(3.2), 4303-4307.



Yadav, S., Kalra, S. and Wadhwa, S. (2017). Destructive effects of 4-methylimidazole on histomorphology of liver. *Journal of Morphological Sciences*, 34(4), 232-235.

### **Conference Organised**

“Hands on Head & Neck, Cadaveric Dissection and Reconstruction” a Workshop by the Department of ENT and Anatomy from Oct. 12-14, 2017.

Acute Critical Care, a workshop by the Department of Surgery and Anatomy on 1st Jan, 2018.

### **Seminars / Conference Presentations**

Dr. Chauhan Renu :-Chaired a session in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi on Oct. 13, 2017

Dr. Kalra Sunita :- Took a guest lecture on “Surgical Anatomy of larynx” in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop held in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi on Oct. 12, 2017.

### **Placement Details : 3**

Dr Gitanjali Khawal joined as Assistant Professor in the Department of Anatomy, AIIMS, Rishikesh, U.P.

Dr Shweta Jha joined as Assistant Professor in the Department of Anatomy, Banaras U.P.

Dr Hema Nagpal joined as Assistant Professor in the Department of Anatomy, Sarawati Institute of Medical Sciences, Hapur, U.P.

### **Faculty Strength: 2/8**

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## **ANAESTHESIOLOGY (MAMC)**

### **Major activities and achievements**

The department faculty received various awards and organised the prestigious post graduate assembly of North Zone. The department published around 47 publications in international and national journals of repute and contributed chapters in books. Faculty members were active participants in various academic conferences and delivered various talks and conducted workshops. The departmental faculties are on editorial boards and reviewers of reputed journals. They are examiners for various exams and experts and assessors of various boards and also involved in health services to community.

### **Honors and distinctions**

Dr Kapil Chaudhary was awarded the IAPC Certificate in Essentials of Palliative Care on completion of certificate course at BRAIRCH, AIIMS in May 2017.

### **Publications**

Arya, M., Dali, J. S., Hussain, F. and Sarin, Y. K. (2017). Cystic teratoma of face and scalp- Management of difficult pediatric airway by modification of conventional technique. *J. Neonatal surg*, 6, 82.

Bhadoria, D. P., Goyal, K., Nithin, S. G., Pradhan, G. S. and Bhadoria, P. (2017). Correlation between Lung Function and Carotid Intima Media Thickness in Indian Patients of Stable Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*, 195, A3632.

Bhadoria, P., Nithin, S. G., Goyal, K. and Bhadoria, D. P. (2017). Correlation between Lung Function and Carotid Intima Media Thickness in Indian Patients of Bronchial Asthma. *Am J Respir Crit Care Med*, 195, A7466.

Bhalotra, A. R. (2018). Negative pressure pulmonary edema. *Korean J Anesthesiol*, 71(1), 71-72.

Bhalotra, A. R. (2018). Let us not discard a preexisting epidural catheter for intrapartum caesarean section yet! *Korean J Anesthesiol*, 71(3), 244-245.

Bhalotra, A. R. (2018). Breathing circuit compliance and displayed tidal volume during pressure-controlled ventilation of infants. *Pediatric Anesthesia*, 28(3), 301-302.

- Chaudhary, K., Bagharwal, P., Wadhawan, S. (2017). Anesthesia for intellectually disabled. *J Anaesthesiol Clin Pharmacol*, 33(4), 432-40.
- Choudhary, N., Kumar, A., Wadhawan, S., Bhadoria, P. and Kohli, A. (2017). Hip replacement in a patient of sickle cell disease: an anaesthetic challenge. *Indian Journal of Clinical Anaesthesia*, 4(4), 539-41.
- Chugh, V., Bhalotra, A. R. (2017). Is single-shot thoracic epidural the only aid to early discharge after pediatric laparoscopic cholecystectomy? *Paediatric Anaesth*, 27(8), 871- 872.
- Dhanda, A., Singh, S., Bhalotra, A. R., Chavali, S. (2017). Clinical Comparison of I-Gel Supraglottic Airway Device and Cuffed Endotracheal Tube for Pressure-Controlled Ventilation during Routine Surgical Procedures. *Turk J Anaesthesiol Reanim*, 45(5), 270–276.
- Dubey, M., Goel, N., Choudhary, I. and Gupta, L. (2017). C-MAC D-blade laryngoscope: A saviour for difficult intubation in lateral position. *IJCA*. 4(4), Doi:10.18231/2394-4994.2017.0107.
- Gandotra, S., Saxena, K. N. and Sharma, K. (2017). Management of cesarean section in a patient with paraplegia and difficult airway with full stomach – a case report. *Int J Anes&Rel*, 1(1), 11-12.
- Gupta, B., Gupta, A., Agarwal, M. and Gupta, L. (2017). Glenn shunt: Anaesthetic concerns for a non cardiac surgery. *Northern Journal of ISA*, 2, 36- 42.
- Gupta, B. and Gupta, L. (2018). Anesthesia Consideration for Renal Disease. A review Article. *ARC Journal of Anesthesiology*, 3(1), 9-14.
- Gupta, B. and Gupta, L. (2018). Anesthetic considerations in a case of Fahr and primrose syndrome. *Anesthesiol Open J*. 3(1), 1-6.
- Gupta, B. and Gupta, L. (2018). Anesthesia Considerations for anemia in pregnancy. *International Research Journal of Pharmacy and Medical Sciences*, 1(2), 10-13.
- Gupta, B., Gupta, L. and Kakkar, K. (2018). Anesthesia Considerations for Pheochromocytoma. *International Research Journal of Pharmacy and Medical Sciences*, 1(1), 29-33.
- Gupta, B. and Gupta, L. (2018). Anesthesia and Cardiovascular Disease. *Archives of Anesthesiology*, 1(1), 1-9.
- Gupta, B., Kakkar, K., Gupta, L. and Gupta, A. (2018). Anesthetic considerations for a parturient with pulmonary hypertension: A review article. *Indian Anaesth Forum*, 18(2), 39-45. Doi: 10.4103/TheIAForum. The IAForum\_28\_17.
- Gupta, B., Kakkar, K., Gupta, A. and Gupta, L. (2017). Advik Technique' of Peripheral Intravenous Cannulation-Different Perspective in Difficult Situations. *ARC Journal of Anesthesiology*, 2(2), 5-6. Doi: <http://dx.doi.org/10.20431/2455-9792.0202002>
- Gupta, B. and Kerai, S. (2018). Warranted use of fiberscope in elective percutaneous dilatational tracheostomy. *The Indian Anaesthetists' Forum*, 19(1), 34-5.
- Gupta, B. and Kerai, S. (2018). Amlodipine toxicity complicated by concurrent medications. Doi: <https://doi.org/10.4097/kja.d.17.00071>.
- Gupta, B., Prasad, N., Agarwal, M. and Seth, V. (2017). Total intravenous anesthesia for parathyroid adenoma in a child. *APSP J Case Rep*, 8, 35.
- Gupta, D., Taneja, B. and Saxena, K. N. (n.d.) Anesthetic considerations in a case of post splenectomy reactive thrombocytosis. [Accepted for publication in NJISA (Northern Journal of ISA)].
- Gupta, L., Kakkar, B., Gupta, A. and Jain, R. (2018). Anesthetic considerations in an infant with congenital cystic adenomatoid malformation. *IJCA*, 5(1), 156-158.
- Hasija, N., Wadhwa, B. and Saxena, K. N. (2017). Unexpected Epidural Catheter Migration: Avoiding the pitfalls. *Egyptian Journal of Anesthesia* <https://doi.org/10.1016/j.egja.2017.09.004>.
- Kakkar, B., Agarwal, M., Sehgal, A. and Prasad N. (2017). Anesthetic considerations for video-assisted thoroscopic surgery in a child with Glenn Shunt for thoracic duct ligation. *Saudi J Anaesthesia*, 395, 17R3.
- Kakkar, B., Prasad, N., Seth, V. and Agarwal, M. (2017). Successful combined spinal- epidural anesthesia for a case of scleroderma for amputation. *The Indian Anesthetists Forum*, 18(2).
- Kakkar, B., Bhalotra, A., Gupta, L., Gupta, A. and Boishya, M. (2017). Relevance of whatsapp anaesthesia group in clinical practice. *International Journal of Current Advanced Research*, 6(2), 2211.

- Kakkar, B. and Bhalotra, A. R. (2017). Anaesthesia for the deaf and dumb. *Korean J Anesthesiol*, 70(6), 654-655.
- Kakkar, B., Kachru, N., Boishya, M. and Gupta, L. (2017). Pediatric septic arthritis with pericardial and pleural effusions for emergency drainage. *IJCA*, 4(3), 412-415. Doi:10.18231/2394-4994.2017.0082.
- Kakkar, B., Gupta, L., Gupta, A. and Kakkar, K. (2017). Avoiding failed spinal anesthesia: "Advik technique". *Saudi J Anaesth* 11(4), 495-496. Doi: 10.4103/sja.SJA\_98\_17.
- Kakkar, B., Ahmad, S., Gurha, P., Gupta, L. and Gupta, A. (2017). Effects of Dexmedetomidine on Intraoperative Hemodynamics and Opioid Requirement in Laparoscopic Cholecystectomy. *Indian Journal of Anesthesia and analgesia*, 4(2), 191-196. Doi: <http://dx.doi.org/10.21088/ijaa.2349.8471.4217.2>. [ISSN No. 2394-8471]
- Kerai, S., Saxena, K. N. and Taneja, B. (2017). Post-caesarean analgesia: what is new? *Indian Journal of Anaesthesia*, 61(3), 200-214.
- Kerai, S. and Saxena, K. N. (2017). Quadratus lumborum block for post-caesarean analgesia. *Indian journal of Anaesthesia*, 61(4), 364.
- Kerai, S., Sehrawat, L., Saxena, K. N. and Taneja, B. (2017). Occurrence of Kounis syndrome under anesthesia. *J AnaesthesiolClinPharmacol*, 33, 276-7.
- Nishtha, K., Riniki, S., Dineep, A. and Lalit, G. (2017). Lost and Found! Broken Tracheostomy Tube in Situ. *Indian Journal of Anesthesia and analgesia*, 4(2), 357-359. Doi: <http://dx.doi.org/10.21088/ijaa.2349.8471.4217.29>. [ISSN: 2394-8471]
- Panwar, S., Arora, D., Kapur, A. and Saxena, K. N. (2017). Sterile water injection labour analgesia in a parturient with preeclampsia with thrombocytopenia. *Int J ReprodContraceptObstetGynecol*, 6, 743-5.
- Panwar, S., Saxena, K. N. and Gaba, P. (2017). Patient with persistent low oxygen saturation for emergency cesarean section. *Anesth Essays Res*, 11, 778-80.
- Sarin, Y. K., Raj, P., Arya, M. and Dali, J. S. (2017). Congenital syngnathia; turmoils and tragedy. *J Neonat Surg*, 6, 12.
- Saxena, K. N., Gaba, P. and Taneja, B. (2017). An unexpected cause of post- operative temporomandibular joint subluxation. *Northern Journal of ISA*, 2, 31- 32.
- Sikri, H., Taneja, B. and Saxena, K. N. (2017). Does the maternal position at the time of administration of subarachnoid block with plain Ropivacaine affect the hemodynamic? A comparative evaluation of the sitting versus lateral position. *Int J Med Health Sci*, 6 (4), 237-42.
- Singh, A. and Gupta, L. (2018). Supraglottic Airway Devices: A Knock of Future. *Anaesth Critic Care*, 3(1), 129. [ISSN: 2577-4301].
- Singh, R., Sood, N., Kerai, S. and Puri, A. (2017). Use of Merocel aids in prevention of nasal pressure ulcers following nasal intubation: case series of 33 patients. *Indian Journal of Anaesthesia*, 61(6), 513.
- Varughese, S. A., Saxena, K. N. and Taneja B. (n.d.) Comparative evaluation of single level paravertebral block versus caudal block for post-operative analgesia in pediatric inguinal surgery. [Accepted for publication in NJISA (Northern Journal of ISA)].
- Wadhwa, B., Hasija, N. and Saxena, K. N. (2017). Regional anaesthesia for the neonate. *J Neonatal Surg*, 6, 79.
- Wadhwa, B., Gandotra, S., Bansal, V. and Saxena, K. N. (2017). A Potentially Devastating Unexpected Complication of Intubation. *MAMC J Med Sci*, 3, 172-3.

### Chapters/ Books Published

- Kumar, Rakesh & Gupata, Akhilesh. (2017). Airway Management in Oral Surgeries. In Gupta N, Garg R, Bharti SJ, Kumar V, Mishra S & Bhatnagar S. Selina. (Eds.). *Update in Onco-Anaesthesia*, (pp.99-110). New Delhi: Publishers.
- Arya, Mona. (2017). Anaesthesia & Analgesia for Obstetrics. In Sachdev, Poonam and Batra, Swaraj. (Eds.). *Essentials of Obstetrics*. Thieme Publishers.
- Chaudhary, Kapil. (2017). ICU care for Obstetrics. In Batra, Swaraj. (Ed.). In Sachdev, Poonam and Batra, Swaraj. (Eds.). *Essentials of Obstetrics*. Thieme Publishers.

## **Journals**

Departmental teachers serving as editors or members of editorial board

Dr. Kirti Nath Saxena, Director, Professor: On Editorial Board of

Journal of Anaesthesiology clinical pharmacology. Northern Journal of ISA

Journal of Anaesthesiology & Pain Researcher Medical Journal of DY Patil University,

Anaesthesia Intensive Care and pain therapy, Journal of Anesthesiology and Pain Research

Dr Lalit Gupta

Journal of Clinical Anesthesia

Journal of Anesthesia and Analgesia

Science Domain Journal

American Research Journal of Anesthesia

## **Seminars organized**

Monthly clinical meet of Delhi Chapter of ISA November 2017

## **Conferences organised**

North Zone PG Assembly February 2018

## **Seminar/conference presentations**

Dr. J. S. Dali

International conference on perioperative care of cancer patients at AIIMS, New Delhi, Oct. 14-15th, 2017: Expert /Panelist – In a panel discussion.

PG Assembly, GB Pant Hospital, Feb, 2018 – delivered a lecture on Oxygen therapy

Dr. Poonam Bhadoria

Indian Society Anesthesiology Conference, Dehradun, Uttarakhand (ISACON-UK 2017) 28-29 October 2017. Chaired as judge for competitive paper session

Coordinator of live workshop on operative procedures in conference of GNEC, New Delhi, 9 Dec 2017

Dr. Rakesh Kumar

International Conference of Peri-operative Care of Cancer Patients KAAMCON Kochi

PG Assembly at GB Pant hospital

PG Assembly of ISA-North Zone, Delhi

PG Assembly of ISA-UP, Lucknow

Dr. Kirti Nath Saxena

Invited as expert in All India Radio program ‘ Baat Sehat ki’ in April 2017

Invited as faculty in ISA Delhi branch annual conference to conduct panel discussion on ‘Controversies in obstetric anesthesia’ on April 8, 9 2017 .

Invited as faculty in PG Assembly of North Zone ISA and took lecture on ‘Patient with valvular heart disease for cesarean section’ on 23.8.17

Invited as faculty to ICACON 2017, Varanasi. Took lecture on ‘Labour analgesia modalities’. Chaired session on ‘Obstetric Anesthesia’.

Moderator for presentations in ISA monthly meet in MAMC

Invited as faculty in PG Assembly of ICA at GB Pant hospital and took lecture on ‘Patient with valvular heart disease for cesarean section’ in Feb. 2018.

Dr. Munisha Agarwal

ISA Delhi Chapter, organised by Fortis Hospital, Gurgaon, Panelist for discussion on “ Safety Practices in Anesthesia for morbidly obese” April 9<sup>th</sup>, 2017

Seed workshop on Airway Management 2017 at LHMC, Delhi- Delivered lecture on “General Anesthesia for Difficult Airway”.

24th Annual NARCHI Conference of Obstetrics and Gynaecology ,LHMC,Delhi, Panelist for case discussion on “Sepsis in Obstetrics“, Oct. 28th—29th, 2017

ENT MAMC Update, delivered lecture on “Anaesthesia for ENT Surgeries”, Dec 2nd 2017.

Bariatric Surgery CME, Max Superspeciality Hospital, Delhi, delivered a lecture on Extubation strategies in Morbidly Obese patients and chaired a session on Difficult Airway Management in morbidly obese patients, Feb. 3<sup>rd</sup>-4<sup>th</sup>, 2018;

Airway Congress 2018, Delhi, faculty for Fiberoptic intubation station and panelist for Difficult airway management cases.

Dr. Kavita Rani Sharma,

Chaired a session at IAPA 2017

Delivered a lecture at PG Assembly ISA Delhi branch at GIPMER, Feb 2018

Delivered a lecture at PG Assembly at UCMS, Aug 2017

Dr. Anju Bhalotra

Invited as faculty for CME on Paediatric anaesthesia at PGI Chandigarh and delivered lecture on “Perioperative management of burns in children”, August 13, 2017

Faculty at AIDAA NAC Conference at AIIMS. Moderated 2 panel discussions: 1. Airway management in obese patients 2. Airway management in patients with burn contracture neck. Judged the E poster session, Sept. 8th- 10th, 2017.

Invited as faculty for PGA at GTBH on “Pregnant patient for non-obstetric surgery; laparoscopic cholecystectomy/ appendicectomy”, on August 23rd, 2017.

Delivered a lecture on ‘Paranasal oxygenation in the obese’ at ASOCON 2018 and Bariatric Anesthesia CME Series 9 MAX superspeciality hospital Saket, Feb 2nd-3rd, 2018.

Expert on panel discussion at AIRWAY – 2018, Feb. 10th-11<sup>th</sup>, 2018.

Delivered a lecture on “Allowable Blood Loss estimation in Surgery” at Paediatric Surgery Update at MAMC, Delhi, March 23 rd , 2018.

Delivered a lecture on “Pregnant patient for non-obstetric surgery; laparoscopic cholecystectomy/ appendicectomy” at PGA 2018 at GBPH , Feb. 24 th ,2018

Participated in BLS and ACLS courses at PGMET cell, MAMC

Dr. Sonia Wadhawan

A lecture on ‘Anaesthetic considerations in a patient with PIH’ in PG Assembly conducted by GB Pant and MAMC at GIPMER, Feb. 2018.

Instructor for the MAMC Surgical skills and life support courses(SSLSC), Aug- Sept. 2017.

Pathophysiology & anaesthetic considerations for cesarean section in a patient with severe PIH at the ISA - PG Assembly at UCMS, August 23rd, 2017.

Instructor in the MAMC Post graduate advanced life support courses(PGACLS)- 2017 program Sept-Nov. 2017.

Moderated a session in the ISA monthly meet organised by Deptt of Anesthesia at MAMC in October 2017

As Faculty in Airway 2018 at Aerocity, New Delhi I moderated a session on Pediatric airway Feb 10-11, 2018.

Dr. Bharti Wadhwa

Faculty as chairperson at Annual conference of ISA Delhi branch, April 2017.

Faculty for workshop at Seed Workshop of Airway Management Foundation September 2017.

Lecture on Videolaryngo scope at Seed Workshop of Airway Management Foundation September 2017.

Invited as Faculty for Lecture on Obstetric Airway Feb2018 Airway 2018.

Faculty for workshop on AEC, Airway 2018, Feb 2018.

Lecture on Labor Analgesia at NZ PG Assembly 2017 held at UCMS New Delhi August 2017.

Moderator for monthly clinical meet of ISA Delhi Chapter held at MAMC, November 2017.

Dr. Neelam Prasad

Represented Delhi at National ISACON – Kolkata 2017 for T N JHA.

Poster presentation of paper in American Society of Anaesthesia 2017 Boston.

Examiner for Diploma in Anesthesia held in April 2017.

Faculty at conference held in Lady Hardinge Medical College for Airway Management Foundation.

Faculty for ACLS/BLS course held in Maulana Azad Medical college for undergraduate and postgraduate students.

Faculty at postgraduate assembly held in GB Pant Hospital in Feb 2018.

Faculty at pilot project ATCOM held in Maulana Azad Medical college for first year undergraduate students.

Dr. Mona Arya

Lecture taken in PG Assembly held by ISA(Delhi) in GB Pant Hospital, Feb. 2018

Lecture taken in ISA North Zone PG Assembly, 2017 held in UCMS , August 2017.

Dr. Kapil Chaudhary, Assistant Professor

Workshop Faculty for workshop on “Mask ventilation and optimization” during 1st Seed workshop to AIRWAY 2018 organised by AMF at LHMC on Sept 2<sup>nd</sup>, 2017.

Workshop Faculty for workshop on “Front of neck access” at National airway Conference 2017 organised by AIDAA at AIIMS, New Delhi, Sept. 2017.

Instructor Faculty at AHA certified BLS & ACLS Course

Coordination Faculty for poster competition at AIRWAY 2018 at Hotel Holiday inn, Aerocity Feb.10th-11th, 2018

Workshop faculty for “Airway Management for Thoracic anaesthesia “ ; workstation Paediatric Lung isolation ; demonstrated Arndt extraluminal; fogarty extra and intraluminal at AIRWAY 2018 at Hotel Holiday inn, Aerocity Feb.10th-11th, 2018

Instructor for the MAMC Surgical skills and life support courses(SSLSC) held in Aug- Sept. 2017

Instructor in the MAMC Post graduate advanced life support courses(PGACLS)- 2017 program, Sept-Nov. 2017.

Speaker faculty at Indian college of Anaesthesiologist Post Graduate Assembly 2018 organised jointly by GIPMER & Maulana Azad Medical college at GIPMER and gave talk on “Anaesthesia for benign hypertrophy of prostate” on Feb. 23<sup>rd</sup>, 2018

Workshop faculty for 2nd Annual Neurocritical Care Update 2018 held at Le Meridien, Gurugram 22-24 March 2018 : workshop on Advanced Airway Management; workstation on supraglottic devices and videolaryngoscope , March 24<sup>th</sup>, 2018).

Dr. Amit Kohli

27th National Conference of Research Society of Anaesthesiology Clinical Pharmacology(RSACPCON )at Kanpur had a guest lecture on anaesthesia for trauma patients, from 14-17th september 2017. Print media interview in national dailies: Hindustan Times and Amar Ujala.

Dr Lalit Gupta

Our experience with Percutaneous Dilatational Tracheostomy: a Retrospective Analysis”. December 2017, Conference: ISACON Haryana.

Lecture on Airway Anatomy, Seed workshop AMF, Sept 2017 ,

Faculty for workshop on Airway Anatomy, Airway 2017, Feb. 2018

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital & MAMC, New Delhi; took Lecture on “Anaesthesia for Renal disease”.

Dr Rahil Singh,

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital & MAMC, New Delhi; took Lecture on “Tracheostomy”.

Dr Sukhyanti Kerai

Participated in a panel discussion on “Management of critically ill patients in the hospital” at Medicine Midterm CME, organised by Department of Medicine, Maulana Azad Medical College, New Delhi , Oct. 29<sup>th</sup>, 2017.

Participated as Faculty in workshop of Percutaneous Dilatational Tracheostomy in Airway Conference 2018.

Participated as faculty in PG Assembly 2018 organised by GB Pant Hospital& MAMC, New Delhi; took Lecture on “ Anaesthesia Breathing Circuits”.

**Faculty strength: 17**

**Other significant contribution**

Dr Sukhyanti Kerai , Dr Kirti N Saxena , Dr Bharti Wadhwa: Received Y.G. Bhoj Raj award for best review article for 2017, Indian Journal of Anesthesia

Dr Neelam Prasad : Selected for best thesis paper at ISA Delhi in April 2017. Represented Delhi for TN JHA award at ISA National conference held in Kolkata in Nov -2017.

Dr Kapil Chaudhary and Dr Lalit Gupta received Certificate of excellence Award for Reviewing for Indian Journal of Clinical Anesthesia for year 2017.

Dr Lalit Gupta : Best Reviewer Award for Indian Journal of Clinical Anesthesia, 2018

Indian College of Anesthesiologist Annual Conference Varanasi October 2017, Second prize in poster presentation: An innovative technique for mask ventilation in edentulous patients’. Dr.Kirti N Saxena, Dr Bharti Wadhwa, DrVineet Manchanda.

Association of Obstetric Anesthetists September 2017: 2nd prize in best paper category: Kumar D,

Wadhawan S, Bhadoria P Kohli A., Panwar V. To compare the efficacy of transversus abdominis plane block with wound site infiltration using 0.25% bupivacaine for postoperative analgesia after caesarean section under spinal anaesthesia.

Indian Society Anesthesiology Conference, Dehradun,Uttarakhand (ISACON-UK 2017) October 2017.

First prize: Kumar A, Narayanan S, Kachru N, Kohli A, Wadhawan S, Bhadoria P. Posterior tracheal wall injury while performing percutaneous dilatational tracheostomy in intensive care unit on a patient with difficult airway.

Second prize: Choudhary N, Patel A, Kohli A, Wadhawan S, Bhadoria P. comparison between lateral interscalene and parascalene approach to continuous brachial plexus block for shoulder surgery 27th National Conference of Research Society of Anaesthesiology Clinical Pharmacology (27th RSACPCON), Kanpur, September 2017.

1st prize in Padmakant Award for best paper in paediatric anaesthesia: Choudhary N, Gutpa R, Bhadoria P, Wadhawan S, KohliA. Evaluation of pediatric I-gel as a conduit for fiberoptic aided intubation.

First prize in Dr. G.K.Sinha young researcher award: Choudhary N, Kohli A, Wadhawan S, Bhadoria P. I-gel as an intubation conduit: comparison of three different types of endotracheal tubes.

Dr. Rakesh kumar

Training center coordinator, mame international training centre

President, airway management foundation

Dr Munisha Agarwal

Member:

Icmr, delhi, project review committee

Reviewer for anesthesia & analgesia journal

Dr Bharti Wadhwa

Joint organizing secretary for post graduate assembly held by Maulana Azad Medical Collge & G B Pant Hospital under ISA Delhi

Faculty advisor dramatics society of mamc

Dr Kapil Chaudhary:

Reviewer of journal of anaesthesia, Indian Journal of Clinical Anaesthesia, Journal of Investigative Surgery

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## BIOCHEMISTRY (LHMC)

### Major Activities and Achievements

The department runs routine and 24x7x365 days emergency clinical laboratory services with state of the art fully automated analyzers as well as hormone lab and Molecular biology lab at SSK Hospital .The KSCH clinical biochemistry laboratory is also being managed by Biochemistry department. Total number of tests conducted in the clinical biochemistry lab was more than 10 lacs this year. There are two funded projects running in the department this year with Principal Investigator Dr Ritu Singh

### Publications

Ahirwar, A. K., Singh, A., Jain, A., Patra, S.K., Goswami, B., Bhatnagar, M. K., & Bhattacharjee, J. (2017). Raised TSH is associated with endothelial dysfunction in Metabolic Syndrome: A case control study. *Romanian Journal of Internal Medicine*, 55(4), 212-221.

Ahirwar, A. K., Singh, A., Jain, A., Patra, S.K., Goswami, B., Bhatnagar, M. K., & Bhattacharjee, J. (2017). Role of Sub Clinical Hypothyroidism in Association with Adiponectin Levels Causing Insulin Resistance in Metabolic Syndrome: A Case Control Study. *The Tokai journal of experimental and clinical medicine*, (42)2, 96-103.

Devi, A., Singh, R., & Tyagi, S. (2017) Serum uric acid and albumin as risk predictors of angiographically proven atherosclerosis. *International journal of recent scientific research*, 1(7), 51-53.

Devi, A., Singh, R., Dawar, R., & Tyagi, S. (2017). Association of Cholesteryl Ester Transfer Protein (CETP) Gene -629C/A Polymorphism with Angiographically Proven Atherosclerosis. *Indian Journal of Clinical Biochemistry*, 32(2), 238-38

Devi, A., Singh, R., & Tyagi, S. (2017). Lecithin Cholesterol Acyltransferase (LCAT) As Biomarkers of Angiographically Proven Atherosclerosis. *International journal of recent scientific research*, 7(6), 12177-79.

Goswami, B., Jain, A., & Koner, B.C. (2017). Evaluation of brainstorming session as a teaching- learning tool among postgraduate medical biochemistry students. *International Journal of Applied and Basic Medical Research*, 7(Suppl 1), S15-S18. [https://doi: 10.4103/ijabmr](https://doi.org/10.4103/ijabmr)

Gogoi, P., Debnath, E., Singh, R., & Jain, A. (2017). Comparative study of conventional teaching methods and case discussions among the First Year MBBS Students. *Astrocyte*, 3, 209-12

Kumar, M., Vajala, R., Sharma, K., Singh, S., Singh, R., Gupta, U., & Bhattacharjee, J. (2017). First-trimester reference centiles of fetal biometry in Indian population. *The Journal of Maternal-Fetal & Neonatal Medicine*, 30 (23), 2804-2811.

Kumar, M., Sharma, K., Singh, S., Singh, R., Singh, A., & Bhattacharjee, J. (2017). Use of first trimester placenta growth factor concentration to predict hypertensive disorders of pregnancy in a low risk Asian population. *International Journal of Gynecology & Obstetrics*, 139 (3), 301-306.

Lal, S., Tripathi, S., Bhattacharjee, J., & Bhatnagar, M.K. (2017) Insulin resistance and markers of Endothelial dysfunction in metabolic syndrome, Delhi, a case control study. *Indian J Basic & Applied Medical Research*, 6, 281-290.

Sahu, B., Abbey, P., Anand, R., Kumar, A., Tomer, S., & Malik, E. (2017). Severity assessment of acute pancreatitis using CT severity index and modified CT severity index: Correlation with clinical outcomes and severity grading as per the Revised Atlanta Classification. *Indian J Radiol Imaging*, 27, 152-60.

Sharma, K., Singh, R., Kumar, M., Gupta, U., Rohil, V., & Bhattacharjee, J. (2018). First-Trimester Inflammatory Markers for Risk Evaluation of Pregnancy Hypertension. *J Obstet Gynaecol India*, 68(1), 27-32.

Tripathi, S., Arora, M., Saini, V., & Jain A. (2017). Vitamin D deficiency in infertility cases, a pilot study in Delhi. *IJBAMR*, 6, 30-135.



Rajdan, V., Singh, R. & Tyagi, S. (2017). Poorly controlled diabetes mellitus type 2 is associated with increased mmp-9 levels and occurrence of myocardial infarction-a pilot study. *Indian Journal of current Medical Research*, 6 (5), 3584-3588

### **Research Projects**

Dr. Ritu Singh

Department of Health Research , Ministry of Health and family welfare, Genomic and Proteomic markers of Myocardial Infarction, 29 lacks , DBT, Study of genetic polymorphisms and gene expressions of Interleukin 6 , Interleukin 10 and Tumor necrosis factor alpha in Type 2 Diabetes mellitus, One lac plus Research associate salary

Dr. Pikee Saxena ,

Deptt of Obstetrics & Gynecology

ICMR funded project (ongoing since 2016), A randomized control trial to compare the efficacy of N Acetyl Cysteine, metformin or placebo therapy on clinical, hormonal, and oxidative stress profile of infertile women with Polycystic Ovary Syndrome along with clomiphene citrate, Approx- 34 lac

### **Seminars Organised**

Dr. Ritu Singh

CME/Symposia on “Preventing Atherosclerosis Nutrition and Lifestyle” at G.B.Pant Hospital , 6th August 2017

Dr Ritu Singh, Dr Preeti Chauhan, Dr Parijat Gogoi

Stress Management Workshop, Student Leadership Mission ( Medical education Unit ) , Swarn Jayanti Auditorium LHMC , September 2017

Dr Smita Tripathi, Dr Parijat Gogoi, Dr Rajeev Goel

Training of Interns on Sample collection and Pre-Analytical errors , Jan 2018

### **Seminar / Conference Presentation**

Dr. Anju Jain, Presenter, ISSRF, International conference at AIIMS , Feb. from 18-20th , 2017

Chairperson, AMBIAMBICON 2017 at Mysore. Nov. 16-19<sup>th</sup>, 2017.

Jayashree Bhattacharjee, Talk: Tumour Necrosis Factor (TNF- $\alpha$ ) promoter region polymorphism (308/A) in metabolic syndrome , ISARCON (Indian Society for Atherosclerosis Research), 30th Annual Conference of Indian Society for Atherosclerosis Research and International Symposium on Prevention & control of Atherosclerosis: Multidisciplinary Approach at AIMMS Patna .Nov. 2017

Dr Ritu Singh, Talk- Genomic and proteomic markers of CAD, 30th Annual Conference of Indian Society for Atherosclerosis Research and International Symposium on Prevention & control of Atherosclerosis: Multidisciplinary Approach at AIMMS Patna, Nov. 2017

Dr. Preeti Chauhan took a session on e-hospital module in CNE on Oct. 11<sup>th</sup>, 2017

Dr. Parijat Gogoi .Poster presentation , ACBI (Dec'2017) Research ethics and good clinical procedures ,(March '2018), BLS Training (24th Feb'2018)

### **Other Inter-Institutional Collaboration**

Dr Ritu Singh : DHR-MoHFW funded project on “Genomic and Proteomic markers of Myocardial Infarction” in collaboration with G.B.Pant Hospital with International Advisor Dr Parthasarathy , University of Central Florida , USA.

### **M.Phil/Ph. D Degrees Awarded**

Supervisor Dr Ritu Singh ; student Dr Karuna Sharma , PhD thesis on “ Evaluation of genetic polymorphism of MMP-9 and first trimester maternal serum levels of biomarker(PAPP-A, HCG,) nitric oxide, endothelin and pro-inflammatory cytokine (TNF- $\alpha$ , INF- $\gamma$ ) for the prediction of preeclampsia.” PhD thesis submitted

### **Faculty Strength: 9**

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## BIOCHEMISTRY (MAMC)

### Honors/Distinctions

Received the prestigious FLEMMING trophy 2016 for best research work from Dean, MAMC in the college Annual Day February 2017.

### Research Projects

UGC Research Project (UGC – Maulana Azad National Fellowship for minorities), entitled “A genetic study to evaluate clinical implication of thrombomodulin and associated proteins in CAD”. Dr. A Saxena

SERB, Department of Science and Technology, Govt of India funded project, entitled “Effect of pesticides on Insulin signalling in L6 myotubes. Dr. BC Koner

Multicentric screening of Breast cancer patients to determine efficiency and to assess sensitivity and accuracy of Pandora CDx mammoalert in screening of breast cancer. Co- Investigator Dr. B. Goswami.

### Short Term Projects

GNCT of Delhi funded project, 2016 -17, entitled “ A study of genetic alterations in breast cancer patients”, Dr. A Saxena

ICMR Research Project (ICMR-SRF), entitled “Molecular mechanism of blast transformation (role of PDGFR) in imatinib treated CML patients”. Dr. A Saxena

ICMR Research Project (ICMR-SRF), entitled “Genetic alterations to understand the biology of epilepsy syndromes.” Dr. A Saxena

Details of thesis completed during current year:

Evaluation of circulating soluble low density lipoprotein receptor related protein 1 (sLRP-1) as marker of coronary artery disease risk. Dr. P. Lali. Co-investigator- Dr. Lal Chandra

Role of endoplasmic reticulum stress in pathogenesis of ovarian cancer. Dr. S. Kaushik. Co- investigator- Dr. Lal Chandra.

Evaluation of subchronic oral and inhalational exposure of transfluthrin on immune response and risk factors associated with coronary artery disease in albino rats. Dr. B.C. Koner. Co- investigator- Dr. A. Saxena.

Evaluation of serum HE-4 and OVX-1 proteins in epithelial ovarian cancer patients. Dr. T. K. Mishra .Co-investigator-Dr. A. Saxena.

Clinico-biochemical study of atopic dermatitis in children. Co- Investigator- Dr. S. Kaushik. Diagnostic utility of neutrophil CD64 and monocyte HLA-DR in neonatal sepsis. Co- Investigator- Dr. S. Kaushik.

Study of bone health in patients of primary ovarian insufficiency. Co- Investigator- Dr. S. Kaushik.

### Publications

Bansal, A., Dahiya, K., Dabla, S., Ghalaut, V. S., Dubey, A., Goel, R., & Singla, N. K. (2017). The effect of phenytoin monotherapy on serum 25-hydroxyvitamin D and bone health markers. A prospective study. *SJAMS*, 5 (8F), 3416-3422.

Bhat, M.A., Guru, S.A., Mir, R., Waza, A.H., Zuberi, M., Sumi, M.P... Saxena, A. (2018). Role of SCN1A and SCN2A Gene Polymorphisms in Epilepsy Syndromes-A Study from India. *J Neurol Neurosci*, 9(1), <https://doi.org/10.21767/2171-6625.1000238>.

Chinya, A., Ratan, S.K., Aggarwal, S.K., Garg, A., & Mishra, T.K. (2017). Association of Levels of Serum Inhibin B and Follicle-stimulating Hormone with Testicular Vascularity, Volume, and Echotexture in Children with Undescended Testes. *J Indian Assoc Pediatr Surg*, 22(1), 3-8.

Gopal, N., Koner, B.C., Bhattacharjee, A., Bhat, V., Murugaiyan, S.B., & Muddegowda, P.H. (2017). Assay of urinary protein carbonyl content can predict the steroid dependence and resistance in children with idiopathic nephrotic syndrome. *Saudi J Kidney Dis Transpl*, 28(2), 268-272.

Goswami, B., Jain, A., & Koner, B.C. (2017). Evaluation of brain storming sessions as teaching learning tool among Post Graduate Biochemistry students. *Int. J. Appl Basic Med Res*, 7 (Suppl 1), S15-S18.

Guru, S.A, Mir, R, Bhat, M, Najar, I, Zuberi, M., Sumi, M., Masroor, M., Gupta, N., & Saxena A. (2017). PDGFRα promoter polymorphisms and expression patterns influence risk of development of imatinib-

induced thrombocytopenia in chronic myeloid leukemia: A study from India. *Tumour Biol*, 39(10), 1177/1010428317713857. [https://doi: 10.1177/1010428317713857](https://doi.org/10.1177/1010428317713857)

Musadiq, A.B., Sameer, A. G., Rashid, M., Ajaz, A.W., Mariyam, Z., Mamta, P.S.... Alpana, S. (2018). Association of GABAA receptor in epilepsy syndromes. *J. Mol. Neurosci*, [https://DOI:10.1007/s12031-018-1081-7](https://doi.org/10.1007/s12031-018-1081-7)

Prasad, J., Goswami, B., Gowda, S.H., Kumar, S., Agarwal, K., Mehra, P.,... Chauhan, A. (2017). Effect of areca nut consumption on Hypoxia inducible factor 1 alpha expression in patients with oral squamous cell carcinoma. *Indian J. Med. Biochem*, 21(2), 81-85.

Prasad, J., Goswami, B., Gowda, S.H., Kumar, S., Agarwal, K., Mehra, P., ... Chauhan, A. (2017). Correlation of Hypoxia inducible factor 1 alpha levels with disease status in oral squamous cell carcinoma. *Int. J. Sci. Res.*, 6(3)52-4.

Verma, M., Dahiya, K., Soni, A., Dhankar, R., Ghalaat, V.S., Bansal, A., & Kaushal, V. (2017). Levels of neutrophil gelatinase-associated lipocalin in patients with head and neck squamous cell carcinoma in Indian population from Haryana state. *World J. of Clinical Oncology*, 8(3), 261

### **Books written/edited/chapters contributed**

Biochemistry for MBBS has been written by Dr S. K. Gupta.

Essentials of Immunology has been written by Dr S. K. Gupta.

Chapter contributed: - Dr Maheswari K - "Frequency distribution of Phenotypes, Alleleic association, heritability and behaviour, hormones in behaviour" in Encyclopedia of Animal Cognition and Behavior.

### **Conferences organised: 2**

A workshop on "Cell culture techniques" was organised by the department on 19th -20th September 2017.

A symposium cum workshop on "Coagulation Disorders and Metabolic targets of anti- platelet therapy : an update" was organised by the department, Nov. 11th 2017.

### **Seminar/conference presentation**

Dr. Neelam received the IFCC- TYFS (task force young scientist award) for her paper "Promoter hypermethylation and expression of CHD-5 gene in pancreatic adenocarcinoma patients" in ACBICON 2017, Supervisor: Dr. T. K. Mishra.

Dr. Sarita presented a poster on " Association of Fetuin A gene polymorphism in patients with Metabolic syndrome" in AMBICON 2017, Supervisor: Dr. P Lali.

Dr. Neelam presented a poster on " Association of CHD-5 gene polymorphism ( 470 C>T) in pancreatic adenocarcinoma patients and pancreatic cancer cell line" in AMBICON 2017, Supervisor: Dr. T. K. Mishra.

Dr. Srinivas H presented a poster on " Characterization of FAT1 oncogenic role in Hypoxia" in AMBICON 2017.

Dr. Srinivas H presented a poster on "Interaction of FAT1, HIF1A and p53 in Glioma progression" in the 2nd Indian Cancer congress, November 2017.

Dr. Srinivas H presented invited talk in 3rd hypoxia meet organised by department of biomedical science, Indian Institute of technology, New Delhi on 29 January 2018 in IIT Delhi.

Dr. B Goswami presented a free oral paper and a poster in AMBICON 2017.

Dr. Aastha, Dr. Reena, Dr. Sarita, Dr. Sitaram presented posters on the symposium cum workshop on " Coagulation Disorders and Metabolic targets of anti- platelet therapy : an update" held in MAMC.

Dr. Anupama received best poster for " Alterations in microRNA-486-5P expression levels in chronic myeloid leukemia patients and its significance with disease progression in 86th conference of Society of Biological chemists organised by School of Life Sciences , JNU, New Delhi. Supervisor: Dr. A. Saxena

Dr. Sarita received 3rd prize for poster presentation in PGIMS Rohtak on "Association of serum Fetuin A levels in patients with Metabolic syndrome" Supervisor: Dr. P Lali.

### **Other significant Information Visitors**

Dr. Debabrata Dash , Professor of Biochemistry, of BHU , Varanasi visited the department and delivered a

talk on “ Novel approach towards anti platelet and anti thrombotic therapy”, Nov. 11<sup>th</sup>, 2017.

Dr. Debdutta Basu , Professor of Pathology, of JIPMER, Puducherry delivered a talk on “Laboratory diagnosis of coagulation disorders”, Nov.11<sup>th</sup>, 2017.

Dr. Deep Dutta , Consultant Endocrinologist, Venkateshwara Hospital Delhi, delivered a talk on “Changes in coagulation pathway in Endocrine disorders” , Nov. 11<sup>th</sup>, 2017

Dr. T.K. Mishra Chaired a scientific session at 25th Annual national conference of AMBI at Mysuru.

Dr. Lal Chandra was a guest Faculty / Resource person for a workshop on Quality management and Evidence based Laboratory Medicine from 25th July to 1st August in Raipur Medical College.

**No.of tests done in Electrochemiluminescence Lab in this period : 73,569 tests**

#### **New Facilities added:**

A highly specialized molecular diagnostic facility for detection of genetic abnormalities in different hematological malignancies and other solid cancers, viz. BCR-ABL translocation, JAK2 mutation, EGFR mutation etc. has been functional in the department. Tests for serum Lipase, ADA, lactate, AMH, NT pro BNP and Pro Calcitonin have been started.

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### **BIOCHEMISTRY (UCMS)**

#### **Major Activities and achievements**

The Department has made significant progress in undergraduate and post graduate training as well as research. Five students were awarded Ph.D and currently there are 12 students registered for Ph.D under various faculty members. Many of Faculty members were invited for presenting research papers at reputed national and international conferences. Many of them are also holding eminent positions in various national and international expert/technical/reviewer committees. Currently there are many ongoing research projects in the Department of Biochemistry. The faculty members have published more than fifteen research articles individually as well as in collaboration with other departments, in peer reviewed International/National journals of high impact factor.

#### **Publications**

Chandra, N., Mehndiratta, M., Tripathi, A. K., Guleria, K., & Banerjee, B. D. (2017). Paraoxonase 1 Gene Polymorphism (rs662) and Increased Risk of Idiopathic Foetal Growth Restriction. *Journal of Clinical & Diagnostic Research*, 11(11), 16-20

Gupta. R., Sharma, S.B, & Singh, U. R. (2017) Salutory effects of Glycine Max seeds on post prandial hyperglycemia and dyslipidemia- evidence from in vivo and in vitro studies. *Altern. Integr. Med*, <https://doi.org/10.4172/2327-5162.1000237>

Jafri, A. A., Sharma, S. B., Luthra, K., Mehndiratta, M., Khurana. N., & Singh, U. R. (2017). Regulation of Gene Expression in Downstream Signaling Molecules by Herbal Compound in Insulin Resistant Diabetic Rats. *Altern Integr Med.*, 6, 3.

Jahid, M., Rehan, U. H, Chawla, D., Avasthi, R., & Ahmed, S. J. (2018). Association of polymorphic variants in il1b gene with secretion of il-1beta protein and inflammatory markers in north Indian rheumatoid arthritis patients *Gene*, 30(641), 63-67.

Jahid, M., Rehan, U. H, Jha, P.K., Chawla, D., Avasthi, R., & Ahmed, R.S. (2017). Tumor necrosis factor- $\alpha$  -308 polymorphism in north indian rheumatoid arthritis patients and association with mrna and serum TNF- $\alpha$  *Clinical Rheumatology*, 36(10), 2209-2216.

Jha, P. K, Jahid, M, Avasthi R, Banerjee BD, & Ahmed RS. (2017). Dyslipidemia in patients with early rheumatoid arthritis and risk of atherosclerosis *Atherosclerosis and Metabolic research*, 1 (1), 14-19.

Kar. R., Chawla, D., Gupta, B., Mehndiratta, M., Wadhwa, N., & Agarwal, R. (2017). Establishment of Primary Cell Culture From Ascitic Fluid and Solid Tumor Obtained From Epithelial Ovarian Carcinoma Patients. *International Journal of Gynecological Cancer*, 27(9), 2000-2005.

Khan, M.A., Subramanayaan, M., Arora, V.K., & Ahmed, R. S. (2017). Suppression of inflammation and cartilage destruction by steroid-rich methanolic extract of *Withania somnifera*: A study on collagen induced arthritic rats. *Journal of Experimental and Applied Animal Sciences*, 2(2), 172-189.

Khurana, N., Sharma, S.B., Jafri, A.A., & Sharma, A.M. (2017). Azaphilones: Their Role in Various Biological Activities. *Asian J Biomed Pharmaceutic Sci.*, 7(60), 34.

Kumari, A., Archana, S., Suman B.S., Vinod, K.A., & Amitesh A. (2017). Dyslipidemia and oxidative stress in patients of psoriasis: Emerging cardiovascular risk factors, 146(6), 708-713.

Nimesh, A., Agarwal, V., Garg, S., & Mehndiratta, M. (2017). Ultraviolet absorption spectral scan and fluorescence emission spectral scan analysis: Potential tests with diagnostic utility in porphyria. *Ind J Med Biochem*, 21(2), 1-6

Nimesh, A., Mehndiratta, M., Agarwal, V., Garg, S., & Kar, R. (2017). Serum absorption spectral scan pattern - an individual's blueprint: its use while authenticating laboratory results. *Int. J. Healthc Biomed Res.*, 6(1), 36-42

Nimesh, A., Mehndiratta, M., Agarwal, V., Garg, S., & Puri, D. (2017). Pre-analytical variables in clinical chemistry: training medical undergraduates through case based discussion. *Int. J. Clin. Biomed Res*, 3(4), 33-8

Nimesh, A., Mehndiratta, M., Garg, S., Kar, R., & Puri, D. (2018). Improving Academic performance of Medical undergraduates: Impediments and solutions. *RUHS journal of Health Sciences*, 3 (1), 11-16

Nimesh, A., Mehndiratta, M., Kar, R., Garg, S., & Puri, D. (2017). Currently practiced assessment methods for medical undergraduates: a time to ponder. *Eur J Pharm Med Res*, 4(9), 657-61

Sharma, D., Garg, S., Mendiratta, M., Madhu, S.V., & Puri, D. (2017). Relationship of Serum Apolipoprotein A-V Levels, Oxidative Stress, and Inflammatory Biomarkers with Hypertriglyceridemia in Type 2 Diabetes Mellitus. *Int. J. Endocrinol Metab*, 15(2), e44805. [https:// doi: 10.5812/ijem.44805](https://doi.org/10.5812/ijem.44805).

## **Journals**

Garg Seema: Member, Editorial Board of International Journal of Clinical and Biomedical Research, Editorial Review Board of Indian Journal of Medical Biochemistry

Mehndiratta Mohit: Zonal representative, Editorial Board of Indian Journal of Medical

## **Seminar/conference presentation**

Dr. Dinesh Puri at AMBICON 2017, 25th Annual Conference of Association of Medical Biochemists of India, Mysuru. India held in 17th – 19th November 2017

Dr S B Sharma: Presidential lecture and chairing of session, ISARCON AIIMS, Patna., Nov, 17

Dr S B Sharma Chairing of session and invited speaker (ACBI, Lucknow), Dec 2017

## **Faculty Strength: 6**

### **Other Significant Information**

Dr. Mohit Mehndiratta:

CME on Clinical lab optimum utilization at Indian habitat centre, New Delhi on 7th May,17

DC-ISAR Symposium on Atherosclerosis:Recent advances and update held in at GB Pant Institute of Postgraduate Med Edu and Research, New Delhi.

On 19th Aug, 2017

CME Quality control I Clinical and Molecular Biology held at Pt BD Sharma PGIMS Rohtak. On 5th Oct, 2017

Multi speciality ADCON 2017, Conference organised by IMA, New Delhi on 25th and 26th Nov 2017

4th Annual Conference of Association of Practicing Pathologists (Pathcon and Lab Expo) held in New Delhi. 16-17th Dec, 2017

Workshop on Sample size estimation in medical Research held and organised by Medical Education Unit of UCMS, Delhi. 20th Mar, 2018

25<sup>th</sup> Annual conference of DDF (DIABCON 2017), “Diabetes-New Horizons, Widening Perspectives”. New Delhi on 22-23rd April 2018.

Dr. Seema Garg: Attended Conferences/seminars/workshops/CMEs

DC-ISAR Symposium on Atherosclerosis:Recent advances and update held in at GB Pant Institute of Postgraduate Med Edu and Research, New Delhi. Aug. 19th, 2017.

CME Quality control I Clinical and Molecular Biology held at Pt BD Sharma PGIMS Rohtak. Oct.5th, 2017.

4th Annual Conference of Association of Practising Pathologists (Pathcon and Lab Expo) held in New Delhi. Dec. 16-17th, 2017.

Workshop on Sample size estimation in medical Research held and organised by Medical Education Unit of UCMS, Delhi. March 20th, 2018.

Dr. Rajarshi Kar: Attended Conferences/seminars/workshops/CMEs

Q:LEAPP program of two weeks culminating with onsite workshop, UCMS, Delhi, Aug. 4<sup>th</sup>, 2017

ISARCON-DC at GB Pant, Aug. 19<sup>th</sup>, 2017

Workshop on Statistics "Sample Size Estimation", UCMS, Delhi March 20<sup>th</sup>, 2018

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## **BIOCHEMISTRY (VPCI)**

### **Honors/Distinctions**

Prof. S.K. Bansal

Nominee of Vice Chancellor, University of Delhi, to represent the University under Statute 30(1)(C) (i) of Statutes of the University on the Advisory Committee of College of Nursing, Army Hospital (R&R) for a period of one year w.e.f. 18.10.2017.

Nominee of Vice Chancellor, University of Delhi, to represent the University under Statute 30(1)(C) (i) of Statutes of the University on the Advisory Committee of Raj Kumari Amrit Kaur College of Nursing for a period of one year w.e.f. 15.11.2017.

Nominee of Vice-Chancellor, University of Delhi, to represent the University under Statute 30(1) (C) (i) of Statutes of the University on the Governing Body of School of Rehabilitation Sciences for a period of one year w.e.f. 23.01.2018.

Elected Secretary General, Biotechnology Society of India, 2017

Vice President - ACBI Delhi Chapter.

### **Publications**

Pandey A, Kulshrestha R, Singh H, Bhardwaj S, Bansal S K. (2017). Role of transforming growth factor and vascular endothelial growth factor and their receptors in the pathogenesis of bleomycin induced lung fibrosis. *JMSCR*, 5: 23684-23691

### **Journals**

Prof. S.K. Bansal, Member, Editorial Board, Open Journal of Respiratory Diseases

### **Research Projects**

Dr S.K. Bansal

DBT-SRF, 18.04.2011 (for five years), Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial Asthma, 17.26 lakh

UGC-SRF, 02.07.2012 (for five years), Role of innate immune response mechanisms in development of bleomycin induced lung fibrosis, 19.00 Lakhs

ICMR-JRF, 28.01.2014 (for five years), A study on CRHR1 and GR gene polymorphism and their correlation with the expression of various inflammatory cytokines in asthma in North Indian, Rs. 21.00 Lakhs

### **Seminar/Conference Presentations**

Prof. S.K. Bansal

Expert/Resource Person, Brainstorming Workshop on Formulating the R&D Strategy on Respiratory Disorders, Central Ayurveda Research Institute for Respiratory Disorders (CARIRD), Patiala, Punjab, 01.04.2017

Chaired students' award presentation, DCISAR, GIPMER, 19.08.2017

Chaired Scientific session with Vice Chancellor of DPSRU Prof. R.K. Goyal, Recent Advances in Nitric Oxide (NO) Research and its Impact on Therapy, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, University of Delhi, Delhi, 06.09.2017

#### **Faculty Strength- One**

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### **BIOCHEMISTRY (CLINICAL BIOCHEMISTRY UNIT)**

#### **Major activities and achievements**

Dr. V. Rohil

Providing Diagnostic services for the patient care, actively involved in Research, Teaching, Supervising M.D. Medical Biochemistry students (Submitted: 1), Ph.D. Medical Biochemistry students (Submitted: 1; Pursuing: 1) and imparted training to students (8) of other prestigious institutes. Diagnostic Services are provided to indoor & outdoor patients, samples analyzed by AU 480 AutoAnalyzer, BECKMAN COULTER and Dirui CS-T240 Biochemistry Analyzer. The total no. of tests from 01.04.17 to 31.03.18 = 43,170. Currently, three projects are on-going, one MRU, ICMR Project, Dr. V. Rohil being the P.I of the Project and 2 at AIIMS, Dr. V. Rohil being the Co-Investigator of both the projects. In MRU (ICMR) Project titled as in 5 (i), the sample preparation for MicroArray Analysis is under process which will be outsourced to a contract research organization.

#### **Honors/Distinctions**

Dr. V. Rohil

Received "Best Teacher Award" by the Grace India Educational Charitable Trust in appreciation and recognition of outstanding contribution and continued dedication to the academic community on 7th Oct. 2017.

#### **Publications**

Aggarwal, T., Wadhwa, R., Rohil, V., & Maurya, P. K. (2018). Biomarkers of oxidative stress and protein-protein interaction in chronic obstructive pulmonary disease. *Arch. Physiol Biochem*, 124(3), 226-231.

Sharma, K., Singh, R., Rohil, V., Kumar, M., Gupta, U., Rahman, M.U., & Bhattacharjee, J. (2017). Role of Metalloproteinases (PAPP-A and MMP-9) in first trimester prediction of pregnancy hypertension. *International Journal of Biomedical and Advance Research*, 8(05), 212-216.

Rohil, V., Vijayan, V.K., Kumar, R., Joshi, R., Pavani, P., Paul, S., Sharma, A., & Rahman, M.U. (2017). Research paper entitled "A study on the correlation of Matrix Metalloproteinase MMP1 in COPD and Smoking in the North Indian Population". *Asian Journal of Medical Sciences (AJMS)*, 8 (1), 5-14.

Rohil, V., Purkayastha, P.K., Sharma, V., & Bhattacharjee, J. (2017). Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation. *Journal of Cancer Science & Therapy*, 9(10). [Suppl.]

Sharma, K., Rohil, V., Singh, R., Kumar, M., Gupta, U., & Bhattacharjee, J. (2017), Research paper entitled, Association of MMP-9 1562 C/T genetic polymorphism and first-trimester MMP-9 serum levels with Pregnancy hypertension. *Biomedicine*, 37(3), 359-364.

Rohil, V., Purkayastha, K., Pavani, P., & Bhattacharjee, J. (2017). The role of Calreticulin Transacetylase Mediated Epigenetic Modulation by Polyphenolic Acetates in Lung Tumor Suppression, *World Cancer Congress-2017* held during 20th to 22nd September, 2017 at Science City Auditorium, Kolkata, West Bengal, India.

#### **Research Projects: Three (3)**

Dr. V. Rohil

MRU (ICMR), Commenced in Sept.2016, To elucidate the role of Ellagic acid and its derivative via CRTAase in the gene expression profile of lung carcinogenesis, Rs 21 lacks approx.

DST 2016-2019, regulation of tet2 protein by erythropoietin (epo) during erythrocyte differentiation in human and to investigate its role in acute myeloid leukemia", Rs 50, 44, 032/-

DST, 2017-2020, identification of novel transcripts and non-coding RNA in fuchs' endothelial corneal dystrophy (fecd)". Amount sanctioned:Rs 71, 91, 072/-

### **Seminar/Conference Presentations**

Dr. Vishwajeet Rohil was invited for an "Invited Scientific Talk" on "The Role of Calreticulin Transacetylase Mediated Epigenetic Modulation by Polyphenolic Acetates in Lung Tumor suppression" in the Conference, "World Cancer Congress-2017", Kolkata scheduled from 20th to 22nd September, 2017 at Science City Auditorium, Kolkata, West Bengal, India.

Oral Presenter of the paper entitled, "Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation" at the Conference, "25th World Congress on Cancer & Science and Therapy" scheduled from 18th to 20th October, 2017 at Baltimore, Maryland, USA. The Presentation was awarded as phenomenal and worthy.

Co-chaired the Session, PSI Orations in "FIPSPHYSICON 2017" held at 1130-1315 h, on DAY 2, Monday, Nov 06, 2017, at HALL 2, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, Delhi University, North Campus, Delhi-110007. Organised by Defence Institute of Physiology & Allied Sciences, DRDO, Delhi, India.

Invited Speaker at "FIPSPHYSICON 2017" and delivered his innovative research work on the topic "Novel epigenetic drugs: Polyphenol acetates, putative second-generation drugs for lung cancer " scheduled in the Session XVI: Biochemistry & Molecular Biology at 1130-1315 h, on DAY 3, Tuesday, Nov. 07, 2017, at HALL 3, Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, Delhi University, North Campus, Delhi-110007. Organised by Defence Institute of Physiology & Allied Sciences, DRDO, Delhi, India

### **Other Inter-Institutional Collaboration**

Dr. V. Rohil

One (Work Completed on 30.11.2016 and final report after statistical analysis compiled and submitted final report on 3/28/17)

Project Title: "To Investigate The Role of Calreticulin Transacetylase Mediated Histones Hyperacetylation Induced Epigenetic Modulation By Polyphenolic Acetates In Genes Implicated In Lung Tumorigenesis" funded by Department of Biotechnology (DBT), Ministry of Science & Technology.

Institutes: Vallabhbbhai Patel Chest Institute, University of Delhi, India

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, India. (Co- Investigator: Prof. Jayashree Bhattacharjee, Director Professor and Principal, VardhmanMahavir Medical College and Safdarjung Hospital, New Delhi.)

### **Number of M.Phil /Ph.D. Degrees Awarded**

One Ph.D. student has submitted her Thesis (Ms. Karuna Sharma), One M.D. student has submitted his Thesis

**Faculty Strength:** One

### **Other Significant Information**

Dr. V. Rohil

Dr. Vishwajeet Rohil has participated and successfully completed the Workshop on "Clinical and Laboratory Medicine Research" held by Moving Academy of Medicine and Biomedicine, Pune in collaboration with ICMR-National AIDS Research Institute, Pune sponsored by DHR, MoHFW, GOI at ICMR-NARI/MAMB, Pune during 28th Aug. to 2nd Sept. 2017.

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## CARDIOLOGY

### (G. B. PANT INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION & RESEARCH)

#### Major Activities and Achievements

Department of Cardiology aims to bring heart care of best standards within reach of every individual. The year 2017-2018 has been an important milestone. Basic research in genetics of hypertension, rheumatic heart disease and ischemic heart disease were published in major peer reviewed International journals. Members from our Department participated in major International and National cardiology conferences as Faculty. We conducted Live cases and Workshop for teaching purposes which were transmitted internationally. New genetic lab was established in 2017 Lab in Department of Cardiology. Research projects on various genetic polymorphisms in Pulmonary Hypertension in Rheumatic Heart disease are being done.

#### Publications

Devi, A., Singh, R., Dawar, R., & Tyagi, S. (2017). Association of Cholesteryl Ester Transfer Protein (CETP) Gene -629C/A Polymorphism with angiographically proven atherosclerosis. *Indian J Clin Biochem*, 32(2), 235-238.

Singh, K., Singh, R., Chandra, S., & Tyagi, S. (2018). Paraoxonase-1 is a better indicator than HDL of Atherosclerosis—A pilot study in North Indian population. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 12(3), 275-278.

Seth, A., Onuma, Y., Costa, R., Chandra, P., Bahl, V. K., Manjunath, C. N., & Kalarickal, M. S. (2017). First-in-human evaluation of a novel poly-L-lactide based sirolimus-eluting bioresorbable vascular scaffold for the treatment of de novo native coronary artery lesions: MeRes-1 trial. *EuroIntervention: journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, 13(4), 415-423.

Guha, S., Sethi, R., Ray, S., Bahl, V. K., Shanmugasundaram, S., Kerkar, P., & Mahajan, A. (2017). Cardiological Society of India: Position statement for the management of ST elevation myocardial infarction in India. *Indian heart journal*, 69, S63-S97.

Yusuf, J., Jothinath, P., Mukhopadhyay, S., Vignesh, V., & Tyagi, S. (2018). Evaluation of serum 25-hydroxyvitamin D levels in calcific rheumatic mitral stenosis—A cross sectional study. *Indian heart journal*, 70(2), 206-213.

Mukhopadhyay, S., Kumar, M., Yusuf, J., Mehta, V., Trehan, V., & Tyagi, S. (2015). Clinical risk factors and angiographic profile of coronary slow flow in North Indian population. *Indian Heart Journal*, 67, S127.

Mehra, P., Mehta, V., Sukhija, R., Sinha, A. K., Gupta, M., Girish, M. P., & Aronow, W. S. (2017). Pulmonary hypertension in left heart disease. *Archives of Medical Science*, 13(1).

Sarkar, P. G., Gupta, M. D., & Girish, M. P. (2017). Amyloidotic pseudo-spectacles. *Postgraduate medical journal*, postgradmedj-2016.

Garg, N., Muduli, S. K., Kapoor, A., Tewari, S., Kumar, S., Khanna, R., & Goel, P. K. (2017). Comparison of different cardiovascular risk score calculators for cardiovascular risk prediction and guideline recommended statin uses. *Indian Heart Journal*, 69(4), 458-463.

#### Books/ Chapters /Contributed

Tyagi, S., & Mittal, A. (2017). Diseases of Pericardium'. API textbook of Medicine 10<sup>th</sup> edition, edited by Dr. Y. P. Munjal. Delhi: Jaypee Brothers Medical.

Tyagi, S., & Bansal, A., Tyagi, D. (2017). Renal artery stenosis: To fix or not to fix in Cardiological Society of India Ed. Hiremath MS

Tyagi, S., & Subhendu, M.S.K. (2017). STEMI management with Aortic Stenosis in book on Acute Myocardial Infarction, Chopra HK, Ed., Mehta S. (pp. 814-817) . Delhi: Jaypee Brothers Medical.

Tyagi, S., & Safal. (2018) Renovascular Hypertension in India in CSI Textbook of Cardiology: The Indian Perspective, Pradip K. Deb. (Ed.), (pp. 665-675). Delhi: Jaypee Brothers Medical.

Bansal, A., & Chaturvedi, V. (2018). Cardio Diabetes and Autonomic Insufficiency. In *State of Art Cardio Diabetes Update: A Textbook of Cardiology*, H. K. Chopra Ed., (pp. 119-125). Delhi: Jaypee Brothers Medical.

## **Journals**

Dr. Vimal Mehta and Dr. Mohit Gupta were selected as Executive Editors of Indian Heart Journal-Clinical Dialogues and – Interventions respectively.

## **Research Projects**

Assessment of aortic stiffness in rheumatic mitral stenosis.

To study predictors and outcomes of No-Reflow/ Slow Flow in patients undergoing primary percutaneous coronary intervention.

Safety and efficacy of very long length Drug Eluting Stent System in patients with coronary artery disease.

Evaluation of ventricular dysfunction in unoperated cases of Tetralogy of Fallot.

Assessment of M30 apoptotic biomarker in patients undergoing primary percutaneous coronary intervention with or without multivessel disease.

Comparison of Doppler echocardiography derived pulmonary artery pressures with invasive pulmonary artery pressures in patients with severe mitral stenosis with pulmonary artery hypertension undergoing percutaneous balloon mitral valvuloplasty.

To study the factors affecting restenosis after angioplasty of arch vessels in patients of Non Specific Aortoarteritis on short term follow up.

Demographic, clinical, angiographic profile and Telomere length in young Indian patients of myocardial infarction among non smokers and non diabetics.

Association of pro-inflammatory cytokines (IL-6, IL-10, IL-18, TNF-alpha) with severe mitral stenosis.

Spectrum of cardiac defects associated with Tetralogy of Fallot and comparison of 2D Echo with cardiac catheterization for diagnosis of these defects.

Correlation of QRS duration with myocardial blush grade as a marker of myocardial reperfusion in patients undergoing primary percutaneous coronary intervention.

Evaluation of cytokines of Th-17 axis vs Th-1 axis in Rheumatic Heart Disease: an observational study.

Correlation of pulmonary venous flow Doppler with pulmonary vascular resistance index in children of ventricular septal defects with pulmonary hypertension undergoing cardiac catheterization.

## **Seminars Organised**

Amerena J, Deakin University, Victoria, Australia delivered a lecture on “Newer anticoagulants in Atrial Fibrillation: Translating trial data into clinical practice”, Feb. 07, 2017.

Kawajiri K, Tottori University School of Medicine, Japan delivered a lecture on “Retrograde approach in CTO”, March 21, 2017.

## **Conferences/ Workshop Organised**

Workshop on “Chronic total Occlusion: Workshop on Retrograde approach in complex chronic total occlusions was conducted along with Dr. Kenji Kawajiri from Tottori University School of Medicine, Japan, March 21-22, 2017.

First Delhi Intervention Council Meet under the auspices of Cardiology Society of India, Delhi Branch, was organised by Dept. of Cardiology, Nov 17, 2017. (Dr. Girish MP- Organizing Secretary and Dr. Mohit Gupta- Scientific Convener)

Six live Cases in India Live-2017 an International Cardiology Conference by National and International experts.

## **Seminars/ Conferences Presentations**

69th Annual Conference of CSI – 2017, Kolkata

Tyagi S, Chaired sessions on Peripheral and structural interventions, Peripheral vascular disease/ Takayasu syndrome, Heart in collateral damage

Tyagi S., Presentation on i) PCSK9 inhibitors as alternative to statins: Are they good enough? ii) Cutting balloon Angioplasty for in-Stent restenosis In Takayasu arteritis, iii) Retrieval of embolized devices, iv) Case presentation on “Plaque modification”.

Mukhopadhyay S., Moderated a E Poster on Circulating Level and Tissue Distribution of Sclerostin in Calcified Mitral Valves of Rheumatic Heart Disease.

Mukhopadhyay S., Moderated a E Poster on Evaluation of Cytokines of Th17 Axis In Patients of Chronic Rheumatic Heart Disease: An Observational Study

Prattay., Moderated a E Poster on Tumour necrosis Factor (TNF)- $\alpha$ -308 Gene Polymorphism in Indian patients with Takayasu’s Arteritis

Sameer, Moderated an E Poster on Demographic, clinical and angiographic profile in young Indian patients of Myocardial Infarction among nonsmokers and non diabetics.

National Intervention Council-2018 International Cardiology Conference, Hyderabad

Tyagi S., Chaired the session on –Path Breaking Technologies for Interventional Cardiology – The Future Beckons

Trehan V., Chaired the session on Complications In Cath Lab Practicals - Apocalypse Now

Trehan V., Cathlab Techniques = Conquering Difficult Situations & Anatomies –Complex PCI reviews eg. Tortuous/Calcified / SVG Interventions

Trehan V., Building the CHIP Heart Team: Institutional and Network strategies for a Successful CHIP Program

India Live-2018 an International Cardiology Conference

Trehan V., BMV- crossing difficult valves and Revascularization in STEMI with cardiogenic shock- CULPRIT Shock and beyond

32<sup>nd</sup> Annual Conference of Cardiological Society of India, Delhi Branch (March 24th-25th, 2018)

Tyagi S., Primary PCI or Phramco-invasive PCI: Which is more relevant for the city of Delhi

Trehan V., Master Talk - CHIP: How to go about it

Mehta V., Can’t judge a book by its cover - Which oil to use for cardiovascular health?

Girih MP., Newer ARBs - Are they any better?

Safal., Salt restriction for Indians: Are you joking?

Bansal A., Rajan Tandon Memorial Quiz

Indian Heart Failure Summit, Delhi (April 21<sup>st</sup>-22<sup>nd</sup>, 2018)

Tyagi S., Acute HF - Guidelines in Daily Practice - Tips and Tricks

Trehan V., Acute HF with Shock - How to Manage?

In addition, the faculties of department of cardiology were invited to give guest lectures in various National conferences of repute.

#### **Other Inter-Institutional Collaboration**

Department has collaborated with Institute of Genomics and Integrative Biology for advanced genetic analysis.

#### **Faculty Strength: 14**

#### **Other Significant Information**

First Transcatheter Aortic Valve Implantation in Government Hospital in Delhi: Transcatheter aortic valve implantation is the minimally invasive mode of treatment for aortic valve disease patients who are at high surgical risk. In Government setup, first ever such case was done by our department led by Dr. Vijay Trehan.

Dr. Sanjay Tyagi and Dr. Vijay Trehan were invited to deliver lecture in International Conferences like NIC-2018, India Live-2018, CSICON-2017.

Dr. Vimal Mehta attended the investigators meet of American College of Cardiology held at Washington USA for the International Fourier Study.

Dr. Mohit Gupta got elected as Joint Secretary of Cardiology Society of India- Delhi Branch. Health Services to the community

Department has particular focused on prevention of heart disease. The faculty of the department is undertaking various public awareness programs on heart disease.

Talk on Nurses day "Easy Life for Busy People", Secrets of healthy and Happy Life.

Talk on "Secrets of Stress management, self-transformation, healthy lifestyle and various life style modifications.

Yoga center of the department helps the cardiac patients in prevention and life style management

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### COMMUNITY MEDICINE (LHMC)

#### Major activities and Achievements

The Department undertakes undergraduate (200) theory and practical teaching of MBBS students from 1<sup>st</sup> to 7<sup>th</sup> Semester. In addition, Post-graduate teaching is imparted for students admitted for MD in Community Medicine (sanctioned strength 8 students per year). The Department also organizes and coordinates Internship of MBBS students with all Departments of LHMC & Associated Hospitals. Orientation training of all PG students is also organised on protocol development and analysis of research projects. The Department has been designated as the Regional Vaccine Store (RVS) for Pulse Polio Abhiyan and participated in all rounds of Pulse Polio Immunization during 2016-17. The department also coordinates surveillance for Vector Borne Diseases and Drinking Water Quality and Rotatory Internship of the institution and associated hospitals. The Department has also carried out assessment of physical and other facilities by MCI in 2017, for the continuation of PG seats and all PG seats are recognized by MCI.

#### Honours/ Distinctions

One scientific paper was awarded best oral presentation in 62nd Indian Public Health Association Conference in 2017.

#### Publications

Arora, S., Rasania, S. K., Bachani, D., Gandhi, A., & Chhabra, S. K. (2017). Respiratory symptoms and their determinants among adult women in an urban slum area of Delhi. *Indian Journal of Community Health*, 29(2), 182-186.

Dahiya, N., Bachani, D., Das, R., Rasania, Kumar, G., Prasuna, J. G., & Seth, G. (2017). Assessment of menstrual hygiene among reproductive age women in South-west Delhi. *Journal of Family Medicine and PrimaryCare*, 6(4), 730–734. *Journal of Tuberculosis, Lung Diseases and HIV/AIDS*, 14(1), 22-26.

Kumar, G., Prasuna, J. G., & Seth, G. (2017). Assessment of menstrual hygiene among reproductive age women in South-west Delhi. *Journal of Family Medicine and PrimaryCare*, 6(4), 730–734.

Bhuvaneswari, N., Prasuna, J. G., Goel, M. K., & Rasania, S. K. (2018). An epidemiological study on home injuries among children of 0–14 years in South Delhi. *Indian journal of public health*, 62(1), 4.

Suri, S., Kumar, D., & Das, R. (2017). Dietary deficiency of vitamin A among rural children: A community-based survey using a food-frequency questionnaire. *The National medical journal of India*, 30(2), 61.

Mathur, M., & Das, R. (2017). Common gynecological morbidities among married women in a resettlement colony of East Delhi. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 6(12), 5330-5335.

Acharya, A. S., Kaur, R., & Goel, A. D. (2017). Neglected tropical diseases—Challenges and opportunities in India. *Indian Journal of Medical Specialities*.

Ganesan, S., Acharya, A. S., Chauhan, R., & Acharya, S. (2017). Prevalence and risk factors for low back pain in 1,355 young adults: a cross-sectional study. *Asian spine journal*, 11(4), 610-617.

Acharya, S., Adsul, N., Palukuri, N., Acharya, A. S., Shanmugapriya, S., Bhuvaneswari, K. ... Deori, P. (2017). *Indian Journal of Medical Specialities*, 8(4), 169-174.

Singh, A., Acharya, A. S., & Dhiman, B. (2018). Awareness regarding diabetes and its complications in adults: A cross-sectional study in an urban resettlement colony of east Delhi. *Indian Journal of Medical Specialities*, 9(1), 3-6.

Thakur, A., Ray, T. K., & Goel, M. K. (2017). Expenditure pattern on diabetes care: A Community based longitudinal study in resettlement colony of East Delhi. *Indian Journal of Community Health*, 29(2), 209-212.

Ray, T. K., & Bhatt, A. (2017). Burden of Chronic Suppurative Otitis Media in Children of an Underprivileged Community of Delhi. *The Indian Practitioner*, 70(11), 36-41.

Singh, S., & Ray, T. K. (2017). Maternal Risk Factors of Gestational Diabetes Mellitus a Case Control Study in a Tertiary Care Setting of Delhi. *The Indian Practitioner*, 70(12), 21-26.

Singh, S., Ray, T. K., & Kumar, S. (2017). A study of modifiable risk factors of GDM in Delhi. *The Journal of Community Health Management*, 4(4), 153-155.

Singh, T., Nagesh, S., & Ray, T. K. (2018). Magnitude and Correlates of Anemia in Elderly Women of a Resettlement Colony of Delhi. *Journal of mid-life health*, 9(1), 21.

### **Research Projects**

Health Accounting Scheme: Empowering people for health care through multi-sector coordination- An Operational Evaluation ICMR Approx 30 lakh (under process)

Screening of health care staff of LHMC and associated hospitals for major NCDs

### **Seminar Organised**

Induction workshop for undergraduates' admission year 2017 on 10 August 2017

Orientation training of Sulabh workers for dengue control.

Orientation for Internship Training Program December 2017

World AIDS Day celebration at KHC, Department of Community Medicine on 1<sup>st</sup> Dec 2017

Hands on Training for "Statistical Analysis" for 2<sup>nd</sup> year PGs of LHMC & Assoc. Hospitals Workshop on Data Management & Statistical Analysis for PGs/SRs of Community Medicine

**Faculty Strength:** Eight (8)

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## **COMMUNITY MEDICINE (MAMC)**

### **Major Activities and Achievements**

Department has organised 16 training programmes/ workshop during the period in addition to routine MBBS, MD, Ph.D training programmes. Eight MD theses completed, one Ph.D awarded, two ICMR studentship projects completed. Eleven projects funded by ICMR / MAMC/ are currently being carried out in the department. 32 publications and 2 books/chapters were contributed by Faculties in the department. Faculties attended several conferences/workshops/seminars as Chairperson, invited speaker, or presented papers. Department provided OPD services in four health centres, immunized children and provided contraceptives to women and organised several health talks, skits, plays in the community.

### **Honours/Distinctions**

Garg S., Nominated for Dr. K.N. Rao Memorial Oration in 62<sup>nd</sup> Annual National Conference of IPHA at King's George Medical University (K.G.M.U.), Lucknow, Uttar-Pradesh.

Sharma P., Member of the team in conducting Common Review Mission (CRM) for Delhi in 2015 as under National Health Mission Division, Ministry of Health and Family Welfare. The team was declared to be awarded first prize in 2017 for best performance at the National level. The award ceremony scheduled in Feb 2018.

Garg S., Nominated as Expert for review of WHO Resource Material at WHO Head Quarters Geneva

Garg S., Invited as Expert for Stake Holders Meeting on Prevention and Control of Deafness at WHO Head Quarters Geneva

Garg S., Nominated as National Resource Faculty for Maternal Death Surveillance and Response, an initiative by WHO, UNICEF, NHSRC, & MOHFW GOI

Sharma N., Chairperson of State task force on implementation of Revised National TB program in Medical Colleges of Delhi, received the award for best performing state in ZTF meeting at Shimla in Feb 2017

## Publications

Anand, T., Sharma, N., Chandra, S., Ingle, G. K., & Grover, S. (2017). Decadal impact of Directly Observed Treatment Short course program on age and gender among New Infectious Tuberculosis cases in Delhi. *Indian Journal of Tuberculosis*, 64(4), 291-295.

Banerjee, R., & Banerjee, B. (2017). Computer Vision Syndrome among Medical and Engineering Professionals of India: *International Journal of Current Research*, 9(7), 54731-4.

Banerjee, B., & Banerjee, R. (2017). Role of Yoga and Meditation in Prevention of Obesity: *International Journal of Advanced Research*, 5(8), 337-347.

Barzegar, N., Niknami, M., Mirhadian, L., Kazem Nejad Leili, E., Pakseresht, S., M Meghachandra Singh, M. (2017). Lifestyle and Factors Associated with the Elderly People Referred to the Pension Fund. *Journal of Holistic Nursing and Midwifery*, 27(2), 1-8.

Basu, S., & Garg, S. (2017). Methods of estimating medication adherence to anti-retroviral therapy: *Journal of Family Medicine and Primary Care*, 6(1), 171-172.

Basu, S., & Garg, S. (2017). The barriers and challenges toward addressing the social and cultural factors influencing diabetes self-management in Indian populations. *Journal of Social Health and Diabetes*, 5(2), 71.

Basu, S., Khobragade, M., Raut, D. K., & Garg, S. (2017). Knowledge of diabetes among diabetic patients in government hospitals of Delhi. *International Journal of Noncommunicable Diseases*, 2(1), 8.

Garg, S., Basu, S., & Dahiya, N. (2017). A review of current strategy for rabies prevention and control in the developing world. *Indian Journal of Community Health*, 29(1), 10-16.

Garg, K., Tripathi, T., Rai, P., Sharma, N., & Kanase, A. (2017). Prospective Evaluation of Psychosocial Impact after One Year of Orthodontic Treatment Using PIDAQ Adapted for Indian Population. *Journal of clinical and diagnostic research: JCDR*, 11(8), ZC44.

Goel, P., Kumar, R., Meena, G.S., Singh, T., & Garg, S. (2017). A community based cross sectional study on menstrual hygiene among 18-45 years age women in a rural area of Delhi: *International Journal of Biomedical Research*, 8(06), 302-308.

Goel, P., Kumar, R., Meena, G.S., Singh, T., & Garg, S. (2017). Community based cross sectional study on menstrual hygiene among 18-45 years age women in a rural area of Delhi. *International Journal of Biomedical Research*, 8(06), 302-308.

Garg, S., Basu, S., & Dahiya, N. (2017). International Health Regulations: Is India prepared after 10 yrs. Of Implementation: *Indian Journal of Communicable Disease*, 3(1).

Garg, S., & Basu, S. (2017) Prioritizing Pneumococcal Vaccine Introduction in the Developing World: The Indian Experience. *Indian Journal of Communicable Diseases*, 3(2), 81.

Garg, S., Chakravarti, A., Singh, R., Masthi, N. R., Goyal, R. C., Jammy, G. R., ... Moureau, A. (2017). Dengue serotype-specific seroprevalence among 5-to 10-year-old children in India: a community-based cross-sectional study. *International Journal of Infectious Diseases*, 54, 25-30.

Kohli, C., Gupta, K., Banerjee, B., & Ingle, G. K. (2017). Social Security Measures for Elderly Population in Delhi, India: Awareness, Utilization, and Barriers. *Journal of clinical and diagnostic research: JCDR*, 11(5), LC10.

Kumar, A., Banerjee, B., Gupta, P.K., Parashar, S., Singh, D., & Ujjainia, V. (2017). Burden of insomnia and its association with co-morbidities among geriatric patients at a secondary care rural hospital in Delhi: *European Journal of Biomedical and Pharmaceutical Sciences*, 4(12), 608-611.

Meena, J. K., Verma, A., & Kumar, R. (2017). Evaluation of Integrated Childhood Development Services (ICDS) program implementation in an urban slum of Delhi, India. *International Journal of Research in Medical Sciences*, 5(8), 3443-3447.

Pangtey, R., Meena, G.S., Banerjee, B., & Gupta, P. K. (2017). Prevalence of Behavioural Risk Factors of Chronic Non Communicable Diseases in an Urban Area of Delhi: *International Journal of Scientific Research*, 6(7), 37-39.

Rathi, A., Sharma, P., & Garg, S. (2017). Parent's Knowledge and Attitude towards the newly introduced IPV vaccine in capital region of India: *Indian Journal of Applied Research*, 7 (5), 79-96.

Sharma, S., Kohli, C., Sharma, N., & Mehra, D. (2016). Incomplete Immunization Coverage in Delhi: Reasons and Solutions. *Primary Health Care*, 6(240), 2167-1079.

Sharma, N., Dhaked, S., Vankhuma, C., Kohli, C., Anand, T., & Singh, M. M. (2017). Smoke free Delhi: Status of Implementation of anti-smoking legislation and its perception in Educational Institutions: *MAMC J Med Sci*, 3(1), 22-27.

Sharma, N., Anand, T., Grover, S., Kumar, A., Singh, M. M., & Ingle, G. K. (2017). Awareness about anti-smoking related laws and legislation among general population in slums of Delhi, India. *Nicotine and Tobacco Research*, 20(5), 643-648.

Sharma, N., Chandra, S., Dhuria, M., Kohli, C., Chopra, K. K., Aggarwal, N., & Sachdeva, K. (2017). Meso level multi-disciplinary approach for reduction of pre-treatment loss to follow-up in Revised National Tuberculosis Control Program, Delhi, India. *Indian Journal of Tuberculosis*, 64(4), 281-290.

Sharma, D., Kishore, J., Sharma, N., & Duggal, M. (2017). Aggression in schools: cyberbullying and gender issues. *Asian journal of psychiatry*, 29, 142-145.

Sharma, S., Anand, T., & Sharma, N. (2017). Exploring determinants of birth weight of the baby delivered in a tertiary hospital of Delhi. *Indian Journal of Child Health*, 4(3), 394-398.

Sharma, S., Mehra, D., Kohli, C., & Singh, M. M. (2017). Menstrual hygiene practices among adolescent girls in a resettlement colony of Delhi: a cross-sectional study. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 6(5), 1945-1951.

Sharma, N., Dhaked, S., Vankhuma, C., Anand, T., Kohli, C., & Singh, M. M. (2017). Status of Implementation and Opinion of Stakeholders about Antismoking Legislation in Educational Institutions of Delhi. *MAMC Journal of Medical Sciences*, 3(1), 22.

Sharma, M., Banerjee, B., Ingle, G. K., & Garg, S. (2017). Effect of mHealth on modifying behavioural risk-factors of non-communicable diseases in an adult, rural population in Delhi, India. *mHealth*, 3.

Singh, M. M., & Devi, R. (2017). Time to rethink the syndromic approach to sexually transmitted infections. *Bmj*, 358, j3789.

Singh, M. M., & Devi, R. (2017). The limitations of humanising healthcare. *BMJ: British Medical Journal (Online)*, 357.

Tomar, A., Banerjee, B., & Ingle, G.K. (2017). Association of Duration of Digital Device Use with Commonly Reported Physical Health Symptoms among Medical Undergraduates: *International Journal of Public Health and Safety*, 2(1):121.

Tomar, A., Banerjee, B., & Ingle, G. K. (2017). Being "Online": Effects of Self-Reported Duration of Internet Use on Psychosocial Health of the Users: *Global Journal for Research Analysis*, 6(9), 514-516.

### **Books/ Chapters contributed**

Garg, S., Banerjee, B., Meena, G.S., Sharma, N., Singh, M.M., & Archana, R. (Eds). (2017). *Lung Function Status of Adults in Delhi*. Delhi: Century Publications.

Banerjee, B. (2017). *DK Taneja's Health Policies and Programmes in India*, 15<sup>th</sup>ed. Delhi: Jaypee Brothers Medical.

### **Research Projects**

Completed: Ear and Hearing Care Survey Using WHO Protocol in India. (Supported by WHO)

On-going projects

The Knowledge and Practice of oral Health care among Diabetes patients in the out-patient setting of a tertiary care hospital in Delhi. Funding Agency: MAMC

Knowledge and Practices related to risks associated with use of Personal audio devices among medical students in Delhi. Funding Agency: MAMC

A prospective study of magnitude of domestic violence in pregnancy, it's associated factors, related maternal health and birth outcomes in Delhi Funding Agency: ICMR

MDR TB Trends in Case Finding and Treatment Outcomes in Delhi, Funding Agency: RNTCP, Delhi

TB Intervention Targeting Mobile Population" (Truck Drivers and Helpers) Funding Agency: RNTCP, Delhi

Partnership in TB Control Through Involvement of Pharmacists in Delhi Funding Agency: RNTCP, Delhi

Acceptability and Feasibility of Gastrointestinal Drug Delivery Device for Tuberculosis Treatment. Funding Agency: TATA

Study assessing barriers to health care seeking in childhood illnesses in Delhi Funding Agency: ICMR

Prevalence of Vitamin D deficiency and insulin resistance among type II diabetes patients attending a tertiary hospital in Delhi. Funding Agency: MAMC Research Society

Efficiency of Child-To-Child Approach in Preventing Childhood injuries and their Consequence., Funding Agency: ICMR

### **Seminar / Workshops organised**

Garg S., Organised training on Diabetes for Doctors and Medical Officers and Para Medical staff ( March 2017).

Garg S., Organised International Ear & hearing Care Day at Ministry of Health & family welfare GOI (March 3, 2017).

Garg S., Organised training on "Support for Monitoring activities from PSM Deptt. Of Medical Colleges in view of Intensified Mission Indradhanush campaign. (Sep. 25' 2017).

Garg S., Organised Workshop on Maternal Death Surveillance Response and Maternal Near Miss Review (MDSR) ( Dec. 20-21, 2017).

Sharma N., State Task Force at AIIMS, Delhi on 10<sup>th</sup> Feb 2017 and State Task Force at MAMC, Delhi , Aug 9, 2017.

Sharma N., CME on "Newer Initiatives in Revised National Tuberculosis Control Program in India" on 23<sup>rd</sup> March 2017 in MAMC.

Singh MM., Organised three workshops on "Skill Workshop on Breast Awareness" the Department of Community Medicine, MAMC on 7<sup>th</sup>, 16<sup>th</sup> and 17<sup>th</sup> March 2017 for nurses, interns, and doctors.

Banerjee B., Conducted "Training Workshop for Doctors on Preparing Action Plan to Scale up Diabetes Care at Health Centres under the Department of Community Medicine".

Banerjee B., Conducted "Training of Interns on Research Methodology for Public Health".

Sharma P., Training Programme for residents on Cold Chain Management for Residents and paramedical staff in the department.

Sharma P., Training Programme on Implementation of Mission Indradhanush (MIK) in the state of Delhi in coordination with Directorate of Family Welfare(DFW).

Sharma P., Training Programme on Implementation of Maternal Death Surveillance and Response and Near Miss Review(MDSR)in the state of Delhi in coordination with Directorate of Family Welfare(DFW), Dec. 20-21, 2017.

### **Seminar/Conference presentations**

Garg S., Oral presentation at IPHACON—2017, Jodhpur Titled "Magnitude and correlates of gender based violence among attendees of a tertiary care teaching hospital in Delhi".

Garg S., Oral Presentation at IPHACON-2017, Jodhpur Titled "Knowledge related to Gender based violence and attitudes towards gender stereotypes among antenatal clinic of a tertiary care teaching hospital in Delhi".

Garg S., Oral Presentation at International conference on Youth and Adolescent 2017 (ICYAH 2017) An epidemiological study on burden and associated factors of gender based violence among female youth in Delhi.

Garg S., Study on Prevalence and Risk factors of Domestic violence among pregnant in a tertiary care centre in Delhi " Presented in National conference on " Developing Quality Essential Health care Services : Opportunities & Challenges in Achieve SOG's . at Family welfare Training & research Centre Mumbai, May 5-6, 2017.



### **Invited talks in International conferences**

Garg S, Agarwal A, Mangla V. Case Study on Ear and Hearing Care Strategy of India. Presented in ENT Conference, Yangon, Myanmar, Jan 12-13, 2017.

Garg S, Mangla V. Ear and Hearing Care Situational Analysis Tool (EHCSAT). Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Garg S, Mangla V. Otitis Media: Important Cause of Public Health Concern. Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Shrivastav R, Garg S, Mangla V. Need for Ear and Hearing Care Strategy in Nepal. Presented in ENT Conference, Yangon, Myanmar, Jan. 12-13, 2017.

Singh MM, Hitakshi, Garg S, Kumar R, Sharma N, Devi R, Ingle GK. Healthcare facility preparedness regarding Gender Based Violence in Delhi. Presented in World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6<sup>th</sup> November 2017.

Singh MM, Garg S, Kumar R, Devi R, Sharma N, Anand T. Healthcare Facility Preparedness regarding Gender Based Violence in Delhi: Stakeholders' Perspective. Presented in World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6<sup>th</sup> November 2017.

Singh MM., Chaired two scientific sessions during World Congress on Non Communicable Diseases, PGI, Chandigarh, 4-6<sup>th</sup> November 2017.

Singh MM, Hitakshi, Suneela Garg, Rajesh Kumar, Nandini Sharma, Tanu Anand, G K Ingle. Perceived self efficacy and barriers in the provision of care for gender based violence victims among healthcare providers in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6<sup>th</sup> May 2017.

Singh MM., Presented a topic "Epidemiology of breast cancer" during three workshops on "Skill Workshop on Breast Awareness" as Resource Person held in the Department of Community Medicine, MAMC on 7<sup>th</sup>, 16<sup>th</sup> and 17<sup>th</sup> March 2017 for nurses, interns, and doctors.

Goel P, Dahiya N, Basu S, Garg S, Singh MM. Predictors of self-breast examination among women residing in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6<sup>th</sup> May 2017.

Mariam W, Garg S, Singh MM, Sharma N. Study on prevalence and risk factors of domestic violence among pregnant women in a tertiary care center in Delhi. Presented in Conference on Developing Quality Essential Health Care Services Opportunities and Challenges to achieve SDGs, Mumbai, 5-6<sup>th</sup> May 2017.

Basu S, Garg S, Singh MM, Kohli C. Personal audio devices use patterns associated with risks of hearing loss and compromised road safety among medical students in Delhi. Presented in ICBEN 2017 Noise as a public health problem, Zurich, Switzerland, 18-22<sup>nd</sup> June 2017.

Mangla V, Singh M, Garg S. Presented e-poster titled "Adherence to Treatment in Type 2 Diabetes Mellitus Patients Attending a Tertiary Care Hospital of Delhi" in NZIAPSM held at PGI Chandigarh on 3<sup>rd</sup> Nov 2017.

Banerjee B., Presented as resource person at a scientific session on "Reproductive Health" at the 43<sup>rd</sup> Annual National Conference of Indian Public Health Association at Dehradun, UP.

Banerjee B., Co-Author for oral presentation on "Assessment of mental health literacy in school-going adolescents" presented by Dr. Malvika Sharma at 2<sup>nd</sup> International Conference on Public Health, Colombo, Sri Lanka, 28-29<sup>th</sup> July 2016.

### **Students under Exchange Programme: 2**

#### **Extension and outreach activities:**

Department provides primary health care in four centres: Gokulpuri, Barwala, Delhi Gate and BVK, New Delhi.

#### **Number of M.Phil./Ph.D. Degrees awarded: Ph.D.: 1**

#### **Faculty strength: 10**

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## DERMATOLOGY & STD (LHMC)

### Honours/ Distinctions

Mendiratta V received, 'Best teacher award' in Dermacon 2017, Kolkata.

### Publications

Chander, R., Garg, T., Sanke, S., Agarwal, K., & Chhikara, A. (2017). Multiple asymptomatic hard papules on cheeks in an elderly woman. *Indian journal of dermatology, venereology and leprology*, 83(4).

Garg, T., Sanke, S., Chander, R., Agarwal, M., Agarwal, K., & Kumar, A. (2017). A case of dermatomyositis with underlying unusual malignancy. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(4), 473.

Garg, T., Agarwal, S., Rana, S., & Chander, R. (2017). Patch testing in patients with suspected footwear dermatitis: A retrospective study. *Indian dermatology online journal*, 8(5), 323.

Garg, T., Marak, A., Ahmed, R., Chander, R., & Jain, M. (2017). An unusual presentation of primary cutaneous amyloidosis. *Dermatology online journal*, 23(8).

Garg, T., & Sanke, S. (2017). Inflammatory dermatoses in human immunodeficiency virus. *Indian Journal of Sexually Transmitted Diseases and AIDS*, 38(2), 113.

Kumar, A., Mendiratta, V., Agarwal, S., Chander, R., & Sanke, S. (2018). Childhood lichen planus: A series of 42 patients. *Indian Journal of Paediatric Dermatology*, 19(2), 116.

Mendiratta, V., Sanke, S., & Ramchander, A. N. (2017). Granulocytic spongiotic papulovesiculosis (neutrophilic spongiosis): A rare entity. *Indian journal of dermatology*, 62(1), 88.

Sanke, S., Mendiratta, V., Singh, A., & Chander, R. (2017). Keratosis follicularis spinulosa decalvans with associated mental retardation: response to isotretinoin. *International journal of trichology*, 9(3).

Sanke, S., Yadav, P., Chander, R., & Chandra, J. (2017). Acute methotrexate toxicity presenting with bullous lesions: an unusual presentation. *European journal of clinical pharmacology*, 73(4), 515.

Kumar, A. (2017). Familial clustering of severe atypical variants of erythema nodosum leprosum in immunocompetent siblings. *Lepr Rev*, 88, 568-573.

Rana, S., Mendiratta, V., & Chander, R. (2017). Efficacy of microneedling with 70% glycolic acid peel vs microneedling alone in treatment of atrophic acne scars—A randomized controlled trial. *Journal of cosmetic dermatology*, 16(4), 454-459.

Yadav A, Garg T, Mandal AK, Chander R., & Yadav A. (2017) Pigmented Contact Dermatitis to Nickel: Should we Suspect this Entity. *J Derma Pigm Res*, 1(1):103.

Yadav, A., Garg, T., Mandal, A. K., Chander, R., & Yadav, A. (2017). Immunofluorescence and immunohistochemistry in macular amyloidosis: An observational study. *Indian dermatology online journal*, 8(6), 499.

### Conferences organised

2<sup>nd</sup> Geriatricon, Lady Hardinge Medical College, Organiser IADVL-DSB, May 14, 2017

Monthly Clinical Meet of IADVL held in LHMC, Organiser IADVL-DSB, on Oct. 28<sup>th</sup> 2017

### Conference presentations

Dr Ram Chander & Dr Taru Garg: chaired session Speaker/Suppressive treatment for HSV 2 infection: various scenarios. Panellist/STIs and HIV in Dermacon, Kolkata, Jan. 12th-16th, 2017.

Dr Ram Chander: Faculty and chaired the session in Annual National Leprosy conference, Aerocity Delhi in Dec. 2017.

Dr Ram Chander, Dr Taru Garg, Dr Vibhu Mendiratta: as Panelist / Management of recalcitrant conditions in Dermatology- an evidence based approach (Hidradenitis suppurativa) in Mid-year Cuticon, May 28<sup>th</sup> 2017.

Dr Taru Garg: Panelist/ Acne myths and Facts, in 2<sup>nd</sup> Acne summit at Sir Gangaram hospital on 19.02.2017, Panelist/ management of vitiligo in elderly in SIG Geriatric Dermatology, LHMC, 14.05.2017, Panelist /Approach to Facial 'Confusing Lumps' in DAAS Summit, at Hotel Eros, Nehru Place, June 30th to 2nd July, 2017.

Dr Taru Garg Speaker/ An approach to Genodermatoses in 3rd PGCON North zone, at GTB hospital, Sept. 9-10<sup>th</sup>, 2017.

Dr Taru Garg Speaker/ Relapse, reinfection and resistance in leprosy, National Leprosy conference, hotel holiday inn, Aerocity Delhi in Dec. 2017.

Dr Taru Garg Speaker/ cutaneous manifestations of Chikungunya at Academic meet, at L.H.M.C., Nov. 22nd 2017.

**Faculty strength: 5**

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## **DERMATOLOGY, VENEREOLOGY, LEPROLOGY (MAMC)**

### **Major activities and achievements**

Three theses were completed during the year including “Clinical profile and serum homocysteine, vitamin B12 levels and MTHFR gene polymorphism in Vitiligo”, “Clinico-histopathological and immunological study in Alopecia Areata” and “Study of clinical profile and contact sensitivity to cosmetic allergens in melasma”.

### **Honour and Distinction**

Sahoo B., Nominated for Maibach Award for the American Contact Dermatitis Society at the 29th Annual Meeting of the American Contact Dermatitis Society, San Diego, California, USA, February 2018 for the research titled “The contact sensitivity pattern and MED in hair dye dermatitis associated with photosensitivity”.

Choubey V. Awarded Prof. V. N. Sehgal award for excellence in MD (Dermatology including Leprosy & STD)

Sarkar R., Elected as the President of IADVL- Delhi State Branch for the year 2018 and Vice President of International Society of Dermatology.

Sarkar R., Convener- IADVL, International Liaison committee and Chairperson of International & National committee, Skin of Color Society.

Barman KD., Honorary Secretary of IADVL- Delhi State Branch for the year 2018.

Relhan V., Elected as Vice President of Geriatric and Aesthetic Dermatology Society.

### **Publications**

Choubey, V., Sarkar, R., Garg, V., Kaushik, S., Ghunawat, S., & Sonthalia, S. (2017). Role of oxidative stress in melasma: a prospective study on serum and blood markers of oxidative stress in melasma patients. *International Journal of Dermatology*, 56(9), 939-943.

Chugh, S., Garg, V. K., Sarkar, R., & Sardana, K. (2017). Clinico-Epidemiological Profile of Viral Sexually Transmitted Infections in Seropositive Patients Attending a Tertiary Care Hospital in North India. *Journal of the International Association of Providers of AIDS Care (JIAPAC)*, 16(4), 331-337.

Mahajan, K., Relhan, V., Relhan, A. K., & Garg, V. K. (2016). Pityriasis rosea: An update on etiopathogenesis and management of difficult aspects. *Indian journal of dermatology*, 61(4), 375.

Relhan, V., Mahajan, K., Agarwal, P., & Garg, V. K. (2017). Mycetoma: an update. *Indian journal of dermatology*, 62(4), 332.

Relhan V, Ghunawat S, Tenani A, Mittal S, Garg VK. (2017) Trends in Profile of Leprosy Cases Reporting to a Tertiary Care Centre in Delhi during 2006-2015. *Indian J Leprosy*, 88, 217-225

Relhan, V., Mittal, S., Mahajan, K., & Garg, V. K. (2017). Goldenhar syndrome with rare clinical features. *Indian Journal of Paediatric Dermatology*, 18(4), 317.

Sarma Sarma, N., Chakraborty, S., Poojary, S. A., Rathi, S., Kumaran, S., Nirmal, B., ... Donthula, N. (2017). Evidence-based review, grade of recommendation, and suggested treatment recommendations for melasma. *Indian dermatology online journal*, 8(6), 406.

Sarkar Sarkar, R., Aurangabadkar, S., Salim, T., Das, A., Shah, S., Majid, I., ... Arya, L. (2017). Lasers in melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 585.

Sarkar Sarkar, R., Parmar, N. V., & Kapoor, S. (2017). Treatment of postinflammatory hyperpigmentation with a combination of glycolic acid peels and a topical regimen in dark-skinned patients: a comparative study. *Dermatologic Surgery*, 43(4), 566-573.

Sarkar, R., & Ailawadi, P. (2017). Treatment of melasma: The journey ahead. *Indian Journal of Dermatology*, 62(6), 555.

Sarkar, R., Gokhale, N., Godse, K., Ailawadi, P., Arya, L., Sarma, N., ... Ravichandran, G. (2017). Medical management of melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 558.

Sarkar, R., Arsiwala, S., Dubey, N., Sonthalia, S., Das, A., Arya, L., ... Godse, K. (2017). Chemical peels in melasma: A review with consensus recommendations by Indian pigmentary expert group. *Indian journal of dermatology*, 62(6), 578.

Sarkar, R., Podder, I., Gokhale, N., Jagadeesan, S., & Garg, V. K. (2017). Use of vegetable oils in dermatology: an overview. *International journal of dermatology*, 56(11), 1080-1086.

Sonthalia, S., Relhan, V., & Garg, V. K. (2016). Erythromelanosis follicularis faciei et. colli. *Archives of disease in childhood, archdischild*.

### **Journals**

Sarkar R., Editor in chief, "Pigment International".

Sarkar R. Associate Editor, "Journal of Cosmetic Dermatology".

Sarkar R., Section Editor, "IJDVL".

Sarkar R., Member, Editorial Board, Indian Journal of Dermatology, Indian Journal of Paediatric Dermatology, Indian Journal of STD & AIDS, Journal of Clinical & Aesthetic Dermatology, Dermatological Therapy

Barman KD., reviewed a textbook "Essentials of Dermatology and Sexually Transmitted Disease: An illustrated Synopsis "in April 2017

### **Research Projects**

Ongoing projects:

A randomized comparative study of conventional versus modified technique of autologous non cultured melanocyte transfer.

To evaluate the role of patch testing in cutaneous adverse drug reaction.

Trichloroacetic acid peels versus salicylic acid peels in active acne vulgaris and post-acne hyperpigmentation: A comparative study

A study of clinical pattern and antifungal susceptibility to azoles and allylamines in dermatophytic infections

Clinic-biochemical study of Atopic dermatitis in children

Contact sensitivity pattern in Lichen planus pigmentosus and pigmented contact dermatitis

Clinical profile and contact sensitivity in patients with allergic contact dermatitis to cosmetics.

A comparative study of microneedling alone versus along with platelet rich plasma in acne scars.

Comparative efficacy of platelet rich plasma with intralesional triamcinolone in patchy alopecia areata of the scalp.

To compare the efficacy of cyanoacrylate tissue adhesive, conventional interrupted skin suture and staple for head and neck incisions: a randomized prospective study, in association with Maulana Azad Institute of Dental Sciences.

To compare the efficacy of intralesional bleomycin with intralesional triamcinolone acetonide in the treatment of hypertrophic scars and keloids, in association with Department of Plastic Surgery.

### **Seminars and Conferences organized**

Yearly clinical meet organised in collaboration with Indian Association of Dermatology, Venereology & Leprology held in the college, Sept. 16, 2017.

### **Seminar and conferences Presentation**

Dr. Bijaylaxmi Sahoo

Sahoo B., Invitation guest speaker to the 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) - DERMACon 2018.

Sahoo B., Guest Speaker: Management of lepra reaction: National Leprosy Conference, Dec. 5-7<sup>th</sup>, 2017

Sahoo B., Invited as guest speaker at 3rd PGCON of the North Zone is being organised by IADVL-Delhi State Branch and will be hosted by Department of Dermatology and STD, University College of Medical Sciences and GTB Hospital. Sept. 9th-10th, 2017

Sahoo B., Invited as speaker. PCS 2nd Global Allergy Conference (GAC-2017) in Prague, Czech Republic , August 5th - 6th, 2017.

Sahoo B., Panelist: A compendium in challenging cases. Mid Year Cuticon 28th of May 2017

Sahoo B., Panelist: Metabolic syndrome and Dermatology. Pieces of Jigsaw. 3rd December. Annual Cuticon 2017.

Sarkar R., Was invited faculty to speak at 12<sup>th</sup> International Congress of Dermatology at Buenos Aires, Argentina in "Neonatal Dermatology" Symposium, April 19th-22nd , 2017

Sarkar R., Was invited faculty at 4<sup>th</sup> International Summer Academy of Practical Dermatology at Munich, Germany to speak at "Vitiligo" Workshop and "Chemical Peels " session,. July 25<sup>th</sup> to 29<sup>th</sup>, 2017

Sarkar R., Was invited faculty to speak at "Melasma-Future Directions?" in DERMACon 2017 at Kolkata, Jan. 10th-13th, 2017.

Sarkar R., Was invited faculty to speak at "Hyperpigmentation in children" at New Delhi at ISPD Conference, Aug. 18-20, 2017.

Barman KD., Presented paper Management of acne scars with combined methods of subcision and microneedling. WCOCD 2017, Bengaluru. May 4th- 7<sup>th</sup>, 2017

Barman KD., Evaluation of serum levels of zinc and copper in vitiligo in pediatric patients. 13 world congress of pediatric dermatology, Chicago, United State. July 6th-9th, 2017

### **Faculty strength: 05**

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## **DERMATOLOGY & STD (UCMS)**

### **Honours/ Distinctions**

Grover C., Awarded the prestigious "BM Ambady Oration" by Indian Association of Dermatologists, Venereologists and Leprologists for "Onychology: an integral and vital part of clinical and surgical Dermatology" during the proceedings of DERMACon 2018, 46<sup>th</sup> National Conference of IADVL, held at Kochi, Kerala. Jan. 18-21<sup>st</sup>, 2018.

Grover C., Awarded the "Best Case Report published in Indian Dermatology Online Journal- 2017" for the publication "Nicolau Syndrome following intramatrix Triamcinolone acetonide injection for nail lichen planus" during the proceedings of DERMACon 2018, 46<sup>th</sup> National Conference of IADVL 2018 at Kochi, Kerala, Jan. 18-21<sup>st</sup>, 2018.

Pandhi D., Received the Presidential appreciation award for services to IADVL at DERMACon 2018 at Kochi Jan. 20<sup>th</sup>, 2018.

Pandhi D., Awarded the Sardarilal Memorial Award for lifetime achievement in the specialty by IADVL Delhi state branch during CUTICON at New Delhi. Dec 3<sup>rd</sup>, 2017.

Pandhi D., Awarded the Sardarilal Memorial Award Oration at ASTICON (annual conference of association for study of sexually transmitted diseases and AIDS of India) at Bhubaneswar. Nov. 26<sup>th</sup>, 2017.

## Publications

- Asha, K., Singal, A., Sharma, S. B., Arora, V. K., & Aggarwal, A. (2017). Dyslipidaemia & oxidative stress in patients of psoriasis: Emerging cardiovascular risk factors. *The Indian journal of medical research*, 146(6), 708.
- Ashique, K. T., & Grover, C. (2018). The “Y” technique: An attempt to standardize nail dressing. *Journal of the American Academy of Dermatology*, 78(5), e103-e104.
- Bisherwal, K., Singal, A., Pandhi, D., & Sharma, S. (2017). Pedunculated hemorrhagic cystic swelling: An unusual presentation of polydactyly. *Indian dermatology online journal*, 8(3), 220-220.
- Bisherwal, K., Singal, A., Pandhi, D., & Girotra, V. (2017). Solitary collagenoma of the labium majus: A rare occurrence. *Indian journal of dermatology*, 62(3), 312.
- Bisherwal, K., Singal, A., Pandhi, D., & Sharma, S. (2017). Hypopigmented mycosis fungoides: Clinical, histological, and immunohistochemical remission induced by narrow-band ultraviolet B. *Indian journal of dermatology*, 62(2), 203.
- Chaudhary, R., Grover, C., Bhattacharya, S. N., & Sharma, A. (2017). Computer assisted Objective structured clinical examination versus Objective structured clinical examination in assessment of Dermatology undergraduate students. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(4), 448.
- Daulatabad, D., Singal, A., Grover, C., & Chhillar, N. (2017). Prospective analytical controlled study evaluating serum biotin, vitamin B12, and folic acid in patients with premature canities. *International journal of trichology*, 9(1), 19.
- Daulatabad, D., Grover, C., Kashyap, B., Dhawan, A. K., Singal, A., & Kaur, I. R. (2017). Clinical and serological characteristics of nail psoriasis in Indian patients: A cross-sectional study. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 650.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Daulatabad, D., Grover, C., Kashyap, B., Dhawan, A. K., Singal, A., & Kaur, I. R. (2017). Clinical and serological characteristics of nail psoriasis in Indian patients: A cross-sectional study. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 650.
- Daulatabad, D., Nanda, S., & Grover, C. (2017). Intra-individual right-left comparative study of medium depth peels in superficial nail abnormalities. *Journal of cutaneous and aesthetic surgery*, 10(1), 28.
- Daulatabad, D., Grover, C., & Tanveer, N. (2017). Nevroid hypertrichosis in a pre-adolescent girl. *Indian dermatology online journal*, 8(2), 143.
- Daulatabad, D., Singal, A., Grover, C., & Chhillar, N. (2017). Prospective analytical controlled study evaluating serum biotin, vitamin B12, and folic acid in patients with premature canities. *International journal of trichology*, 9(1), 19.
- Daulatabad, D., Grover, C., & Sharma, S. (2017). ‘Extraction dermoscopy’ as a rapid and innovative diagnostic tool for eruptive vellus hair cyst. *Clinical and experimental dermatology*, 42(4), 438-440.
- Daulatabad, D., Grover, C., & Sharma, S. (2017). ‘Extraction dermoscopy’ as a rapid and innovative diagnostic tool for eruptive vellus hair cyst. *Clinical and experimental dermatology*, 42(4), 438-440.
- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
- Grover, C., & Bansal, S. (2018). Nail biopsy: A user's manual. *Indian dermatology online journal*, 9(1), 3.
- Grover, C., & Bansal, S. (2017). The nail as an investigative tool in medicine: What a dermatologist ought to know. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(6), 635.
- Grover, C., Kharghoria, G., Daulatabad, D., & Bhattacharya, S. N. (2017). Nicolau syndrome following intramatrix triamcinolone injection for nail lichen planus. *Indian dermatology online journal*, 8(5), 350.

- Grover, C., & Jakhar, D. (2017). Onychoscopy: A practical guide. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(5), 536.
- Grover, C., Daulatabad, D., & Singal, A. (2017). Role of nail bed methotrexate injections in isolated nail psoriasis: conventional drug via an unconventional route. *Clinical and experimental dermatology*, 42(4), 420-423.
- Jakhar, D., & Grover, C. (2018). Universal serial bus dermatoscope as an oculoscopy tool. *Journal of the American Academy of Dermatology*, 78(6), e139-e140.
- Jakhar, D., & Grover, C. (2018). Innovative modification of the USB dermatoscope for mucoscopy. *Journal of the American Academy of Dermatology*, 78(1), e3-e4.
- Jakhar, D., Pandhi, D., Singal, A., & Sharma, S. (2018). Angioma serpiginosum in a bilateral distribution with acral involvement: An uncommon presentation. *Indian Journal of Dermatology, Venereology, and Leprology*, 84(3), 338.
- Kaul, S., Grover, C., & Das, G. K. (2017). Partial dysautonomia: An interesting presentation. *Indian Journal of Dermatology, Venereology, and Leprology*, 83(5), 596.
- Das, S., Pandhi, D., Rai, G., Ansari, M. A., Gupta, C., Haque, S., & Dar, S. A. (2017). Challenges in culture-negative cases of *Madurella mycetomatis*: A case report re-accentuating PCR as an essential diagnostic tool. *Journal de mycologie medicale*, 27(4), 577-581.
- Pandhi, D., & Kulhari, A. (2017). Erythema nodosum leprosum necroticans. *Indian pediatrics*, 54(12), 1071-1071.
- Singal, A., Mittal, H., Aggarwal, A., Das, S., & Manchanda, S. (2018). Phacomatosis pigmentovascularis type 2b (phacomatosis cesioflammea) with double superior vena cava, abdominal varicosities, and natal tooth: Novel associations. *Pediatric dermatology*, 35(3), e151-e154.
- Singal, A., Kaur, I., & Arora, V. K. (2018). Solitary Digital Nodule in an Infant. *Skin appendage disorders*, 4(1), 44-46.
- Singal, A., Pandhi, D., Gogoi, P., & Grover, C. (2017). Subungual melanoma is not so rare: Report of four cases from India. *Indian dermatology online journal*, 8(6), 471.
- Singal, A. (2017). Habit tic deformity of bilateral thumb and toenails in a young boy: an unusual occurrence. *Skin appendage disorders*, 3(4), 186-187.
- Singal, A. (2017). Chikungunya and skin: Current perspective. *Indian dermatology online journal*, 8(5), 307.
- Singal, A., Pandhi, D., Kataria, V., & Arora, V. K. (2017). Tuberculosis of the glans penis: an important differential diagnosis of genital ulcer disease. *International journal of STD & AIDS*, 28(14), 1453-1455.
- Singal, A., Pandhi, D., Gogoi, P., & Grover, C. (2017). Subungual melanoma is not so rare: Report of four cases from India. *Indian dermatology online journal*, 8(6), 471.
- Grover C, & Singal, (2017). Conference Report<sup>4<sup>th</sup></sup> International Summit for Nail diseases (ISND) held in Athens, Greece. *ONYCHOSCOPE*, 7(1).
- Grover C, & Jakhar D. (2017) Diagnostic Utility of Onychoscopy: A review of Literature. *Indian J Dermatopathol Diagn Dermatol*, 4, 31-40.
- Grover C, & Jakhar D. (2017). Dermoscopy in the diagnosis of Scabies. *Int J Dermoscopy*, 1(2), 67-68.
- Grover C. (2018). Editorial. *Onychoscope*, 2018, 7(1), 1.
- Grover C. (2017). Conference Report for the 21<sup>st</sup> Annual Meeting of Council of Nail Disorders. *Onychoscope* 2017, 6(2), 6-7.
- Grover C, & Singal A. Conference Report for the 4<sup>th</sup> International Summit for Nail Diseases. *Onychoscope* 2017, 6(2), 4-6.
- Grover C. (2017). Editorial. *Onychoscope*, 2017, 6(1), 1
- Jakhar D, Grover C. (2017). Photo Quiz- Yellow Nail Syndrome. *Onychoscope*, 6(2), 4
- Singal A, Jakhar D. (2017). ONYCHOSCOPY: An Overview. *Int J Dermoscopy*, 1, 2, 41-49.

## Chapters in books

Grover C, Singal A. (2017). Surgery and Cosmetic Procedures of nails: Excision of subungual tumors. In Mysore Venkatram, (Ed.). *ACS (I) Textbook of Cutaneous and Aesthetic Surgery* pp. (602-609). 2<sup>nd</sup> Edition. New Delhi: Jaypee Brothers Medical Publishers. [ISBN 978-93-5270-033-2.]

Pandhi D. Phototoxic and Photoallergic drug reactions. (2018). In Gupta L, Martin A, Dsouza P, Pande S. (Eds.). *IADVL's Textbook on CADR- A Comprehensive Guide*. Mumbai: Bhalani Publishing House.

Pandhi D, Daulatabad D. Ichthyosis. (2017). *Textbook of Pediatrics for Postgraduates, 2nd Ed.* (pp. 3086-91). In Gupta P, Menon PSN, Ramji S, Lodha R. (Eds.). New Delhi: Jaypee Publishers.

Pandhi D, Arora R. Urticaria, and Mastocytosis. (2017). *Textbook of Pediatrics for Postgraduates, 2<sup>nd</sup> Ed.* (pp 3116-21). Gupta P, Menon P.S.N., Ramji, S., Lodha, R. (Eds.). New Delhi: Jaypee Publishers.

Sardana K, Grover C, Khurana A, Suresh M. S. Telogen Effluvium. (2017). *Hair loss: Disorders, restoration and management, 2<sup>nd</sup> Ed.* (pp. 70-93). In Sardana, K, Khurana A. Delhi: CBS Publishers and Distributors.

## Books

Singal A, Grover C. (2018). *Atlas of Infections in Dermatology*. Jaypee Publisher.

## Research projects

Dr Deepika Pandhi : To determine anti-fungal susceptibility of dermatophytes causing superficial fungal infection to Fluconazole, Terbinafine, Griseofulvin Itraconazole, Voriconazole, 2015-2017 Funded by: IADVL Amount: 3,42,000

## Seminars Organised

CME on Botulinum Toxin hands-on training workshop for Senior Residents on 22<sup>nd</sup> August, 2017

## Conferences Organised

3<sup>rd</sup> Post Graduate Conference (PGCON) North Zone organised at Conference Hall, UCMS and GTB, Sept. 9-10<sup>th</sup>, 2017

## Seminars/ Conferences Presentations

Grover Chander., Invited Faculty for the session “Treatment of Nail Disorders: Chemical Peelings” during the proceedings of the 21<sup>st</sup> Annual Conference of Council for Nail Disorders, held at Hotel Hilton, Orlando, Florida, USA. March 2<sup>nd</sup>, 2017

Grover C., Chairperson and Invited Faculty for the session “Injectable therapies in Nail disorders” during the proceedings of the 4<sup>th</sup> International Summit for Nail Diseases, held at Hotel Divani Caravel, Athens, Greece. June 23<sup>rd</sup>-25<sup>th</sup>, 2017.

Grover C., Invited Faculty for the session “Commonly performed nail surgeries” during the proceedings of the 12<sup>th</sup> World Congress of Cosmetic Dermatology 2017 and 15<sup>th</sup> National Conference of ACSI, held at GKVK, Bengaluru, India. May 4-6<sup>th</sup>, 2017.

Grover C., Invited Faculty for the session “Injectables and Nail avulsion” during the proceedings of the International Aesthetic and Clinical Dermatology Conference, held at PGIMER, Chandigarh, India, Dec. 8-10<sup>th</sup>, 2017

Grover C., Invited Faculty for “Nail Surgery” during the IADVL-Torrent Dermatosurgery Workshop organised by IADVL-SIG Dermatosurgery and IADVL-Karnataka State Branch at JSS Medical College, Mysore. Feb. 11<sup>th</sup>, 2018

Grover C., Invited Faculty for “Where to take the Nail Biopsy” during the Workshop “Nailing the nail” held during the proceedings of DERMACON 2018, 46<sup>th</sup> National Conference of IADVL, 2018 at Kochi, Kerala. Jan. 18<sup>th</sup>-21<sup>st</sup>, 2018.

Grover C., Invited Faculty for the session “Nail Biopsy” (lecture and live demonstration) during the proceedings of IADVL-Torrent Dermatosurgery Workshop organised by IADVL-DSB and IADVL-SIG Dermatosurgery, at Medanta, The Medicity, Gurugram. Jan. 7<sup>th</sup>, 2018



Grover C., Invited Faculty for the session “Nail Fold capillaroscopy” (lecture and live demonstration) during the proceedings of the V Biennial Conference of IADVL, West Zone, held at Rajkot, India, Dec. 15-17<sup>th</sup>, 2017

Grover C., Invited Panelist for “Management of Nail Psoriasis” during the proceedings of IADVL Master Class on Psoriasis Management (IMPACT 2.0) organised by IADVL-DSB, 28<sup>th</sup> May, 2017 at Hotel Shangri-La, Connaught Place, Delhi

Grover C., Invited Faculty for “Tips and Tricks in Onychoscopy” during the proceedings of 6<sup>th</sup> ONYCHOCON organised at Department of Dermatology and STD, GMC Amritsar, from 4-5<sup>th</sup> Nov, 2017.

Grover C., Invited Quiz Master for the “Nail Quiz” during the proceedings of 6<sup>th</sup> ONYCHOCON organised at Department of Dermatology and STD, GMC Amritsar, from 4-5<sup>th</sup> Nov, 2017.

Grover C., Invited Faculty for “Skin Manifestations of PCOS” during the proceedings of PCOS Symposium organised at India International Centre, Delhi on 1<sup>st</sup> Nov, 2017.

Grover C., Invited Faculty for “Nail Spotters” during the proceedings of 3<sup>rd</sup> PGCON organised at Conference Hall, Department of Dermatology and STD, UCMS and GTB Hospital, Delhi from 9-10<sup>th</sup> Sep, 2017.

Grover C., Invited Chairperson for “Dermoscopy of Hyperpigmentary Disorders” during the proceedings of 4<sup>th</sup> RSF Dermoscopy and Trichoscopy Workshop organised at Hotel Swissotel, Kolkata . Sept. 2-3<sup>rd</sup> Sep, 2017.

Grover C., Invited Faculty for “Writing a Title” and “How to use protocol Writing Template” during the proceedings of Protocol Writing Workshop for first year PG students, organised at UCMS and GTB Hospital. August 21<sup>st</sup>- 24<sup>th</sup>, 2017.

Grover C., Invited Faculty for “Writing Introduction” during the proceedings of Paper Writing Workshop for Senior Residents, organised at MEU, Maulana Azad Medical College. August 23<sup>rd</sup>- 24<sup>th</sup>, 2017.

Grover C., Invited Chairperson for “Secrets of lip reshaping” during the proceedings of Facial Aesthetics Training and Education (FATE) organised at Delhi. July 30<sup>th</sup>, 2017 .

Grover C., Invited Faculty and Chairperson for “Hair loss: What to do” during the proceedings of 4<sup>th</sup> DAAS (Dermatology and Allied Specialties) Summit organised at Delhi. June 30<sup>th</sup>-2<sup>nd</sup> July, 2017

Grover C., Invited Faculty for “Nail Surgery: video demonstration of basic and advanced procedures” during the proceedings of IADVL-Torrent Dermatotomy Workshop-2016” organised at Agra. June 11<sup>th</sup>, 2017

Grover C., Invited Chairperson for the 2<sup>nd</sup> Conference and Hands on Workshop of Jawline and Chin Augmentation organised by Face Aesthetic Dermatologist Society at Hotel Radisson Blu, Ghaziabad, April 30<sup>th</sup>, 2017.

Grover C., Invited Panelist for the session “Management of Late Onset Psoriasis” during the proceedings of the Symposium on Reconceptualizing management of dermatoses in elderly, held at Lady Hardinge Medical College, Delhi. May 14<sup>th</sup>, 2017.

Grover C., Invited Faculty for the session “What’s new: Dermoscopy” during the proceedings of the Mid Year CUTICON, held at Hotel Eros, Nehru Place, Delhi on May 28<sup>th</sup>, 2017.

Pandhi D., Invited Moderator for panel discussion on Topical therapy in Acne at the 3<sup>rd</sup> Acne India summit at New Delhi. March 4<sup>th</sup>, 2018.

Pandhi D., Invited faculty for talk entitled-Genodermatoses, commonly encountered, case scenarios, Indian context, -at 46<sup>th</sup> National. Conference of IADVL Dermacon 2018 at Kochi, Kerala. Jan. 18<sup>th</sup> to 21<sup>st</sup>, 2018.

Pandhi D., Invited Panelist for Panel Discussion on Genodermatoses at the 4<sup>th</sup> National. Conference of IADVL Dermacon 2018 at Kochi, Kerala. Jan. 18<sup>th</sup> to 21<sup>st</sup>, 2018.

Pandhi D., Invited speaker for talk entitled “How to convert Thesis into paper” at the Dermazone West at Rajkot on December 15<sup>th</sup>-17<sup>th</sup> 2017.

Pandhi D., Invited speaker for talk entitled “Pitfalls in articles submitted for publication-How to avoid?” at the Dermazone West at Rajkot on December 15<sup>th</sup>-17<sup>th</sup> 2017.

Pandhi D., Invited panelist for panel discussion entitled “Lab interpretation and clinical significance in AI-CTD” at the Dermazone West at Rajkot on December 15<sup>th</sup>-17<sup>th</sup> 2017.

Pandhi D., Moderator and Judge for 3 Debates on “Glutathione in Dermatology, Rituximab versus Pulse therapy and Antibiotics in Acne” at the Dermazone West at Rajkot on December 15<sup>th</sup>-17<sup>th</sup> 2017.

Pandhi D., Invited speaker for Award Oration entitled “P16 immunostaining as a predictor of anal and cervical dysplasia in women attending a sexually transmitted infection clinic” at the National ASTICON conference at Bhubaneswar on November 24<sup>th</sup>-26<sup>th</sup>, 2017.

Pandhi D., Invited speaker for talk entitled “Treating right for healing right; Management issues in SLE” at the Dermazone South at Mangalore on November 17<sup>th</sup>- 19<sup>th</sup>, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Current menace of dermatophytosis” at the Dermazone South at Mangalore on November 17<sup>th</sup>- 19<sup>th</sup>, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Investigating autoimmune connective tissue disease” at the Dermazone South at Mangalore. Nov.17<sup>th</sup>- 19<sup>th</sup>, 2017.

Pandhi D., Invited speaker for talk entitled “Is there any Clinical relevance of lab diagnosis & antifungal drug susceptibility tests in Dermatophytosis” at the Dermatophytosis: Fighting the Challenge conference at Chandigarh on Sept. 2-3 2017.

Pandhi D., Invited speaker for talk entitled “Therapeutic Options for Difficult to Treat Acne” at the National symposium on Clinical Dermatology- Back to Roots-2 at Bengaluru. August 5-6, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Future therapeutics in Acne” at the at the National symposium on Clinical Dermatology- Back to Roots-2 at Bengaluru. August 5-6 ,2017

Pandhi D., Invited panelist for panel discussion entitled “Universal access to HIV testing: windows of opportunity” at the National Consultation on Private Health Sector Engagement for Elimination of Mother-To-Child Transmission of HIV and Syphilis held at New Delhi. July 7, 2017.

Pandhi D., Invited panelist for panel discussion entitled “Vasculitis-Looking beyond the skin” at the 4<sup>th</sup> Dermatology and Allied Specialities (DAAS) Summit organised at New Delhi. July 1<sup>st</sup> -3<sup>rd</sup>, 2017.

Pandhi D., Invited speaker for talk entitled “Examination pattern: Theory “at the National PG task force workshop at Delhi. June 18<sup>th</sup> 2017.

Pandhi D., Invited Speaker for talk entitled “Examination pattern: Theory “ at the National PG task force workshop at Delhi. June 18<sup>th</sup> 2017

Pandhi D., Invited speaker for talk entitled “Challenges of managing Bullous Pemphigoid in elderly” at the National symposium on “Reconceptualising the management of Dermatoses in Elderly at New Delhi . May 14<sup>th</sup>, 2017.

Pandhi D., Invited speaker for a talk entitled “Management of difficult Acne” at the Annual CUTICON of Andhra Pradesh State branch at Nellore. Dec. 9<sup>th</sup>-10<sup>th</sup>, 2017.

Pandhi D., Participated in a panel discussion on “Management of Difficult cases” at the Annual CUTICON of Andhra Pradesh State branch at Nellore. Dec. 9<sup>th</sup>-10<sup>th</sup>, 2017.

Pandhi D., Moderated a panel discussion on “Fighting against Dermatophyte: Are we losing the plot?” at the Annual CUTICON of Delhi State branch at New Delhi on Dec. 3<sup>rd</sup> 2017.

Singal A., Invited moderator for the session, ‘Cosmetic Nail Problem’ during 12th World Congress of Cosmetic Dermatology- WCOCD 2017 held in Bangalore. May 5<sup>th</sup> -7<sup>th</sup>, 2017.

Singal A., Invited speaker for the session on 'Challenges in the diagnosis and management of cutaneous tuberculosis' at the 46<sup>th</sup> National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi. Jan. 18<sup>th</sup> to 21<sup>st</sup>, 2018.

Singal A., Invited speaker for the session on 'Approach to Nail Tumors' at the 46<sup>th</sup> National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi. Jan. 18<sup>th</sup> to 21<sup>st</sup>, 2018.

Singal A., Invited faculty to the symposium on “ A Modern Team based approach to the management of epidermolysis bullosa; A rare genetic disorder” organised by Center for Human genetics (CHG) in Bangalore. Jan. 14-15<sup>th</sup>, 2018

Singal A., Took a lecture on, ‘Maintaining & Improving Standard of Care’ during Intern Orientation program’ in UCMS. Jan. 1<sup>st</sup>, 2018.

Singal A., Invited speaker on, ‘How to Manage Recalcitrant DERMATOPHYTOSIS’ during Annual CUTICON, Haryana State Branch, held on Dec. 16<sup>th</sup>, 2017.

Singal A., Invited speaker on, ‘Non Dermatophytic Molds in Onychomycosis: a tough nut to crack’ during NATIONAL DERMATOLOGY CME & UPDATE, held in Base Hospital Lucknow. Dec. 8<sup>th</sup> -9<sup>th</sup>, 2017.

Singal A., Invited panelist for the session, 'The Great Indian Epidemic of Superficial Dermatophytosis; Difficult Path Ahead' during NATIONAL DERMATOLOGY CME & UPDATE, held in Base Hospital Lucknow. Dec. 8<sup>th</sup>-9<sup>th</sup>, 2017.

Singal A., Invited speaker on 'Present Day Challenges in the Management of Leprosy' during Research Symposium On 'Relapse and Drug Resistance: Present Scenario and Critical Issues' organised by LTM IHC, Delhi. Nov. 29<sup>th</sup>, 2017.

Singal A., Invited speaker on, 'Approach to Twenty nail Dystrophy' during 21<sup>st</sup> DERMAZONE South and 8<sup>th</sup> CUTICON Karnataka held at Mangalore. Nov 14<sup>th</sup>-16<sup>th</sup>, 2017.

Singal A., Invited Faculty for "Bird's Eyeview of ONYCHOSCOPY" during the proceedings of '6<sup>th</sup> ONYCHOCON, organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4<sup>th</sup>- 5<sup>th</sup>, 2017

Singal A., Invited Faculty for "Bird's Eyeview of ONYCHOSCOPY" during the proceedings of '6<sup>th</sup> ONYCHOCON organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4<sup>th</sup>- 5<sup>th</sup>, 2017.

Singal A., Invited Faculty for "Interesting Nail Cases" during the proceedings of '6<sup>th</sup> ONYCHOCON, organised by Nail Society of India and Govt Medical College, Amritsar. Nov. 4<sup>th</sup>- 5<sup>th</sup>, 2017.

Singal A., Invited speaker on, 'Strategies to treat resistant and recurrent superficial DERMATOPHYTOSIS' during Gurgaon Dermatologist CME. Sept. 27<sup>th</sup>, 2017.

Singal A., Presented 'Challenges Cases in Dermatology' during the proceedings of 1<sup>st</sup> CUTICON of IADVL, J&K Branch held on 26<sup>th</sup> Sept, 2018 in Srinagar.

Singal A., Delivered a lecture on "Do's and Don't in Practical Exam" during '3<sup>rd</sup> PGCON NORTH ZONE' held in UCMS on 9<sup>th</sup> & 10<sup>th</sup> Sept 2017.

Singal A., Delivered Plenary Lecture on, 'Recurrent Tinea; Myth or Reality' during symposium on 'Dermatophytosis; Fighting the Challenge, organised by PGI Chandigarh during 2<sup>nd</sup> & 3<sup>rd</sup> Sept 2017.

Singal A., Invited speaker in the session, 'How Do I Treat' Trachyonychia in children' during Annual conference of Indian Society of Pediatric Dermatology' 2017 Aug. 16<sup>th</sup>-18<sup>th</sup>, 2017.

Singal A., Presented, Interesting Cases in Dermatology from India' during 5<sup>th</sup> International Summer Academy of Practical Dermatology' held in Munich. July 25<sup>th</sup>-29<sup>th</sup>, 2017.

Singal A., Invited lecture on, 'Skin and epidemic fevers' during 4<sup>th</sup> DAAS SUMMIT at Hotel Eros, New Delhi. June 28<sup>th</sup>- 30<sup>th</sup>, 2017

Singal A., Invited speaker on, 'Great Nail cases from India' during 4<sup>th</sup> International Summit for Nail diseases (ISND) held in Athens, Greece. June 23<sup>rd</sup> to 25<sup>th</sup>, 2017.

Singal A., Invited speaker on, 'A Compendium of Challenging CASES in Dermatology' during Mid-Year CUTICON, organised by IADVL Delhi State Branch at Hotel Le Meridian, Delhi. May 15<sup>th</sup>, 2017

Singal A., Invited speaker on, 'Approach to Management of Onychomycosis in Elderly' during symposium on 'Re conceptualizing management of Dermatoses in elderly' organised in LHMC. May 14<sup>th</sup>, 2017

### **Placement Details**

Number of students placed: 3

### **Extension and outreach activities**

3<sup>rd</sup> PGCON organised by IADVL-DSB and Department of Dermatology and STD, UCMS and GTB Hospital at Conference Hall, UCMS and GTB Hospital.

### **Faculty Strength: 5**

### **Other Significant information**

Grover C., Honorary Secretary, IADVL Delhi State Branch for the year

Grover C., Founder Secretary, Nail Society of India.

Grover C., Editorial Board Member, Skin Appendage Disorders, an International, peer-reviewed, Pubmed indexed journal.

Grover C., Editorial Board Member, Indian Journal of STD and AIDS, a peer-reviewed, Pubmed indexed journal.

Pandhi D., Appointed as Member Editorial Committee for Indian Journal of Sexually transmitted Diseases and AIDS

Pandhi D., Appointed as Section Editor for Indian Journal of Dermatology, Venereology and leprosy

Pandhi D., Appointed as Member Editorial Committee for Indian Online Dermatology Journal

Singal A., Scientific Chairperson, 3rd PGCON, North Zone organised by IADVL DSB and Department of Dermatology & STD, University College of Medical Sciences & GTB Hospital, Delhi on at Conference Hall UCMS, Delhi.

Singal A., Special Grants received- Awarded Travel Grant to ISA 2017, to attend 5<sup>th</sup> Munich International Summer Academy of Practical Dermatology. July 25<sup>th</sup> -29<sup>th</sup>, 2017

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## FORENSIC MEDICINE (LHMC)

### Major Activities and Achievements

Two books have been published by the faculty members. Four scientific research papers have been published in the reputed journals. Two dissertations have been accepted by the University in the year 2017. Four dissertations projects are going on presently.

### Publications

Naik, S. K. (2017). *Dealing with Medico-legal Duties*. New Delhi: Shiv Shakti.

Sharma, G. K. (2017). *Textbook of Forensic Medicine, Medical Jurisprudence, and Toxicology Including Forensic Psychiatry*. New Delhi: CBS.

Kumar, M., Naik, S. K., Murari, A., & Rani, Y. (2017). Detection of diatoms in non-drowning cases-a post-mortem study. *Journal of Forensic Medicine and Toxicology*, 34(1), 5-13.

Kumar, R., Chouksey, V., Duchania, S., Panchal, K., & Rani, M. (2017). Complex suicide: multiple methods used to end life. *Journal of Forensic Medicine and Toxicology*, 34(1), 36-39.

Singh, R. K., Naik, S. K., Jais, M., Sharma, G. K., Rani, Y., & Murari, A. (2018). Screening of Hepatitis B Virus among claimed and unclaimed dead bodies during Autopsy. *Indian Journal of Medical Specialities*, 9(1), 12-14.

Deshkar, J., Kumar, P., & Naik, S. K. (2016). Pain killed army man-A case report. *Journal of Indian Academy of Forensic Medicine*, 38(3), 350-351.

### Research Projects

Non-funded projects

HBV and HCV screening in claimed and unclaimed dead bodies at autopsy in LHMC and Associated Hospitals, New Delhi, 2015-2017

A post-mortem study of Socio-demographic profile and organ weights in cases of suicide. 2015-2017

Profile of substance users receiving opioid substitution therapy at LHMC and Associated Hospitals, New Delhi. 2016-2018

Estimation of age from fusion of mesosternum with manubrium sterni and xiphisternum- A post-mortem study. 2016-2018

Determination of individual characteristics and gender variations in lip prints for the purpose of identification 2017-2019

A 20- year retrospective study of pattern of Firearm injuries among autopsies conducted at LHMC, New Delhi. 2017-2019

Correlation of chronological age with degree of fusion of iliac crest by digital roentgenograph. 2017-2019

### Seminar/ Conference Presentations

2 Research papers "Death due to detention- Medico-legal aspects by Dr. Shrabana Kumar Naik, Professor and "After POCSO Act, is there need to change the medico-legal opinion? by Dr. Kuldeep Singh, Junior

Resident” have been presented at Annual National Conference of IAFM held at JIPMER, Puducherry on 1<sup>st</sup> -3<sup>rd</sup> Feb, 2018.

**Faculty Strength: 8**

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## MEDICINE (UCMS)

### Major Activities and Achievements

The Department of Medicine at UCMS-GTBH has been providing patient care services to vast number of inpatients as well as outpatients through its general and special OPDs along with dedicated wards, coronary care and dialysis units and round the clock emergency services. The antiretroviral treatment center is also running under the aegis of the Department of Medicine and is extending care and support to a large number of patients suffering from HIV. The faculty despite handling the immense burden of patient care is also religiously involved in teaching and training of undergraduates and postgraduates. A lot of effort is invested in doing quality MD thesis work and residents are also marking their presence in national conferences. Faculty is also involved in core curriculum committees and medical education unit. Despite constraints and logistics the department endeavors to provide opportunity for professional growth to both residents and faculty by facilitating teaching and training.

### Honours/Distinctions

Amit Verma awarded Membership, National Academy of Medical Sciences (India), 2017.

Ashish Goel, Awarded Masters in Public Health degree at the Johns Hopkins Bloomberg School of Public Health, USA, May 25, 2017

Awarded Fellowship of Indian College of Physicians, 2017.

### Publications

Dayanand, Raizada, A., Agarwal, A., Sharma, R., & Kaur, R. (2017). PEW and its association with frailty in NDD- CKD. *Ind J Neph*, 27(1), S22.

Kumar, A., & Goel, A., (2018). Step one in research: Formulating a research question. In, Prakash A, Pangtey G (Eds.), *Research Methods*, Indian College of Physicians, Association of Physicians of India.

Mukherjee, S., Thawani, R., Roy, P., Aggarwal, A., Das, S., & Goel, A. (2017). Interaction with patients in understanding medical students' role as healthcare providers. *J Pharm Biomed Sci*, 7(2), 40-45.

Piden, N., Raizada, A. S., Agarwal, & Grover, R. K. (2017). Spectrum of renal involvement in cancer patients. *Ind J Neph*, 27(1), S37s.

Rath, S., Yadav, L., Tewari, A., Chantler, T., Woodward, M., Kotwal, P. . . . Norton, R. (2017). Management of older adults with hip fractures in India: a mixed methods study of current practice, barriers and facilitators, with recommendations to improve care pathways. *Arch Osteoporosis*, 12(55), 1-13.

Siddarth, M., Chawla, D., Raizada, A., Wadhwa, N., Banerjee, B.D., & Sikka, M. (2018). Lead-induced DNA damage and cell apoptosis in human renal proximal tubular epithelial cell. Attenuation via N-acetyl cysteine and tannic acid. *J Biochem Mol Toxicol*, 32(3), 322038.

Siddarth, M., Chawla, D., Raizada, A., Wadhwa, N., Banerjee, BD., & Sikka, M. (2018). Lead nitrate-induced ROS mediated DNA damage and cell apoptosis in human renal proximal tubular epithelial cell: amelioration via N-acetyl cysteine, Curcumin, and Tannic acid. *Cancer Med*, 7, 37-37.

Singh, A., Verma, A.K., & Amrita. (2017). Dilemma in diagnosis of tuberculosis as a case report of lost battle of TB. *Int J Cont Med Res*, 4(9), 1919-1920.

Singh, A., Verma, A.K., Srivastava, A., Sharma, T., & Sundaram. (2018). Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcome. *Ind J Obs Gyn Res*, 1.

Verma, A.K., & Sahu, D.K. (2017). Assessment of cognitive function status in patients of COPD by Montreal cognitive assessment test Hindi Version. *Int J Cont Med Res*, 4(5), 986-989.

Verma, A.K., & Singh, D.K. (n.d.). A study of occurrence of frailty in patients of COPD and its correlation with cognitive functions as assessed by Montreal cognitive assessment score. *Int J Scientific Study*, 5(8), 76-80.

Yadav R, & Goel, A. (2018). Urinary Incontinence in elderly. In, Handa R (Ed.), *Medicine Update*, APICON.

### Research Projects

Dr Shiva Narang, completed 2017, “Efficacy and safety of fixed dose combination of drotanerine Hydrochloride (80mg) and Paracetamol (500mg) in amelioration of abdominal pain in patients with acute infectious gastroenteritis: A Double Blind Randomized controlled trial”.

### Seminar/Conference Presentations

Raizada A, Poster presentation on “PEW and its association with frailty in NDD CKD” at 48th Annual Conference of Indian Society of Nephrology-ISONCON 2017, Dece.14-17, 2017.

Raizada A, Poster presentation on “Spectrum of renal involvement in cancer patients” at 48th Annual Conference of Indian Society of Nephrology-ISONCON 2017, Dec. 14-17, 2017.

Aggarwal A, Chairperson at 73<sup>rd</sup> Annual Conference of the Association of Physicians of India, Mumbai. Feb. 22nd-25th, 2018,

Aggarwal A, Chairperson at 30<sup>th</sup> Annual Conference of the Indian Society of Atherosclerosis Research, AIIMS, Patna. Nov. 2nd-4th, 2017.

Aggarwal A, Chairperson at 27<sup>th</sup> National Congress of the Indian Society of Hypertension, New Delhi. Sept. 1st-2nd, 2017.

Aggarwal A, Chairperson at 12<sup>th</sup> World Congress on Clinical Preventive Cardiology and Imaging, Amritsar. Sept. 30th-01st Oct, 2017

Aggarwal A, Chairperson at DIABCON 2017. April 22nd-23rd, 2017.

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## MICROBIOLOGY (MAMC)

### Major Activities and achievements

The Department of Microbiology teaches undergraduate (MBBS, BDS, B.Sc. Nursing), Postgraduate (MD) and Ph.D students. The Laboratories in the Department are well equipped with latest equipment, such as Vitek-2 Compact System, BAC/T Alert System, DNA Sequencer, Cobas Taqman 48 Analyzer, BD FACS Count System and Fully Automated ELISA processor. The HIV Laboratory in the department functions as a State Reference Laboratory (SRL) for HIV under the aegis of NACO. The HIV testing performed by rapid tests has been accredited by NABL. The department has number of publications in peer reviewed scientific journals and some of them are authors of well-known Microbiology text books.

### Honours/Distinctions

Dr Rohit Chawla was certified as the Diplomat of the American Board of Medical Microbiology (ABMM).

Dr. Rohit Chawla attained the fellowship of the Canadian College of Microbiologists (FCCM).

Dr Vikas Manchanda, Member of Vice Chair, External Affairs committee, Society of Healthcare Epidemiology of America (SHEA), USA

### Publications

Baveja, C. P., & Aggarwal, P. (2017). Statistical analysis of microbiological diagnostic tests. *Indian Journal of Medical Microbiology*, 35(2), 184.

Abhishek, K. S., Chakravarti, A., Baveja, C. P., Kumar, N., Siddiqui, O., & Kumar, S. (2017). Association of interleukin-2, -4 and -10 with dengue severity. *Indian Journal of Pathology and Microbiology*, 60(1), 66.

Goel, S., Chakravarti, A., Mantan, M., Kumar, S., & Ashraf, M. A. (2017). Diagnostic approach to viral acute encephalitis syndrome (AES) in paediatric age group: a study from New Delhi. *Journal of clinical and diagnostic research: JCDR*, 11(9), DC25.

Kumar, S., Bala, I. & Sethi, & G.R. (2017). Mycoplasma pneumoniae lower respiratory tract infections among children. *International J Sci. Res.* 6, 73-74.

Nayyar, C., Saksena, R., & Manchanda, V. (2017). Prevalence of transfusion-transmitted viral pathogens among health-care workers and risk mitigation programme in a paediatric tertiary care hospital. *Indian journal of medical microbiology*, 35(2), 296.

Gupta, R., Kushwaha, S., Thakur, R., Jalan, N., Rawat, P., Gupta, P., ... Manchanda, V. (2017). Predictors of adverse outcome in patients of tuberculous meningitis in a multi-centric study from India. *Indian Journal of Tuberculosis*, 64(4), 296-301.

Singh, N., & Manchanda, V. (2017). Control of multidrug-resistant gram-negative bacteria in low-and middle-income countries—high impact interventions without much resources. *Clinical Microbiology and Infection*, 23(4), 216-218.

Manoharan, A., Manchanda, V., Balasubramanian, S., Lalwani, S., Modak, M., Bai, S., & Nataraj, G. (2017). Invasive pneumococcal disease in children aged younger than 5 years in India: a surveillance study. *The Lancet Infectious Diseases*, 17(3), 305-312.

Wattal, C., Javeri, Y., Goel, N., Dhar, D., Saxena, S., Singh, S., & Nangia, V. (2017). Convergence of minds: For better patient outcome in intensive care unit infections. *Indian Journal of Critical Care Medicine*, 21(3), 154.

Gupta, A. J., Singh, M., Yadav, S., Khurana, N., Jain, S. L., Chawla, R., ... Mishra, A. (2017). Phaeohyphomycosis breast masquerading as fibroadenoma in a young teenage girl. *Diagnostic Cytopathology*, 45(10), 939-942.

### **Books Published**

Baveja, C. P. (2017). *A textbook of Microbiology for Nursing*. (5<sup>th</sup> Ed.). Delhi: Arya.

Baveja, C. P. (2017). *Essentials of MD/DNB Microbiology Practical Examination*. (1<sup>st</sup> Ed.). Delhi: Arya.

Baveja, C. P. (2017). *Medical Parasitology*. (4<sup>th</sup> Ed.). Delhi: Arya.

Kumar, S. (2017). *Practical Microbiology for MBBS Students*. Delhi: Jaypee Brothers Medical.

### **Number of Department teachers serving as Editors/members of Editorial Board**

Baveja CP., Reviewer for Indian Journal of Medical Microbiology and Oman Medical Journal.

Baveja CP., Member, Editorial Board, MAMC Journal of Medical Sciences

Manchanda V., Editorial Board member of: Journal of Patient Safety and Infection Control – Journal of Hospital Infection Society of India (HISI), Astrocyte – Journal by National Board of Examinations (NBE) and Jeevanu Times – Publication from Indian Association of Medical Microbiologists, Delhi Chapter

Manchanda V., Web Editor of - IAMM Delhi Chapter and Hospital Infection Society, India

### **Research Projects**

Baveja CP., miRNAs as evaluation biomarkers of Tuberculosis treatment response. Funded under Grand Challenges exploration India/ Round 1.

Kumar S., ICMR Project: Role of *Mycoplasma pneumoniae*, and *Chlamydomydia pneumoniae* and viral infections in children with asthma exacerbations

Kumar S., ICMR Project: Does the foetal immune response in case of neonatal early onset sepsis begin in utero.

Manchanda V., Rapid diagnosis of candidemia through a novel, rapid and cost-effective spot immunomagnetic enrichment device (SiMED) Initiated 2017, funded by DBT

Manchanda V., A Study of a new diagnostic approach iMC<sup>2</sup> for early diagnosis of typhoid fever. Initiated 2017, funded by DBT

Manchanda V., A study on microbiological profile of acute septic arthritis in children, initiated 2017, funded by Govt of NCT of Delhi.

### **Projects completed**

Manchanda V., Baseline Assessment for *Streptococcus pneumoniae* of India Serotypes (BASIS), Initiated June 2015 – Dec 2017, Site PI, CNBC; funded by Bill Melinda Gates foundation.

### **Conferences organised**

Manchanda V., Conducted workshop on “Staphylococcal phage typing” for final year M.D. (Microbiology) students of Delhi University on 12.01.2017.

Manchanda V., Organised Training Program on External Quality Assessment for HIV Testing for laboratory technicians of linked HIV testing sites (ICTCs/PPTCTs). On 28.02.2017 & 17.03.2017.

Manchanda V., Organised two NACO-BD CD4 Good Laboratory Practices (GLP) training programs for Laboratory Technicians of CD4 testing laboratories nominated by NACO on 01-02 August 2017 and on 03-04 August 2017.

Manchanda V., Organised “Satellite Workshop on HIV testing” under IAMM-Delhi Chapter on 7<sup>th</sup> December 2017.

Manchanda V., Organised training programs on Biomedical Waste Management for Senior Residents, Junior Residents and Technical staff of Maulana Azad Medical College, New Delhi.

Manchanda V., Workshop of Hospital infection prevention and control – Implementation strategies at MAMC and associated hospitals. November 2017.

### **Conference Presentation**

Kumar S., HISICON 2017, the IV National Conference of Hospital Infection Society - India, Gauhati Medical College and Hospital, Guwahati, Assam, from 9th to 11th Feb. 2017.

Kumar S., CME cum workshop on "Tackling Antimicrobial Resistance (AMR) in Clinical Practice", Department of Medical Microbiology & Antimicrobial Stewardship Committee PGIMER, Chandigarh, 28th, October, 2017 and Delhi Chapter, December 8-9, 2017

Kumar S., Microcon D-Con 2017, Annual conference, Indian Association of Medical Microbiologists,.

Manchanda V., Microscopy in infectious diseases- Recent advances in staining and techniques. MICRO-D-CON 2017, December 2017

Manchanda V., Moderator for session of pediatric infectious diseases- Pneumonia, meningitis and encephalitis, IAMM, MICROCON Nov. 2017

Manchanda V., Surveillance of antimicrobial resistance and antibiotic use , DSPRUD, Delhi, Nov. 2017

Manchanda V., Molecular diagnosis: heralding the end of 'culture' era. IAP NCPID, Bengaluru, Oct. 2017

Manchanda V., How to measure success of ASP? IAP NCPID, Bengaluru, Oct., 2017

Manchanda V., MDR microbes a Biothreat challenge: Prevention and management. Specialized training Course on CBRN emergency Management for Medical Officers, INMAS, Delhi, February, 2017, October 2017

Manchanda V., Influenza virus : The villain, National Consultative Meeting on Influenza Sept., 2017

Manchanda V., PK/PD for the beginners. PG Assembly, SGRH, Delhi, August 2017

Manchanda V., Diagnosis and management guidelines for Chikungunya in paediatric patients. IAP ID Chapter, Hyderabad, June 2017

Manchanda V., Infection Control Practices – Preventing patients from hospital acquired liabilities, Shroff's Quality Center, Delhi. May 2017

Manchanda V., Making a case for Injection Safety in India. HISICON 2017, Guwahati Medical College, Guwahati, February 2017

Manchanda V., Implementing SSI Prevention Program in India. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017

Manchanda V., Unresolved issues in BMW-2016. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017

Manchanda V., Bio-threats and Bioterrorism - Past to Future. Workshop on Biosecurity, Containment Strategies and Laboratory safety. HISICON 2017, Guwahati Medical College, Guwahati, Feb. 2017.

Gupta S, Manchanda V, Baveja CP, Sachdeva P. A study of incidence density and risk factors for surgical site infection (SSI) in lower segment caesarean section surgeries (LSCS) of tertiary care hospital of North India. IAMM Delhi , AIIMS, 2017.



Yadav A, Manchanda V, Faria Hasan F, PS Bhandari PS, Baveja CP. Impact of implementation of Levine technique for specimen collection from wounds in burns patients. IAMM Delhi , AIIMS, 2017.

Saigal K, Manchanda V, Deepika, Saikia D, Manoharan A and Balaji V. Childhood pneumococcal disease: Disease burden, Serotype distribution, Clinical outcome, Antimicrobial resistance profile for invasive pneumococcal strains with its impact on Vaccine introduction in Indian setup. IAMM Delhi , AIIMS, 2017.

#### **Other Inter-institutional collaborations**

Project in collaboration with IIT-Delhi.

#### **Students under exchange program**

Short term training was provided to several students of the courses B.Sc. (Biotechnology and Biomedical sciences), B. Tech (Biotechnology), MLT students from other institutions from University of Delhi and other Universities

#### **Extension and outreach activities**

Dr. C.P. Baveja & Dr. Rohit Chawla: The HIV laboratory has been identified as one of the laboratories by National AIDS Control Organization to conduct Dried Blood Spot (DBS) Testing as part of HIV and HCV Sentinel Surveillance. The undersigned supervised the testing of close to 7,000 samples, received from various sites in the Bihar, Uttarakhand & Madhya Pradesh, as part of HIV sentinel surveillance- 2017. The data generated by the laboratory would be used to estimate the burden of HIV infection in the country.

**Number of M.Phil/ Ph.D degrees awarded: 2 Ph.D**

**Faculty strength : 7**

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### **MICROBIOLOGY (UCMS)**

#### **Major Activities and Achievements**

The Department of Microbiology, UCMS & GTB Hospital conducted two IAMM – DC workshops and under the programme of NABH Safe I antibiotic policy was framed. Department of Microbiology conducted a Mycology PG training programme for all 3rd year post graduate students under Delhi University. During the year 2018 as a part student festival a Poster competition & Gender champion debate was held under ICC Sexual harassment Act March 2018 where many students participated and awardees received cash prize. Various Faculty members of the Department also attended NABH Safe I certification programme. The faculty was invited as speaker in various conferences and Senior Residents attended various workshops and training with special reference to Infection Control, Quality Management and Bio-Medical Waste Management.

#### **Awards/Honours**

Dr. N.P Singh President, IAMM-Delhi Chapter 2017

Dr. Rituparna Saha (MD Student): MAMC award for best oral presentation on ‘Glycopeptide resistance and virulence genes in Enterococcus spp causing UTI: A cause of concern,’ Micro-D-Con 2017.

Dr. Shukla Das, (MD student): Sanjay Sardana Memorial award for best paper on Immunology on Chronic dermatophytosis: Correlation of fungal virulence and host immunity, presented at IAMM –Dec 2017.

Dr. Bineeta Kashyap (Dr. Neha Gupta, MD Student): Best Free Poster Award for presenting “Clinical spectrum of pediatric tuberculosis: a microbiological correlation” in Indian Association of Medical Microbiologists–Delhi Chapter 9th Annual Conference (7th to 9th December 2017) at India Habitat Center, New Delhi, with the theme “Current trends in Microbiology: meeting the Challenges”, MICRO-D-CON 2017.

Dr. Aditi, presented with Mr. Satish Chandra Talwar Memorial Award for best published research paper at Micro-D-Con 2017.

#### **Publications**

Aditi, Shariff, M., & Beri, K. (2017). Exacerbation of bronchiectasis by *Pseudomonas monteilii*: A case report. *BMC Infect Dis.*, 17(1), 1-4.

- Aditi, Shariff, M., Chhabra, S.K., & Rahman, M.U. (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66(10), 1489-1498.
- Aggarwal, P., & Kashyap, B. (2017). A study to compare and classify etiological agents of onychomycosis. *INJMS*, 8,150-154.
- Dar, S.A., Rai, G., Ansari, M.A., Akhter, N., Gupta, N., Sharma, S., Haque, S., Ramachandran, V.G., Wahid, M., Rudramurthy, S.M., Chakrabarti, A., & Das, S. (2017). FcεR1α gene polymorphism shows association with high IgE and anti-FcεR1α in chronic rhinosinusitis with nasal polyposis. *J Cell Biochem*, 119(5), 4142-4149.
- Das, S., Pandhi, D., Rai, G., Ansari, M.A., Gupta, C., Haque, S., & Dar, S.A. (2017). Challenges in culture-negative cases of madurellamycetomatis: A case report re-accentuating PCR as an essential diagnostic tool. *J Mycol Med*, 27(4), 577-581.
- Goyal, N., Kashyap, B., Singh, N.P., Kaur, I.R. (2017). Comparative diagnostic utility of neopterin and IFN-γ/IL-2 in extrapulmonary tuberculosis. *Indian J ClinBiochem*, 32(4), 453-458.
- Goyal, N., Kashyap, B., Singh, N.P., & Kaur, I.R. (2017). Neopterin and oxidative stress markers in the diagnosis of extrapulmonary tuberculosis. *Biomarkers*, 22(7), 648-653.
- Gupta, P., Narang, M., Gomber, S., & Saha, R. (2017). Effect of quinine and artesunate combination therapy on platelet count of children with severe malaria. *PaediatrInt Child Health*, 37(2), 139-143.
- Jain, A.K., Jaggi, K.R., Bhayana, H., & Saha, R. (2018). Drug-resistant spinal tuberculosis. *Indian JOrthop*, 52, 100-107.
- Jain, C., Das, S., Rumpa, S., Ramachandran, V.G., Bhattacharya S.N., & Sajad Dar, S. (2017). Detection of phospholipase production by EGG Yolk-Agar in *Malassezia* isolates from diseased and healthy human host. *IJMSPH*, 6(5), 1-4.
- Jain, C., Das, S., Saha, R., Ramachandran, V.G., Bhattacharya, S.N., & Dar, S. (2017). *Malassezia* yeast and cytokine gene polymorphism in atopic dermatitis. *J Clin Diagn Res*, 11(3), DC01-DC05.
- Jain, S., Arora, S., Saha, S., & Kaur, I. R. (2017). *Serratia plymuthica*: A community-acquired uropathogen. *Indian J Med Sci*, 69(1), 31-32.
- Jakhar, S.K., Pandey, M., Shah, D., Ramachandran, V.G., Saha, R., Gupta, N., & Gupta, P. (2018). Etiology and risk factors determining poor outcome of severe pneumonia in under-five children. *Indian J Peadtr*, 85(1), 20-24.
- Jamir, S.T., Rumpa, S., Ramachandran, V.G., Shukla, D., Pooja. D., & Shah D. (2017) Conventional and copro-antigen detection methods in the diagnosis of intestinal campylobacteriosis in children. *BAOJ Gastro*. 1, 002.
- Kashyap, B., Das, S., Sagar, T., & Gupta, K. (2017). Current scenario of geriatric fungal infections: A prevalence study from a tertiary care hospital. *J Indian Academy Geriatrics*, 13,156-161.
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- Kashyap, B., Goyal, N., Singh, N.P., & Kaur, I.R. (2017). Diagnostic potential of circulating biomarkers in adenosine deaminase diagnosed pleural tuberculosis cases. *Ind J ClinBiochem*, 33(3), 334–340.
- Kashyap, B., Gupta, K., Gomber, S., Gupta, N., Bhardwaj, A., Singh, N.P., & Kumar, A. (2017) Hand hygiene compliance among health care workers in pediatric oncology ward of a tertiary care hospital: a cross sectional observational study. *INJMS*, 8, 197-199.
- Kashyap, B., Tiwari, U., & Prakash, A. (2018). Hepatitis B virus transmission and health care workers: epidemiology, pathogenesis, and diagnosis. *Indian J Medical Specialties*, 9(1), 30-35.
- Kaur, I.R., Kashyap, B., Goel, N., Avasthi, R., Vaid, N., Arora, V., & Singh, N.P. (2017). Utility of PCR targeting IS6110 and MPT64 genes in the diagnosis of extrapulmonary tuberculosis. *INJMS*, 8, 139-145.
- Kaushik, S., Saha, R., Das, S., Ramachandran, V., & Goel, A. (2017). Pragmatic combination of available diagnostic tools for optimal detection of intestinal microsporidia. In: *Advances in Experimental Medicine and Biology. Advances in Micribiology Infectious disease and public Health*, 1057, 85-94.

- Kumar, A., Kashyap, B., & Mehndiratta, A. (2017). Comparison of conventional and rapid methods for the detection of methicillin resistance in *Staphylococcus aureus* from blood cultures. *Trop J Med Res*, 20, 196-200.
- Kumar, A., Roy, P., Rai, G., Das, S., & Ansari, M.A. (2017). *Cyberlindnera fabianii* and *Wickerhamomyces anomalus* fungemia in newborns: An experience from a north Indian tertiary-care center. *INJMS*, 8(3), 131-133.
- Nirmal, K., Saha, R., Das, S., Ramachandran, V.G., & Bhattacharya, S.N. (2017). Prevalence of sexually transmitted infections among attendees of a tertiary health facility in north India: a hospital based study. *Int J Clin Diag Res*, 5(6), 2395-3403.
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- Nirmal, K., Saha, R., Ramachandran, V.G., Bhattacharya, S.N., Shukla, D., & Mogha, N. S. (2017). Multiple acquisitions of STIs: invitations to clinical care and summons to intangibles in laboratory diagnosis. *J Biomed Sci.*, 3(1), 3-10.
- Rai, G., Ansari, M.A., Dar, S.A., Datt, S., Gupta, N., Sharma, S., ... Das, S. (2018). Serum cytokine profile in patients with chronic rhinosinusitis with nasal polypoid infection by *Aspergillus flavus*. *Ann. Lab. Med.*, 38(2), 125-131.
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- Rai, G., Roy, P., Gupta, N., Sharma, S., Dar, S.A., Ansari, M.A., ... Das, S. (2017). Computed Tomography Score an Excellent Marker: Differentiates Eosinophilic and Non-eosinophilic Variants of Chronic Rhinosinusitis with Nasal Polyp. *Indian J Otolaryngol Head Neck Surg*, <https://doi.org/10.1007/s12070-017-1154-x>
- Roy, P., Das, S., Sharma, S., Girotra, V., Gupta, N., Saha, R., & Kaur, R. (2017). Revisiting the utility of histopathological examination of biopsy: A necessity in microbiology. *J Clin Diagn Res.*, 11(5), 6-18.
- Saha, R. (2017). Editorial: The confrontation of fungal sepsis in neonates. *Indian Pediatr*, 54, 542-543.
- Saha, R., Agarawal, S., & Khan, A.M. (2017). Air sampling procedures to evaluate microbial contamination: a comparison between active and passive methods at high risk areas in a tertiary care hospital at East Delhi. *J Patient Saf Infect Control*, 5(1), 18-23.
- Saha, R., Kaushik, S., Gupta, K., & Das, S. (2017). Human infection with *Hymenolepis diminuta*: first case report from north India. *J Gastrointest Infect*, 7(1), 36-37.
- Saha, R., Rani, M., Das, S., Sharma, A.K., & Kaur, I.R. (2017). Role of the facilitator in post graduate training programme: students' perspectives. *J Education Technol Health ci*, 4(1), 14-17.
- Saha, R., Roy, P., Das, S., Chatterjee, R., Kaushik, S., Ahir, M., Khan A.M., Ramachandran, V.G., & Mogha, N.S. (2017). Needle stick injury and health care workers: exposure and aftermath. *J Communicable Dis.*, 49(1), 14-20.
- Saha, R., Singal, A., Kaushik, S., & Das, S. (2017). Pentatrichomonas hominis in an immunosuppressed patient with enteric manifestations. *East J Med Sci.*, 2(2), 37-38.
- Singh, M., Singh, & A.K. (2017). Knowledge, attitude, practice study on awareness of antibiotic stewardship among health care professionals in a tertiary care hospital in Delhi. *Int J Curr Microbiol*, 6(7), 238-245.
- Singh, N.P., Choudhary, D.D., Gupta, K., Rai S, Batra, P., Manchanda, V., Saha, R., & Kaur, I.R. (2018). Predictors for gut colonization of Carbapenem-resistant Enterobacteriaceae in neonatal intensive care unit. *Am J Infect Control*, 46, e31-e35.
- Singh, N.P., Rani, M., Gupta, K., Sagar, T., & Kaur, I.R. (2017). Changing trends in antimicrobial susceptibility pattern of bacterial isolates in a burn unit. *Burns*, 43, 1083-1087.
- Singh, T., Das, S., Ramachandran, V.G., Wani, S., Shah, D., Khan, A., Maroof, K.A., & Sharma, A. (2017). Distribution of integrons and phylogenetic groups among enteropathogenic *Escherichia coli* isolates from children. *Front Microbiol*. 8(561), 1-13.

## **Journals**

Dr. Shukla Das, Member Editorial Board; Indian Journal of Medical Specialty

Dr. Shukla Das, Member Editorial Board; Journal of Communicable Diseases.

Dr. Rumpa, Member Editorial Board; Eastern Journal of Medical Sciences

Dr. Rumpa, Member Editorial Board; Journal of Gastrointestinal Infections,

## **Research Projects**

Dr. Shukla Das, DBT, 2017-2020, "Investigation of mechanisms of emerging drug resistance in *Trichophyton* sp., the major causative agents of fungal skin infections", 20 Lacs.

Dr. Shukla Das, DBT, Completed 2017, Epidemiology, pathogenomics, and system biology of *A. flavus* infections in India - an integrative approach, 37 Lacs.

Dr. Shukla Das, DBT, Completed 2017, Antifungal susceptibility testing and genotyping of clinically isolated *Cryptococcus* strains from Delhi and other parts of India, 15 Lacs.

Dr. Shukla Das, DST, Completed 2017, Th17 and Treg cell differentiation and their in-vitro functional responses in *Pemphigus vulgaris*", 50 Lacs.

## **Seminars organised**

Dr Urmi Bajpai, Associate Prof. Deptt of Biomedical Sciences, Acharya Narendra Dev College, University of Delhi, National Immunology Day, Delhi Chapter, on 3rd May 2018

## **Conference organised**

Workshop on "Microscopic techniques in microbiology", UCMS & GTBH, Delhi, , under IAMM – DC. Oct. 2017.

Workshop on "Antibiotic Stewardship"; UCMS & GTBH, Delhi, under IAMM – DC. Dec. 2017.

9th Annual conference of IAMM-DC, Delhi, Micro-D-Con. Dec. 2017

## **Seminar/Conference presentations**

Dr. NP Singh, Chairperson and Judge at UP-UK chapter of IATP, GMC Haldwani. May 2017

Dr. NP Singh, President, Chapter meets of Delhi Chapter of IAMM-DC 2017.

Dr. NP Singh, Speaker on Antimicrobial Stewardship at workshop, UCMS & GTBH. Oct. 2017

Dr. NP Singh, Judge for KB Sharma Junior Best Speaker Award at 41st Annual conference- IAMM/Microcon 2017, RIMS, Ranchi

Dr. NP Singh, 9th Annual conference of IAMM-DC (Micro-D-Con Dec 2017)

Dr. NP Singh, Talk on Role of Microscopy as POC testing at IAMM-DC CME, IHC Delhi. Dec 2017

Dr. NP Singh, Chairperson at UP MICROCON 2018, 14th Annual Conference of UP & UK Chapter of IAMM, AMU

Aligarh. Feb. 2-3 2018

Dr. Shukla Das, Panel discussion at DAAS Summit, July 3<sup>rd</sup>, 2017.

Dr. Shukla Das, Speaker on "Antifungal susceptibility for dermatophyte is necessary for recalcitrant tinea, PGIMER Chandigarh. Sept. 2nd-3rd, 2017

Dr. Shukla Das, Gender sensitization of MBBS UG students, UCMS, Delhi. Sept. 8, 2017

Dr. Shukla Das, Speaker at GCCON, AIIMS Raipur. Sept. 16-17, 2017

Dr. Shukla Das, Talk on Blood culture in septicemia –clinical relevance at AAP Delhi, Sept. 24, 2017.

Dr. Shukla Das, Speaker at PATHCON on "Microscopy of body fluids", Delhi Nov. 2017.

Dr. Shukla Das, Gender sensitization of nursing students, UCMS, Delhi. Nov. 2017

Dr. Shukla Das, Chairperson at IAMM-DC on emerging fungal infection, IHC Delhi. Dec. 2017.

Dr. Shukla Das, Speaker at SIHAM on “Mucorales and diabetes- a complex interplay”, Bengaluru. 14<sup>th</sup> March, 2018

Dr. Rumpa Saha, Talk on “Role of MIC in better patient care” at UP MICROCON 2018, 14th Annual Conference of UP & UK Chapter of IAMM, AMU Aligarh. Feb. 2nd-3rd, 2018.

Dr. Rumpa Saha, Talk on “Polymyxin - new lessons on an old antibiotic” at ICCMID Course, 14th Annual Conference of Indian Society of Critical Care Medicine, Delhi. Sept. 1st, 2017.

Dr. Bineeta Kashyap, 3rd International Conference of Consortium of Accredited Health Care Organization (CAHOCON 2017) with the theme “Monitor, Measure and Improve” at New Delhi. April 14th-15th, 2017.

Dr. Bineeta Kashyap, 4th International Sepsis Congress 2017 APCC Critical Care Academy, an International conference on Management of Infections in Critically ill, Infection Control & Tropical Infections, at Delhi. Oct. 27th - 28th 2017.

#### **Other Inter-Institutional Collaboration**

Collaboration with IGIB, Delhi for DBT project “Investigation of mechanisms of emerging drug resistance in Trichophyton sp., the major causative agents of fungal skin infections”.

#### **Extension and outreach activities**

Imparted training to lab technicians of attached ICTC to our SRL HIV laboratory.

Training for technicians from other hospitals on Microscopic techniques in microbiology in Oct. 2017

Conducted a Mycology PG training programme for all 3rd year post graduate students under Delhi University, Jan 2018.

#### **Number of M.Phil/Ph.D degrees awarded**

Ph.D – 01

#### **Faculty Strength – 05**

#### **Other significant Information**

Dr. N.P. Singh, Executive Member, IAMM (National body)

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### **MICROBIOLOGY (VPCI)**

#### **Major Activities and Achievements**

Department of Microbiology at VP Chest Institute is actively involved in diagnostics, teaching and research. A number of diagnostics pertaining to Bacteriology, Anaerobic bacteriology, Mycobacteriology, Virology & Mycology are being carried out. Higher end facilities like gene-expert, MGIT, Gene sequencer and MALDI-TOFF are available for identifying the pathogens. Research in drug resistance profiling and molecular characterization and typing of bacterial pathogens including M. tuberculosis isolates, Ethambutol resistance mechanisms, role of efflux pumps in drug resistance of M. tuberculosis, newer diagnostic techniques are actively pursued. Study on drug resistance to various fungal pathogens and the Environmental fungi were also studied. Virology is actively involved in influenza virus diagnostics and viral research. Major focus of laboratory is antiviral research and Vaccines development against influenza and chikungunya virus. About 3747 (Bacteriology), 973 (Serology), 91 (Anaerobic), 10,000 (Mycobacteriology), 4906 (Mycology), 76 (Virology) clinical specimens were processed in the routine diagnostic laboratory.

#### **Honours/Distinctions**

Dr. Mandira Varma Basil:

Astha Giri ( PhD student), Best free poster award for Title: Mutations in Rv3805c (aftB): A probable cause of high-level ethambutol resistance in clinical isolates of Mycobacterium tuberculosis

Travel Award, 38th Annual Congress of European Society of Mycobacteriology, Funding Agency: By the Organisers of Conference, Sibenik, Croatia

ICMR Travel Award: Poster presentation" Rv0089: Does it Have a Role in Growth and Pathogenesis of M. tuberculosis?, Federation of European Microbiological Society, Valencia, Spain, July 9th-13th, 2017

Dr. Madhu Khanna

Travel Award (Registration & Accommodation) for 5th ISIRV-AVG, Shanghai, China Conference . June 14th-16<sup>th</sup>, 2017.

ESCMID observership at University Medical Center Groningen (UMCG), Groningen, Netherlands. Nov. 20th-27th, 2017.

Dr. Anuradha Chowdhary

Dr Y. S. Narayana Rao Oration Award for sustained research in Microbiology, 2017.

Women Achiever Award in health care at International women's week, Amity University, Noida, March 5th-9th, 2018.

## Publications

Aditi, Shariff, M., & Beri, K. (2017). Exacerbation of bronchiectasis by *Pseudomonas monteilii*: a case report. *BMC Infectious diseases*, 17(511), [https://DOI 10.1186/s12879-017-2600-9](https://doi.org/10.1186/s12879-017-2600-9).

Aditi, Shariff, M., Chhabra, S.K., & Rahman, M., (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66, 1489-1498.

Arendrup, M. C., Prakash, A., Meletiadis, J., Sharma, C., & Chowdhary, A. (2017). Comparison of EUCAST and CLSI reference microdilution MICs of eight antifungal compounds for *Candida auris* and associated tentative epidemiological cutoff values. *AAC*, 61(6), e00485-17.

Ashu, E.E., Hagen, F., Chowdhary, A., Meis, J.F., & Xu, J. (2017). Global population genetic analysis of *Aspergillus fumigatus*. *MSphere*, 2(1), e00019-17.

Chaudhary, J., Shariff, & M., Deb. (2017). Evaluation of polymerase chain reaction for direct detection of *Streptococcus pneumoniae* in clinical samples and antimicrobial susceptibility of the isolates. *IJRHS*, 5(4), 43-48.

Chaudhry, R., Valavane, A., Sreenath, K., Choudhary, M., Sagar, T., Shende, T., ... Thakur, B. (2017). Detection of mycoplasma pneumoniae and legionella pneumophila in patients having community-acquired pneumonia: a metacentric study from New Delhi, India. *Am J Trop Med Hyg*, 97(6), 1710-1716.

Chowdhary, A., Hagen, F., Sharma, C., Al-Hatmi, A.M.S., Giuffrè, L., Giosa, D., ... Romeo, O. (2017). Whole genome-based amplified fragment length polymorphism analysis reveals genetic diversity in *Candida africana*. *Front Microbiol*, 8, 556.

Chowdhary, A., & Meis, J.F. (2018). Emergence of azole resistant *Aspergillus fumigatus* and one Health: time to implement environmental stewardship. *Environ Microbiol*. 20, 1299-1301.

Chowdhary, A., Prakash, A., Vaezi, A., Dannaoui, E., Meis, J.F., & Badali, H. (2017). *In-vitro* interactions of echinocandins with triazoles against multidrug-resistant *Candida auris*. *Antimicrob Agents Chemother*, 61, e01056-17.

Chowdhary, A., Sharma, C., & Meis, J.F. (2017). Azole-resistant Aspergillosis: epidemiology, molecular mechanisms, and treatment. *J Infect Dis*. 216, S436-S444.

Chowdhary, A., Sharma, C., & Meis, J.F. (2017). *Candida auris*: A rapidly emerging cause of hospital-acquired multidrug-resistant fungal infections globally. *PLOS one*, 13(5), e1006290.

Defosse, T.A., Le Govic, Y., Vandeputte, P., Courdavault, V., Clastre, M., Bouchara, J.P., ... Papon, N. (2018). A synthetic construct for genetic engineering of the emerging pathogenic yeast. *Candida auris*. *Plasmid*, 95, 7-10.

Espinel-Ingroff, A., Abreu, D.P.B., Almeida-Paes, R., Brilhante, R.S.N., Chakrabarti, A., Chowdhary, A., ... Turnidge, J. (2017). Multicenter, international study of MIC/MEC distributions for definition of epidemiological cutoff values for *Sporothrix* species identified by molecular methods. *Antimicrob Agents Chemother*, 61(10), e01057-17.

Espinel-Ingroff, A., Turnidge, J., Alastruey-Izquierdo, A., Dannaoui, E., Garcia-Effron, G., Guinea, J., Kidd, S., Pelaez, T., ... Tortorano, A.M. (2018). Posaconazole MIC distributions for *Aspergillus fumigatus* species complex by four methods: Impact of *cyp51a* mutations on estimation of epidemiological cutoff values. *Antimicrob Agents Chemother*. 62(4), e01916-17.

- Giri, A., Gupta, S., Safi, H., Narang, A., Shrivastava, K., Sharma, N. K.,...Varma-Basil, M. (2018). Polymorphisms in Rv3806c (ubiA) and the upstream region of embA in relation to ethambutol resistance in clinical isolates of Mycobacterium tuberculosis from North India. *Tuberculosis (Edinb)*, 108, 41-46.
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- Sharma, C., Kumar, R., Kumar, N., Masih, A., Gupta, D., & Chowdhary, A., (2018). Investigation of multiple resistance mechanisms in voriconazole-resistant Aspergillus flavus clinical isolates from a chest hospital surveillance in Delhi, India. *Antimicrob Agents Chemother*, 62(3), e01928-17.
- Singh, A., Masih, A., Khurana, A., Singh, P.K., Gupta, M., Hagen, F., Meis, J.F., & Chowdhary, A.(2018) High terbinafine resistance in Trichophyton interdigital isolates in Delhi, India harboring mutations in the squalene epoxidase gene. *Mycoses*, 61(7):477-484.
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- Srivastava, S., Bimal, D., Bohra, K., Singh, B., Ponnann, P., Jain, R., ... Prasad, A. K. (2018). Synthesis and antimycobacterial activity of 1-(β-d-Ribofuranosyl)-4-coumarinyloxymethyl-/coumarinyl-1, 2, 3-triazole. *Eur J Med Chem*, 25, 268-281.
- Tyagi, G., Singh, P., Varma-Basil, M., & Bose, M. (2017). Role of Vitamins B, C, and D in the fight against tuberculosis. *Int J Mycobacteriol*. 6(4), 328-332.
- Varma-Basil, M., & Nair, D. (2017). Molecular epidemiology of tuberculosis. Opportunities & challenges in disease control. *Indian J Med Res.*, 146(1), 11-14.
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## Journals

Dr. Anuradha Chowdhary, Member Editorial Board, Journal of Clinical Microbiology

Dr. Anuradha Chowdhary, Editor, mBio, American Society of Microbiology

Dr. Anuradha Chowdhary, Editor, Medical Mycology, International Society of Human & Animal Mycology, ISHAM

Dr. Anuradha Chowdhary, Member Editorial Board, Journal of Hospital Infection

### **Research Projects**

Dr. Malini Shariff, ICMR, 2017-2020, "Isolation and Characterization of Anaerobic Bacteria causing Lower Respiratory Tract Infections in Patients attending VP Chest Institute, Delhi".

Dr. Mandira Varma, ICMR, 2014-2017, "Phenotypic and Genotypic Indicators of drug resistant tuberculosis: Can they be used as early warning systems for MDR and XDR tuberculosis?"

Dr. Mandira Varma, DST and CSIR, 2014-2017, "Point of care diagnostic assay for tuberculosis"

Dr. Madhu Khanna, AYUSH, 2014-2019, "Evaluation of antiviral activity of medicinal plants against influenza A virus", 25.23 Lakhs

Dr. Madhu Khanna, DST-SERB, 2016-2019, "Aptamer-mRNA Chimera-The Next Generation RNA Vaccine", 39 Lakhs

Dr. Anuradha Chowdhary, ICMR, 2017-2020, "Multilocus microsatellite typing and antifungal profile of clinical *Cryptococcus neoformans* species complex isolated from patients of cryptococcosis".

### **Conferences organised**

Dr. Madhu Khanna, 12-13 October 2017, National Workshop on "Advancement in Immunology Society" Department of Microbiology, VPCI, Delhi.

### **Seminars/Conferences presentation**

Prof. Madhu Khanna, Talk on Suramin, A potent ameliorating agent to inhibit influenza A virus replication at ISIRV Antiviral Group, 5th isirv-AVG Conference Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions, Shanghai, China. June 14th-16th, 2017,

Prof. Madhu Khanna (Mrs. Nishtha Agarwal), Poster presentation on Profile of antibody responses and duration of protection against seasonal influenza following vaccination of the elderly in India at ISIRV Antiviral Group, 5th isirv-AVG Conference Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions. ,Shanghai, China June 14th-16th, 2017,

Dr. Anuradha Chowdhary, Poster presentation on "Multigene phylogeny and matrix-assisted laser desorption ionization time-of-flight mass spectrometry identification of indian clinical isolates of *Pseudallescheria/Scedosporium* Spp. complex and their susceptibility patterns at ASM Microbe, New Orleans, USA. June 1st-5th, 2017

Dr. Anuradha Chowdhary, Poster presentation on "In vitro activity of the new azole luliconazole and eleven other antifungal drugs against molecularly characterized clinical *Fusarium* isolates" at ASM Microbe, New Orleans, USA. June 1st-5th, 2017.

Dr. Anuradha Chowdhary, Talk on "Candida auris: from ear colonisation to fungemia" at 8th Trends in Medical Mycology, Belgrade, Serbia. Oct. 6th-9th, 2017

Dr. Anuradha Chowdhary, Talk on "Global epidemiology of azole resistance in *Aspergillus*" at 8th Advances Against *Aspergillus*, Lisbon, Portugal. Feb. 1st-3rd, 2018

Dr. Anuradha Chowdhary, Poster presentation on "Multiple resistance mechanisms in both clinical and environmental azole resistant *Aspergillus fumigatus* isolates in India", at 8th Advances Against *Aspergillus*, Lisbon, Portugal. Feb. 1st-3rd, 2018.

Dr. Malini Shariff: Chairperson in 4th Biennial Conference of PAi and International Symposium on "Probiotic Therapy: Translating to Health and Clinical Practice" at AIIMS, New Delhi, India. Feb. 16th -17th, 2018

Dr. Malini Shariff: IAMM Delhi Cpt CME on "Microscopy to Microarray: Reducing time to diagnosis", India Habitat Centre. Dec. 8th, 2017

### **Inter-institutional collaboration**

Dr. Anant Mohan, AIIMS

Dr. AC Banerjee, NII



**Number of PhD/M.Phil Awarded: 1**

**Faculty strength: 4**

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## NEONATOLOGY (LHMC)

### Honours. Awards

Datta V, President of NQOCN, India

### Publications

Datta, B. V., Kumar, A., & Yadav, R. (2017). A randomized controlled trial to evaluate the role of brief delay in cord clamping in preterm neonates (34–36 weeks) on Short-term Neurobehavioral Outcome. *Journal of tropical pediatrics*, 63(6), 418-424.

Datta, V., Saili, A., Goel, S., Sooden, A., Singh, M., Vaid, S., & Livesley, N. (2017). Reducing hypothermia in newborns admitted to a neonatal care unit in a large academic hospital in New Delhi, India. *BMJ Open Qual*, 6(2), e000183.

Datta, V. (2017). Therapeutic hypothermia for birth asphyxia in neonates. *The Indian Journal of Pediatrics*, 84(3), 219-226.

Dubey, B., Choudhary, A., Nangia, S., Sharma, S., Kumar, M. (2017). Effect of timing of umbilical cord clamping on neuro-developmental outcomes at 6-8 weeks of life in healthy term neonates. *Ind J Trauma Em Ped*, 9(1), 9-14.

Goel, A., & Nangia, S. (2017). Meconium aspiration syndrome: challenges and solutions. *Research and Reports in Neonatology*, 7, 19-28.

Kumari, S., Datta, V., & Rehan, H. (2017). Comparison of the efficacy of oral 25% glucose with oral 24% sucrose for pain relief during heel lance in preterm neonates: a double blind randomized controlled trial. *Journal of tropical pediatrics*, 63(1), 30-35.

Nanda, D., Thukral, A., & Nangia, S. (2017). Case 1: Intramuscular Hematoma in a Neonate in the Nursery. *NeoReviews*, 18(4), e240-e242.

Nanda, D., Bandiya, P., Nangia, S., Berry-Kravis, E. (2017). Unexplained Hypercarbia in a Neonate in the Neonatal Intensive Care Unit. *Neo Rev* 11, e668-e670.

Nangia, S., Bishnoi, A., Goel, A., Mandal, P., Tiwari, S., & Saili, A. (2017). Early total enteral feeding in stable very low birth weight infants: A before and after study. *Journal of tropical pediatrics*, 64(1), 24-30.

Nangia, S. (2017). Reply to Letter: Endotracheal suctioning for meconium stained babies. *Resuscitation*, 113, e19.

National Human Milk Bank Guidelines. (2017) - Operational Guide for Human Milk banking and Lactation Management, *LHMC*, 1-32.

Neogi, S. B., Singh, S., Pallepogula, D. R., Pant, H., Kolli, S. R., Bharti, P., ... & Kinra, S. (2017). Risk factors for orofacial clefts in India: A case-control study. *Birth defects research*, 109(16), 1284-1291.

Patel, J. N., Kumar, A., Yadav, P. S., Chadha, R., Datta, V., & Choudhury, S. R. (2018). The position of the anal dimple in newborns and infants with anorectal malformations and its correlation with the normal anal position. *Journal of pediatric surgery*, 53(8), 1560-1565.

### Journals

Datta V, Member Editorial Board, Indian Journal of Pediatrics

Dubey B, Member Editorial Board, Indian Journal of Trauma & Emergency Pediatrics.

Dubey B, Member Editorial Board, Pediatric Education & Research

### Research Projects

Nangia S, DBT-Wellcome Trust, 2017, "Evaluating the efficacy and safety of an innovative and affordable Goat Lung Surfactant for the treatment of respiratory distress syndrome in preterm neonates: a multi-site randomized clinical trial" Rs. 1,00,00,000/-

Nangia S, MoHFW, Govt. of India, "National Collaborative Centre for Facility Based Newborn Care "

### **Seminar/Conferences organised**

Dubey B., Recent advances in neonatal sepsis in association with KSCH at SJ Auditorium, LHMC, Delhi. Feb. 26th, 2017.

Dubey B., Quality improvement strategies for optimizing neonatal health care delivery in association with USAID and KSCH at KSCH. March 5th, 2017.

Dubey B., Comparing methods for assigning cause of death by verbal autopsy in association with ICMR at KSCH. Feb. 2nd, 2017.

Dubey B., Symposium on CHD (Patent Ductus Arteriosus) in association with Department of Pediatrics at LT, KSCH. March 25th, 2017.

Dubey B., Quality improvement strategies for optimizing neonatal health care delivery for mentors in association with QI CELL KSCH at LT, KSCH. Oct. 28th-29th, 2017.

Datta V., Presentation in "QI Workshop" at Pedicon, Nagpur, 2018.

Nangia S., Saili A., National Human Milk Bank Opening at SJ auditorium & Human Milk Bank, Department of Neonatology, LHMC. June 7<sup>th</sup>, 2017.

Nangia S., FBNC training at Jammu medical college, NHM & UNICEF. Jan. 27-30, 2018.

Nangia S., NSSK module finalization consultation at SIHFW, NCC-NIPI-MoHFW, Jan 19-20, 2018.

Nangia S., FBNC training at VABH, NHM & UNICEF, UP, 28 Feb-3Mar, 2018; 24 Mar-27 Mar 2018; 5 May-8 May 2017; 22 Sept-24 Sept 2017; 9 Oct-12 Oct 2017; 3 Nov-6 Nov 2017.

Nangia S., Breast feeding seminar EBM & Human milk bank at KSCH, Department of Neonatology, LHMC. August 2<sup>nd</sup>, 2017.

Datta V., Workshop on "Nurse Mentor QI workshop". Oct. 28<sup>th</sup>-29<sup>th</sup>, 2017.

Datta V., Conference on "Coaching Tool for QI Coaches". Nov. 10<sup>th</sup>, 2017.

Datta V., Conference on "Forum of QI Facilities across India". Dec 17<sup>th</sup>-18<sup>th</sup>, 2017.

### **Seminar/Conference Presentations**

Nangia S., Invited as Expert on National Child Health Review cum Workshop 2017 at Ashoka, New Delhi, Child Health Division, MoHFW, GOI. Oct. 10th-11th, 2017.

Nangia S., Invited as Expert on National Consultation on Still birth surveillance at Hyatt Regency, New Delhi, Child Health Division, MoHFW, GOI. July 21<sup>st</sup>-22<sup>nd</sup>, 2017.

Nangia S., Invited as Expert on Development of Advanced Skill lab module at Aerocity, Delhi, Maternal Health Division, MoHFW, GOI. April 12<sup>th</sup>, 2017.

Nangia S., Partners collaborative meeting held at Bangkok, Thailand, FK Norway. Feb. 5<sup>th</sup>-10<sup>th</sup>, 2018.

Nangia S., Pediatric Academic Societies held at San Francisco, USA, Pediatric Academic Societies, USA. May 5<sup>th</sup>-8<sup>th</sup>, 2017.

Nangia S., KMC Acceleration Partnership Community of Practice: Africa Regional Workshop held at Blantyre Malawi, Africa, Save the Children & USAID. Oct. 24<sup>th</sup>-26<sup>th</sup>, 2017.

### **National/International MoUs signed**

Nangia S., MoU with Oslo University Hospital, Oslo, Norway and Lady Hardinge Medical College, New Delhi, India

### **Student under exchange programme**

Nurses and Residents (4 per year) on exchange programme to Oslo University Hospital, Oslo, Norway

### **Other significant information**

Inauguration of National Human Milk Bank at LHMC, June, 2017

Inauguration/opening of Milk kitchens at SSKH & KSCH, Nov. 2017

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## OBSTETRICS & GYNAECOLOGY (UCMS)

### Major activities and achievements

Department of Obstetrics & Gynecology, UCMS & GTB Hospital is academically active despite heavy clinical load of running a 325 bedded department with a daily OPD attendance of 500-600 patients and delivery rate close to 20,000 per year. Despite this, the department has to its credit several publications in peer reviewed indexed journals. The department is actively involved in National programmes namely JSY, JSSK, Thalassaemia screening programme, PPTCT, PMSMY, LaQshaya and CAB. It regularly holds CMEs & Workshops for updating knowledge and skills of gynecologists. This year the office of AOGD was held by our Department and numerous academic and social activities were held under its banner. Faculty and residents have received several awards and prizes in various national conferences for best paper and poster presentations. The prestigious R.D. Pandit award for best thesis writing in Obstetrics and Gynaecology (awarded by FOGSI) has been won consecutively fifteen times by this department including year 2017–18.

### Honours/Distinctions

Guleria K, Awarded Fellowship of Indian College of Obstetrics & Gynecology- FICOG at 61st All India Congress of Obstetrics & Gynaecology, Bhubaneswar, Odisha. Jan. 17<sup>th</sup>-21<sup>st</sup>, 2018.

Guleria K., Co-author (Dr Kumari Anukriti) - Gold Medal, First prize Theme papers at National “BOH- the Trilogy” FOGSI-AOGD conference. Aug. 19<sup>th</sup>-20<sup>th</sup>, 2017.

Guleria K., Co-author (Dr Saloni) – Dr Neera Aggarwal Gold Medal, First prize Theme papers at 39th Annual AOGD conference, IHC New Delhi. Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Gupta B., Corion award Junior category by FOGSI for paper titled: “Evaluation of biomarkers p16<sup>ink4a</sup>/ki-67 in cervical cytology for diagnosis of cervical intraepithelial neoplasia”. at 61<sup>st</sup> AICOG Bhubaneswar. Jan. 17<sup>th</sup>-21<sup>st</sup>, 2018.

Gupta B., First prize for best paper in the Young Gyne oncologist category for paper titled: “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women” at Regional meeting of AGOICON, Aug. 2018.

Sandhya J., Gold Medal Best research presentation, Co-author (Dr Neetu Chaudhary) Effect of Yoga Therapy on 'Perceived Stress score' in low risk pregnancy: A randomized Controlled Trial at AOGD Conference 2017. Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Shalini R., Co-author (Dr Megha Singhania) Silver medal presented in the competition paper category titled “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women”, at Annual conference of AOGD, New Delhi. Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Sharma R., Awarded Dr. Suneeta Mittal's Gold Medal on Population Stabilization, 18-19<sup>th</sup> Nov., 2017

Sharma R., Awarded Late Dr. Pravin Mehta Training FOGSI Fellowship in Laparoscopy Award 2017 at 61<sup>st</sup> All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar. Jan. 17<sup>th</sup>-21<sup>st</sup>, 2018.

Sharma R., Awarded FOGSI – Imaging Science Award 2017. “Evaluation of Myometrial thickness at different gestations for prediction of labour in Preterm premature rupture of membranes” at 61st All India Congress of Obstetricians and Gynaecologist (AICOG), Bhubhneswar, 17-21 Jan., 2018.

Singh A., Silver Medal (Dr. Ganguli theme topic prize at 24th Annual Conference of NARCHI, New Delhi for “Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcomes”. Oct. 29<sup>th</sup>-30<sup>th</sup>, 2017.

Singh A., Bronze Medal (Dr. Ganguli theme topic prize) as a co-author at 24th Annual Conference of NARCHI, New Delhi for, “To assess the role of VEGF and PIGF in threatened abortion cases :a case control study”. 29-30 Oct., 2017

Singh A., Gold Medal for Best Poster at 39th Annual conference of Association of Obstetrician and Gynaecologist of Delhi for “Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcome”. Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

### Publications

Agarwal, R., Shruthi, R., Radhakrishnan, G., & Singh, A. (2017). Evaluation of dehydroepiandrosterone supplementation on diminished ovarian reserve: a randomized, double-blinded, placebo-controlled study. *The Journal of Obstetrics and Gynecology of India*, 67(2), 137-142.

Bhartiya, V., Singh, A., Chauhan, D., & Srivastava, H. Diagnostic Dilemma and Challenges in Management in a Case of Immune Thrombocytopenic Purpura in Pregnancy and Review of Literature. *Int J Sci Stud*, 5(11), 173-175.

Chawla, S., Jain, S., Kaur, L., Gupta, B., Rajaram, S., & Goel, N. (2017). Giant Fibroepithelial Polyp: A Rare Tumour of Vulva. *Indian Journal of Gynecologic Oncology*, 15(2), 27.

Guleria, K., Singh, A., & Jain, S. (2017). Evaluation of Risk Factors, Triggers, and Maternal Early Warning System to Predict Obstetric Morbidity in Low Resource Country. *Chest*, 152(4), A581.

Gupta, B. Contraception in Lactating Mothers (Swine Flu (H1N1)). In Kriplani, A., Sharma, J. B. and Singhal, S. (Eds.). New Delhi.

Gupta, B. Contraception in Lactating Mothers. (2017). In Kriplani, A., Sharma, J.B and Singhal, S. Gupta, B. Placental Adhesive Disorders. Singapore: Sharma, A. (Eds.). New Delhi.

Gupta, B., Chawla, S. (2017). In Post graduate manual of obstetrics and gynecology for practical examinations. Goel, N., Rajaram, S., Jain, S., and Mehta, S. (Eds.). Delhi.

Gupta, B., & Rajaram, S. (2018). Preparation for Vaginal Hysterectomy: History, Preoperative Assessment, Operative Set-up, Table, Antibiotics. In *Hysterectomy* (pp. 1363-1372). Springer, Cham.

Gupta, B., Sharma, T. Clinical Obstetrics Algorithms-Evidence Based Management. Delhi: Kriplani, A and Sharma, A.

Jain, S., & Bhartiya, N. (2018). Positive effects of antenatal yoga on pregnancy outcomes. *Indian Obstetrics and Gynaecology*, 7(4).

Jain, S., Bhartiya, N. (2017). *Long Standing Reversible Contraceptives*. In Kriplani, A., Sharma, J. B. and Singhal, S. (Eds.). New Delhi.

Jain, S., Gupta, V. (2017). Immunization in pregnancy. New Delhi: Goel, N., Rajaram, S., Jain, S and Mehta, S.

Jain, S., Srivastava, A., Singla, S. (2017). Drugs. In Goel, N., Rajaram, S., Jain, S and Mehta, S. (Eds.) New Delhi.

Kar, R., Chawla, D., Gupta, B., Mehndiratta, M., Wadhwa, N., & Agarwal, R. (2017). Establishment of Primary Cell Culture From Ascitic Fluid and Solid Tumor Obtained From Epithelial Ovarian Carcinoma Patients. *International Journal of Gynecological Cancer*, 27(9), 2000-2005.

Khatuja, R., Singla, A., Goel, N. (2017). Prescription Writing. In Goel, N., Rajaram, S., Jain, S., and Mehta, S. (Eds.). Delhi.

Mehta, S., Singla, A. (2017). Colposcopy in Pregnancy. In Mehta, S and Sachdeva, P. (Eds.). Singapore.

Mehta, S., & Singla, A. (2018). Vaginal Total Hysterectomy in Benign Indications: Hysterectomy Techniques with Bipolar Diathermy System. In *Hysterectomy* (pp. 1429-1441). Springer, Cham.

Mehta, S., Singla, A., Saini, J., Kumar, T. (2017). A rare case of Aplasia cutis congenita. *IJNMR*, 5(4), 01-02.

Mehta, S., Singla, A., Sinha, S., & Grover, A. (2017). Long Cord: A Knotty Affair. *Journal of clinical and diagnostic research: JCDR*, 11(5), QJ01.

Mittal, P., Srivastava, H., Rajaram, S., Goel, N., Madhu, S. V., Faridi, M. M. A., Bhartiya, V. (2017). Effect of vitamin D supplementation in pregnancy on maternal and neonatal outcome: A double-blind randomized controlled trial. *International Journal of GynaecolObstet*, 3(1), 1-6.

Rajaram, S., & Gupta, B. (2018). Indications and Contraindications of Vaginal Hysterectomy. In *Hysterectomy* (pp. 1355-1361). Springer, Cham.

Rajaram, S., Jain, S., Gupta, V. (2017). Instruments. In Goel, N., Rajaram, S., Jain, S and Mehta S. (Eds.). New Delhi.

Sharma, N., Singh, A., Radhakrishnan, G., Aggarwal, R., & Radhika, A. G. (2017). A Retrospective Analysis of Hysterolaparoscopy Findings of Unexplained Infertility Patients in a Tertiary Care Hospital. *International Journal of Scientific Study*, 5(1), 27-29.

Sharma, R., Bhanupriya, V. B., Guleria, K., & Suneja, A. (2017). Hyperparathyroidism during Pregnancy-A Diagnostic and Therapeutic Challenge. *Journal of clinical and diagnostic research: JCDR*, 11(9), QD05.

- Sharma, R., Guleria, K., Suneja, A., Bhaskaran, S., & Tanveer, N. (2017). Giant leiomyoma with extensive myxoid degeneration in Mayer–Rokitansky–Küster–Hauser syndrome. *International Journal of Gynecology & Obstetrics*, 138(1), 125-127.
- Sharma, R., Gupta, R., Guleria, K., Suneja, A. (2017). Female Sterilization Failure reported during 5 Years at a Tertiary Care Teaching Hospital: A Retrospective Survey. *SAFOG*, 9(3), 245-249.
- Sharma, R., Radhakrishnan, G., Manchanda, S., & Singh, S. (2018). Umbilical coiling index assessment during Routine Fetal Anatomic Survey: A Screening Tool for Fetuses at Risk. *The Journal of Obstetrics and Gynecology of India*, 68(5), 369-375.
- Sharma, R., Radhakrishnan, G., Bhatia, M. S., Gupta, R., & Mehdiratta, A. (2018). Satisfaction and psychological after effects of legal abortion at a tertiary care teaching hospital of North India. *Journal of Obstetrics and Gynaecology*, 1-6.
- Sharma, R., Suneja, A., Yadav, A., Guleria, K. (2017). Plasmodium vivax induced Acute Respiratory distress – A diagnostic and Therapeutic dilemma in Preclampsia. *Journal Clin Diag Res*, 11 (4), QD03-QD04.
- Singh, A., Vats, G., Sharma, T., Shriya, R. (2017). Are preeclampsia and small for gestational age baby could be predicted by placental location. *International Journal of Reprod Contracept Obstet Gynecol*, 6, 5568-71.
- Singh, A., Verma, A.M., Srivastava, A., Sharma, T., Sundaram. (2018). Study of exposure to second hand smoke in pregnant women and its impact on pulmonary functions and pregnancy outcomes. *IJOGR*, 5(1).
- Singh, Dr., Jain, S. (2018) Lost and found: Copper-T in the Bowel. *Journal of PaedsObstetGynecol*, 9(2), 43-45.
- Singh, S., Sharma, R., Radhakrishnan, G., Lakhanpal, S., Lakha, V. (2017). Umbilical coiling index assessment at birth - A marker of perinatal outcome. *IJNMR*, 5(3), 1-4.
- Singla, A., Chawla, S. Anatomic Considerations in Recurrent Pregnancy Loss. Singapore: Gupta, B., Mehta, S.
- Singla, A., Kumar, N. Classifications in Obsterics and Gynaecology. New Delhi: Goel, N., Rajaram, S., Jain, S and Mehta, S.
- Singla, A., Mehta, S., Rajaram, S., Radhakrishnan, G. (2017). A ten year audit of maternal mortality: Millennium developments still a distant goal. *Indian Journal of Community Med.*, 2, 102-106.
- Sinha, P., Suneja, A., Guleria, K., Aggarwal, R., Vaid, N.B. (2018). Comparison of Mifepristone followed by Misoprostol with Misoprostol alone for treatment of early pregnancy failure: a randomized double blind placebo controlled trial. *Journal of Obs Gyn India*, 1, 39-44.
- Srivastava, A., Jain, S. (2017). First and second trimester aneuploidy screening. New Delhi: Goel, N., Rajaram, S., Jain, S., Mehta, S.
- Srivastava, H., Shree, S., Guleria, K., Singh, U.R. (2017). Pure primary squamous cell carcinoma of ovary – A rare case report. *Journal of Clin Diagn Res*, 11(5), QD01 - QD02.
- Suneja, A., Aggarwal, R. (2018). *Menstrual disorders and polyeystaeovzry syndrome*. New Delhi: Gupta, P., Menen, P.S.N., Ranji, S., Lodha, R.
- Suneja, A., Pandit, U. (2017). Management Recommendations in Abnormal Cytology. In Mehta, S and Sachdeva, P. (Eds.). *Colposcopy of Female Genital Tract*. Singapore.
- Yadav, P., Singla, A., Sidana, A., Suneja, A., Vaid, N.B. (2017). Evaluation of sonographic endometrial patterns and endometrial thickness as predictors of ectopic pregnancy. *International Journal of GynecolObstet*, 136, 70-75.

### Research Projects

- Radhika A.G., WHO-Government of India, 2015-2017, “Ferrous Sucrose in Pregnant Anemic Women in India (FeSPA) – An open label randomised controlled trial”, Rs. 1,60,000/-
- Gupta B, DBT, 2016-2018, “Primary cultures of epithelial ovarian cancer as a tool to detect resistance to chemotherapeutic agents – a pilot study”, Rs. 23,57,000

### **Conferences organised**

State Level Family Planning Workshop on “Technomanagerial& Quality Aspects of Family Planning Services”,DFW, Govt. of NCT of Delhi. March 14<sup>th</sup>-15<sup>th</sup>, 2018.

AOGD Hands on Skills Workshop on, “Basic Life Support and Maternal Resuscitation”. May, 2017

AOGD Hands on Skills Workshop on, “CTG and Instrumental Delivery”. Sept. 2017.

AOGD Hands on Skills Workshop on, “Basics of Endoscopy in Gynecology”. July, 2017.

AOGD Hands on Skills Workshop on, “Management of PPH: Practical Aspects”. Dec. 2017.

CME on “Antenatal Care: Best Practices” UCMS and GTB Hospital. May 19, 2017.

CME on “Postnatal services Care: Continuum of care ”, UCMS and GTB Hospital

National Conference on “BOH- the Triology” FOGSI\_AOGD,,New Delhi. Aug. 19<sup>th</sup>-20<sup>th</sup>, 2017

39th Annual Conference of Association of obstetrician and gynaecologist of Delhi (AOGD), New Delhi. Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

### **Seminar/Conference Presentations**

Bhanupriya, E-poster presentation. “Atypical neurological manifestation in postpartum period: a case series”at 39<sup>th</sup> AOGD conference, Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Guleria K., Chaired session on ‘Obstetric Hemorrhage’ at CME-Women & Bleeding by ISOPARB held at SGRH, Delhi, April 15<sup>th</sup>, 2017.

Guleria K., Chaired a session on ‘prognosticating in fetal anomalies’ at first quarterly meet of Society of Fetal Medicine at AIIMS, May 7<sup>th</sup>, 2017.

Guleria K.,Chaired in CME on “Menopause Management – An Executive Guide”, held at Sir Ganga Ram Hospital, Delhi, May 12<sup>th</sup>, 2017 .

Guleria K., Panelist on Dilemmas in Endometriosis at 1<sup>st</sup> Endometriosis Summit FOGSI-AOGD at IHC Delhi, May 14<sup>th</sup>, 2017.

Guleria K., Chairperson in DGES Annual & IAGE North Zone conference on “Laparoscopic Myomectomy”, New Delhi, Aug. 27, 2017.

Guleria K., Panelist on “Adolescent Gynecolgical issues: case based discussion” at AICC- RCOG North Zone Annual Conference, MAMC, New Delhi. Jan. 17<sup>th</sup>-21<sup>st</sup>, 2018.

Gupta B, Guest Lecture on “Colposcopy procedure” for precongess workshop of Annual Conference of National Association of Reproductive and Child Health of India, New Delhi,Safdarjung Hospital, Oct., 27<sup>th</sup>, 2017.

Gupta B.,Lecture on “Risk reducing salpingo-oophorectomy”at 39<sup>th</sup> Annual AOGD Conference, November, 2017.

Gupta B., Moderator of “Panel discussion: Management of abnormal smears” at 8<sup>th</sup> National Conference of AOGIN, India,Lucknow, Sept. 2017.

Gupta B., Lecture on “What is the best screening tool for India-VIA” at 8<sup>th</sup> National Conference of AOGIN,Lucknow. Sept., 2017.

Gupta B., Lecture on cervical cancer, risk factors and symptoms at community screening workshop at 8<sup>th</sup> National Conference of AOGIN, Lucknow, Sept., 2017.

Gupta B., Talk on “Estimation of serum leptin and adiponectin as risk factors for endometrial cancer in Indian Women “at Regional north zone conference of AGOICON, Jammu ,May 6, 2017.

Gupta B., Panelist and Talk on “Role of young women in controlling cervical cancer- community screening” under the aegis of AOGIN India and Delhi University women health and cancer awareness workshop,Miranda House, New Delhi, April 7, 2017.

Gupta B., Lecture on “Screening for ovarian cancer” at North zone yuva FOGSI conference,Lucknow, April, 2017.

Gupta B., Moderated panel discussion on “HPV Vaccination :consensus and controversies” in national conference AGOICON,Bhubaneswar, Aug., 2017.

Gupta B., Talk on “p16 for diagnosis and management of CIN”. at AGOICON, Bhubaneswar ,Aug., 2017.

Gupta B., Co-moderator, panel discussion on "Hormones and gynaecological cancers: HRT after gynae cancers/ Hormonal at annual conference of Noida obs and gynae society, Oct. 2017.

Gupta B., Lecture on “tumour markers in ovarian cancer” at Annual conference of Obstetrics and Gynecology Society, Ghaziabad, April, 2017.

Gupta B., Lecture on “Diagnosis and Management of Vaginal Discharge” at Annual Conference of ISOPARB, April, 2017.

Gupta B., Lecture on “FOGSI Screening Guidelines 2018: VIA” at 61<sup>st</sup> AICOG, Bhubaneswar, Jan. 17<sup>th</sup>-21<sup>st</sup>, 2018,

Jain S., Speaker for video presentation in AOGD on, “Leforts Colpoclesis”, at 39th Annual conference of obstetrician and gynaecologist, Delhi, Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Jain S., Speaker at Urogenyc Conference, Ahmedabad, 27Oct., 2017.

Suneja A., Guest Lecture on "Pregnancy after DVT" during XXXIII Annual Congress of ISOPARB, Delhi, Apr. 8th, 2017.

tissue estrogen receptor expression in Ca Suneja A., Guest lecture on, “BREECH DELIVERY”, during Gurukul Program, SGRH, Delhi, Jul. 20<sup>th</sup>, 2017.

Suneja A., Expert committee member on “Induction of labour” organised by Ferring pharmaceuticals, Jul. 28<sup>th</sup>, 2017

Suneja A., Panelist on "H1N1 and Dengue infection in pregnancy" during MIDCON 2017, EDPA New Delhi, Jul. 30<sup>th</sup>, 2017.

Suneja A., Guest lecture on “Interesting cases of Mullerian anomalies during north zone” at FOGSI, Ludhiana, Sept. 21st, 2017.

Suneja A., Guest lecture on "Screening of gestational diabetes mellitus" -FOGSI/FIGO guidelines during TRILOGY OF BOH organised by FOGSI North Zone and AOGD, 19Aug., 2017, Gurugram.

Suneja A., Chairperson ‘Gynae Endoscopic Workshop & Hands On training’ 22Sept., 2017, MAMC, New Delhi.

Suneja A., Guest speaker on "Oophorectomy Dilemmas" during Symposium on “Ovary: Unfolding the Secrets in Management”, 29Sept., 2017, AIIMS, New Delhi

Suneja A., Guest speaker on "Pattern and profile of Gynaecological cancer patients in OPD: Treatment modalities and the need for a team effort" during CME on “Attitude and Communication Competencies (ATCOM) related training of doctors, nurses and medical students through counseling room approach to solve pre and post therapy health issues faced by Gynaecological cancer patients” 27Oct., 2017, PGIMER Chandigarh

Suneja A., Guest lecture on "Principles of management of CIN "at workshop on Colposcopy, 21Sept., 2017, SJH & VMMC, New Delhi.

Suneja A., Chairperson for ‘Gynae Endoscopic Workshop & Hands On training’ 27Oct., 2017, MAMC, New Delhi.

Suneja A., Chairperson "1st Endometriosis Summit" organised by FOGSI Endometriosis committee being held at IHC , Delhi, Oct. 28-29, 2017

Suneja A., Chaired session on Urodynamics during pregress workshop on urogynecology at MAMC held at New Delhi, India, Nov. 17, 2017

Suneja A., Chairperson for session on “Leiomyoma” at 24th Annual Conference of NARCHI, Delhi Branch, 18-19Nov., 2017, Lady Hardinge Medical College, New Delhi.

Suneja A., Chairperson for session on “Radical surgery for carcinoma cervix” at AOGD Pre-Congress Gynae Oncosurgery Video Workshop, 23 Nov., 2017, New Delhi

Suneja A., Chairperson at 39th Annual Conference of AOGD 2017, 23Nov., 2017, New Delhi.

Srivastava H., Talk on “Role of Society and Social Support in BOH” at FOGSI, Gurugram, Aug. 20th, 2017.

Srivastava H., Chairperson at workshop on “Basics of Endoscopy in Gynaecology”, Jul. 2017.

Srivastava H., Invited as panelist at CME on “Essentials of Antenatal care” under the aegis of AOGD, Apr. 2017.

Singh, A. Invited as panelist in CME on “Postnatal Services-Continuum of Care” Under the aegis of AOGD, Aug. 4, 2017.

Singh, A. Invited as a panelist in a panel discussion on IUGR at UPCOG-2017 (29th Annual conference of U.P. chapter of obstetrics & gynaecology) at LLRM Medical college, Meerut, Oct. 14<sup>th</sup>-15<sup>th</sup>, 2017.

Singh, A. Speaker for video presentation in AOGD, 39th Annual conference of obstetrician and gynaecologist of Delhi “Innovation in PPH Management: Bakri & Chhattisgarh Balloon”, Nov. 18<sup>th</sup>-19<sup>th</sup>, 2017.

Singh, A. Chairperson at workshop on “Basics of Endoscopy in Gynaecology”, July 2017.

Singh, A. Attained a Training programme for conduct of medical examination and recoding of MLCs, Death Summaries and Post Mortem in cases involving sexual offences held in Delhi high court, Aug. 27<sup>th</sup>, 2017 and Feb. 10<sup>th</sup>, 2018.

Singh, A. Presented a paper on “Association of serum and cervical tissue organochlorine pesticide levels and cervical cervix” at North zone Yuva FOGSI, Lucknow, April 28<sup>th</sup>-30<sup>th</sup>, 2017.

### **Extension and Outreach Activities**

1. Cervical Cancer Screening Camp in East Delhi

Faculty delivers Radio talk on AIR

Faculty Strength: 19

### **Other Significant Information:**

Faculty of the Department is invited as experts in various academic bodies namely MCI, UPSC, DMC, NBE, FOGSI, AOGD, AOGIN and the Department has run the office of various associations namely AOGIN India, NARCHI & AOGD.

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## **ORTHOPAEDICS (MAMC)**

### **Major Activities and Achievements:**

The department of Orthopaedics, Maulana Azad Medical College has continued to maintain a high standard of medical education in the field of orthopaedics for both undergraduate and post graduate students. The department has continued to publish numerous articles of a high academic standard and these have been published / accepted in peer review international journals of repute and have contributed to chapters in books of repute. The faculty members have delivered guest lectures and presented papers and have been invited as guest faculty and expert in various courses and forums across the country. The department continued to successfully conduct the popular post graduate instructional course in orthopaedics which attracted more than 300 post graduate students across the country. Most of the faculty members have been invited as examiners at various universities and involved with the Medical Council of India and DNB and contributed towards medical examination.

### **Honours / Distinction**

Dr. L. Maini, Indian Orthopaedic Association Arthroplasty Fellowship 2017.

Dr. L. Maini, Chairman ISKSAA (International Society for knowledge for surgeons on Arthroscopy and Arthroplasty).

Dr. L. Maini, Hon. Specialist Edge Hill University UK.

Dr. Vineet Dabas completed one year clinical fellowship in hand and upper extremity surgery, Canada

### **Publications**

Agarwal, P., Das, S., Gupta, V., Arora, S. (2017). Unusual association of elbow dislocation with humeral biepicondylar fracture in a child: a case report with review of literature. *The Journal of Clinical Orthopaedics and Trauma*, 8(1), 41-44.

Anurag, T., Mukul, M., Ankit, T., Sumit, S., Anil, D. (2018). Anterior reconstruction of spine by posterior approach in cases of unstable thoracolumbar burst fractures. *International Journal of Research in Orthopaedics*, 4(3), 421-427.



- Tiwari, A., Karkhur, Y., Maini, L. (2018). Total hip replacement in tuberculosis of hip: A systematic review. *Journal of Clinical Orthopaedics and Trauma*, 9(1), 54–57.
- Aslam, M. A., Sabir, AB., Tiwari, V., Abbas, S., Tiwari, A., Singh, P. (2017). Approach to Total Knee Replacement: A Randomized Double Blind Study between Medial Parapatellar and Midvastus Approach in the Early Postoperative Period in Asian Population. *The Journal of Knee Surgery*, 30(8), 793-797.
- Bhatnagar, N., Kishan, H., Sural, S., Lingaiah, P., Jaikumar, K. (2017). Pelvic hydatid disease: a case report and review of literature. *Journal of Orthopaedic Case Reports*, 7(4), 25-28.
- Bhatnagar, N., Lingaiah, P., Lodhi, J. S., Karkhur, Y. (2017). Pathological fracture of femoral neck leading to a diagnosis of Wilson's disease: a case report and review of literature. *Journal of Bone Metabolism*, 24(2), 135-139.
- Bushu, H., Divyanshu, D. D., Hemant, K. P., Dhananjaya, S. (2017). Bicondylar conjoint Hoffa's fracture with patella entrapped in the fracture: A rare case report. *Journal of Clinical Orthopaedics and Trauma*, 9(2), 35-38.
- Bushu, H., Preeti, S., Divyanshu, DD., Dhananjaya, S. (2017). Dermatomyositis a diagnostic delima: an interesting case series and review of literature. *Journal of Clinical and Experimental Dermatology Research*, 8(5), 1000414.
- Dagar, A., Kumar, R., Kashyap, A., Prabhat, V., Lal, H., Kumar, L. (2017). Transforaminal epidural Etanercept for the treatment of prolapsed lumbar intervertebral disc induced sciatica. *Journal of Clinical Orthopaedics and Trauma*, 8(2), 148-152.
- Gautam, V. K., Saini, R., Sharma, S. (2017). Effectiveness of leucocyte esterase as a diagnostic test for acute septic arthritis. *Journal of Orthopaedic Surgery*, 25(1), 2309499016685019.
- Grover, SB., Arora, S., Kumar, A., Grover, H., Katyan, A., Nair, DM. (2017). "Caught by the eye of sound"- Epigastric swelling due to xiphisternal tuberculosis. *Polish Journal of Radiology*, 82, 41-45.
- Harna, B., Goel, A., Singh, P., Sabat, D. (2017). Pediatric conjoint Hoffa's fracture: An uncommon injury and review of literature. *Journal of Clinical Orthopaedics and Trauma*, 8(4), 353-354.
- Karkhur, Y., Maini, L., Tiwari, A., Verma, T. (2017). Ewings sarcoma of ilium: Resection and reconstruction with femoral head allograft. *Journal of Clinical Orthopaedics and Trauma*, 8 (1), 53-57.
- Karkhur, Y., Tiwari, A., Verma, T., Maini, L. (2017). Unusual presentation of chondroblastoma mimicking Trevor's disease. *Journal of Postgraduate Medicine*, 63(3), 197-199.
- Lalit, M., Ankur, S., Anshul, G., Amit, S., Surabhi, R. (2018). Evaluation of Knee Kinematics in Single Radius versus Multi-Radii Total Knee Arthroplasty in India Population: A Randomized Control Trial. *Open Access Journal of Biomedical Engineering & Biosciences*, 1(3).
- Pushpasekaran, N., Kumar, N., Chopra, R. K. Borah, D., Arora, S. (2017). Thawing frozen shoulder by steroid injection. *Journal of Orthopaedic Surge*, 25(1), 2309499016684470.
- Singh, P., Kumar, A., Shekhawat, V. (2017). Scarf-related injuries at a major trauma center in northern India. *Chinese Journal of Traumatology*, 20(2), 90-93.
- Vivek, B., Abhishek, M., Tarun, V., Dhruv, M., Yugal, K., Maini, L. (2018). Anthropometric assessment of tibial resection surface morphology in total knee arthroplasty for tibial component design in Indian population. *Journal of Arthroscopy and Joint Surgery*, 5(1), 24-28.

## Journals

Dr.Lalit Maini:

Associate Editor Indian Journal of Orthopaedics

Executive Editor Journal of Clinical Orthopaedics& Trauma

Executive Editor Journal of Arthroscopy & Joint Surgery

Section Editor MAMC Journal of Medical Sciences

Corresponding Editor Asian Archives of Anaesthesiology & Resuscitation

## Patents Filed / Granted

Bending of Orthopaedic Plates, Indian Application No201711038563, Applicant: IIT Delhi, Inventors: Dr.Sunil Jha and Dr.Lalit Maini.

### **Conferences Organised**

XIX MAMC Instructional course lecture series from Nov. 16th to 17th 2017.

Maini, L., 6th MSK imaging CME, Delhi, Aug. 6<sup>th</sup> 2017, Delhi.

Maini, L., DOA Advance Trauma Course. April, 2017.

Maini, L., DOA Basic Trauma Course. Dec., 2017.

Maini, L., 2nd DOA Scientific Writing Workshop. Jan., 2018.

### **Seminar /Conferences Presentations**

Anil Dhal, Talk on nerve injuries at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Gupta, A., Talks on spine session, gait analysis, orthopaedic radiology, wrist injuries at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Gautam, V.K., Talks on coronal plane deformities of knee and Orthopaedic radiology at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Gautam, V.K., Chaired a session on two live surgeries at Current Concepts in Arthroplasty 2017, AIIMS, New Delhi, Aug. 12<sup>th</sup>-13<sup>th</sup>, 2017.

Gautam, V.K., Talk on lumbar Canal stenosis and X-ray reading for PG Course, Vasant Rao Pawar Medical college at Nashik, Aug. 25<sup>th</sup>-27<sup>th</sup>, 2017.

Sharma, M., Talks on clinical hip examination at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Kumar, V., Talks on knee instability at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Sural, S., Presented Poster on "Results of early diagnosis and rapid detection of rifampicin resistance by cartridge based nucleic acid amplification (cbnaat) test in musculoskeletal tuberculosis" at 38th SICOT Orthopaedic World Congress, Cape Town, South Africa, Nov. 30th – Dec 2nd, 2018.

Sural, S., Talk on Hip examination and Recent advances in diagnosis and management of osteoarticular TB at Indian Orthopaedic Association Annual Conference PG Course, 26-31 Dec, 2017, Indore.

Sural, S., Talk on Gait analysis and Spine examination at PG Course, Bhopal, February 2018.

Sural, S., Talks on ward round, and spine session at XIX MAMC Instructional course lecture series, 16-17 Nov, 2017.

Maini, L., 3 D modeling in Orthopaedics North Zone annual Conference, Ludhiana Feb. 2017.

Maini, L., How to write a research Proposal. North Zone annual Conference, Ludhiana Feb. 2017.

Maini, L., Ipsilateral Hip and knee fractures: Tips & Tricks. North Zone annual Conference, Feb. 2017, Ludhiana.

Maini, L., Writing material & Methods. MAMC Paper writing workshop, Aug. 2017.

Maini, L., Evaluation of the elbow pathologies. PG instruction course MAMC, Sept. 2017

Maini, L., Templating in Total Hip Replacement. Smart Hip & Knee Conclave. Nov. 2017.

Maini, L., Infected Non union of the Tibia. ASAMI Annual conference Rohtak. Dec. 2017

Maini, L., Talks on Elbow examination and tumours at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Kashyap, A., Talks on orthopaedic implants at XIX MAMC Instructional course lecture series, Nov. 16<sup>th</sup>-17<sup>th</sup>, 2017.

Arora, S., Talk on "Arthroscopic graft fixation options" at MAMC arthroscopy and arthroplasty update with cadaveric work-shop

Arora, S., Talk on "external fixators" at DOA Basic Fracture Fixation Work-shop

Suri, T., Presented paper on "does SSI affect fusion outcome in thoracolumbar fusions"

Suri, T., Presented poster on "conus tumors- a review"

### **National /International MOU's signed**

Post graduate Diploma course in Geriatric Medicine; Principal/ Co-investigator- Dr.Anil Dhal/ Dr.V.K.Gautam, Dr.Sumit Sural; Sponsoring organization- IGNOU.

Collaborating a research to develop patient specific pre-contoured plates for fixation of fracture acetabulum. Principal/Co-investigator- Dr.Sunil Jha Department of Mechanical IIT Delhi, Sponsoring organization- Department of Mechanical IIT Delhi.

### **Faculty Strength: 16**

#### **Other significant information:**

Maini, L., Hon.Secretary Delhi Orthopaedic Association 2015 – 18.

Maini, L., Honorary Advisor Rotary Viklang Kendra, Karkardoma.

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## **OPHTHALMOLOGY (LHMC)**

### **Major Activities and Achievements**

The Department started as a combined single department together with ENT department. Since 1972, it is a separate department. At present, there are 5 faculty members and 5 senior residents. In addition, 4 Postgraduate students pursuing MS in Ophthalmology are admitted every year. The department imparts training to Undergraduates pursuing MBBS course and to B.Sc. Nursing Students. Interns undergo a compulsory 15 days practical training in Ophthalmology. It also provides Comprehensive Ophthalmic Services and also specialized services in various fields i.e. Phacoemulsification, Glaucoma, Oculoplasty, Squint, Retina, Paediatric ophthalmology including ROP Screening & Management. The faculty members and residents of the department have been attending various national and international conferences from time to time and presenting papers and posters. They have also won awards at these national and international conferences. Community Outreach Services are provided at the Urban Health Centre Kalyanpuri on Thursdays. The department participates in Govt. Sponsored Programme under NPCB, NCT of Delhi and also participates in screening of patients at various eye camps in Delhi.

### **Honours / Distinctions**

Best physical poster Award in the Pediatric Ophthalmology session won at the 75th AIOS conference at Jaipur, India at the 76th AIOS Conference at Coimbatore, India, Feb. 22<sup>nd</sup>-25<sup>th</sup>, 2018.

### **Publications**

Chaudhuri, Z., John, J., Aneja, S., Thelma, B. K. (2017). Pedigree analysis of familial primary concomitant horizontal strabismus in northern India. *Strabismus*, 25(4), 200-213.

Beri, S., Shandil, A., Garg, R. (2017). Stenotrophomonas maltophilia: An emerging entity for cluster endophthalmitis. *Indian J Ophthalmol*. 65(11), 1166-1171.

Madan, S., Beri, S. (2017). Bitot spot: early marker for avoidable blindness. *CMAJ*, 189(40), E1264.

Chaudhuri, Z., Demer, J. L. (2018). Long-term surgical outcomes in the sagging eye syndrome. *Strabismus*, 26(1), 6-10.

Garg, R., Madan, S. Sethi, M., & Beri, S. (2017). Presumed intraocular tuberculosis: An unusual Presentation. *Case report*, 5(2). Doi: 10.19080 |JOJC 5, 2017.05.55659,

Garg, R., Madan, S, Prakash, P., Chander, R., (n.d.). Chaudhury, M, Leser-Trélat Syndrome in a male with Breast Carcinoma and Eyelid Basal Cell Carcinoma: *Ocul Oncol pathol*, 2018; 4:161-164, <https://doi.org/10.1159/000481354>

### **Postgraduate thesis submitted and Currently going on. 8 MD students**

#### **Seminar/ Conference Presentations**

Shweta C, Garg R & Beri S. Sonographic assessment of optic disc cupping and its diagnostic performance in glaucoma. AIOC, 2017.

Prakash O, Free paper presentation in AIOS 2017, Jaipur: Effect of steep meridian incision in patient with 1 D Astigmatism after phacoemulsification cataract surgery.

Chaudhuri Z, Rana G. Cerebral Visual Impairment [CVI] is a differential diagnosis of recalcitrant amblyopia. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22<sup>nd</sup>-25<sup>th</sup>, 2018.

Madan S, Chaudhuri Z. Acute Acquired Comitant Esotropia (AACE) in a pre-diabetic subject. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22<sup>nd</sup>-25<sup>th</sup>, 2018.

Madan S, Chaudhuri Z. Juvenile myasthenic ophthalmoplegia. Oral presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22<sup>nd</sup>-25<sup>th</sup>, 2018.

Madan S, Chaudhuri Z. Cortical visual impairment (CVI) scoring in children with developmental delay in northern India Hyde Park presentation at the 76th All India Ophthalmological Society Conference, Coimbatore, Feb. 22<sup>nd</sup>-25<sup>th</sup>, 2018.

Chaudhuri Z, Rana G, Dhikav V, Dhamija RK. Visual functions in Alzheimer's dementia. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1<sup>st</sup>-3<sup>rd</sup>, 2017.

Madan S, Chaudhuri Z. Cortical visual impairment (CVI) scoring in children with developmental delay in northern India. Oral presentation in the poster village at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1<sup>st</sup>-3<sup>rd</sup>, 2017.

Madan S, Chaudhuri Z. Optic neuritis with cerebral venous thrombosis as a marker of auto-immune thyroiditis. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1<sup>st</sup>-3<sup>rd</sup>, 2017.

Yadav R, Sethi M, Chaudhuri Z. Parry Romberg Syndrome and Linear Scleroderma in a pediatric patient. E-poster presentation at the 4th World Society of Pediatric Ophthalmology and Strabismus conference, Hyderabad, Dec. 1<sup>st</sup>-3<sup>rd</sup>, 2017.

Chaudhuri Z, John J, Mukhopadhyay A, Aneja S, Thelma BK. Whole exome sequencing in familial primary comitant exotropia. Poster presentation at the Joint 13th International Strabismological Association (ISA) and 44th American Association of Pediatric Ophthalmology and Strabismus (AAPOS) Meeting, Washington DC, USA, March, 18th-22nd, 2018.

Invited talk on "Muscle pulleys and rectus muscle plication" at Shroff Charitable Eye Hospital at New Delhi, India, Nov. 17th, 2017.

Invited talk on "Genetics of comitant strabismus" at the AAPOS Symposium at the DOS SPOSI International Congress 2017, Dec. 9<sup>th</sup>-10<sup>th</sup>, 2017.

Conducted the "Strabismus" micro-surgical skill course at the Postgraduate education centre at Maulana Azad Medical College, Feb. 9<sup>th</sup>, 2018.

Organised and chaired a workshop with Professor Joseph L Demer at the Joint meeting of the 13th ISA and 44th AAPOS conference at Washington DC, USA, on "Newer Signatures for evidence based evaluation in strabismus: Imaging and genetics, from March 18<sup>th</sup>-22<sup>nd</sup>, 2018.

**Other Inter-Institutional Collaboration:** The department has been chosen as an arm in the ICMR project of Congenital Rubella Syndrome Surveillance.

**Faculty Strength: 4**

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## OTORHINOLARYNGOLOGY (UCMS)

### Publications

Singh, P. P., Goyal M, Goyal, A. (2017). Sialendoscopic approach in Management of Juvenile Recurrent Parotitis. *Ind J Otolaryngol Head Neck Surg*, 69(4), 453-458.

Gupta, N, Harit, A, Taneja, H. C., Kumar. R, Tripathi. A. K. (2017). Olfaction and its correlates in Allergic Rhinitis: a Case Control Study. *Indian J Otolaryngol Head Neck Surg*.

Rai, G, Roy, P, Gupta, N. et al. (2017) Computed tomography score an excellent marker: differentiates eosinophilic and non-eosinophilic variants of chronic rhinosinusitis with nasal polyp. *Indian J Otolaryngol Head Neck Surg*.

Roy, Priyamvada. Shukla, Das. Sharma, Sonal, Vaibhav Girotra, Neelima Gupta, Rumpa Saha, Iqbal, & Rajinder Kaur. (2017). Revisiting the Utility of Histopathological Examination of Biopsy: A Necessity in Microbiology. *Journal of Clinical and Diagnostic Research*, 11(5), DC16-DC18.

Rai, G, Ansari, M. A., Dar, S. A., Datt, S, Gupta, N. et al. (2018). Serum Cytokine Profile in Patients with Chronic rhinosinusitis with Nasal Polyposis Infected by *Aspergillus flavus*. *Ann Lab Med*, 38, 125-131.

#### **Conferences organised by the department**

National Symposium on Head and Neck Cancer, July 5th, 2017.

Hands on Head and Neck Cadaveric Dissection and Reconstruction Workshop, Oct. 12<sup>th</sup>- 14<sup>th</sup>, 2017.

Symposium on Head and Neck Reconstruction, Feb., 2018.

**Number of faculty- 6**

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### **PAEDODONTICS & PREVENTIVE DENTISTRY (UCMS)**

#### **Publications**

Garg K, Kalra N, Tyagi R, Khatri A, Panwar G. (2017). Prosthetic Rehabilitation of an insidiously enlarged traumatic palatal perforation after orotracheal intubation in young diabetic child. *J of Clinical and Diagnostic Research*, 11(4), 38-9.

Baweja M, Kalra N, Tyagi R, Faridi M M A, Khatri A. (2017). Effect of different patterns of breastfeeding on dental caries of children at 3-5 years of age. *J Dent Specialities*, 5(1), 20-6.

Garg K, Kalra N, Tyagi R, Khatri A, Panwar G. (2017). An Appraisal of the Prevalence and Attributes of Traumatic Dental Injuries in the Permanent Anterior Teeth among 7–14-Year-Old School Children of North East Delhi. *Contemporary Clinical Dentistry*, 8 (2), 218-24.

Patidar S, Kalra N, Khatri A, Tyagi R. (2017). Clinical and radiographic comparison of platelet-rich fibrin and mineral trioxide aggregate as pulpotomy agents in primary molars. *J Indian Soc Pedod Prev Dent*, 35, 367-373.

#### **Seminar/Conference Presentations:**

Dr Namita Kalra delivered a guest lecture at workshop at Jamia Delhi, Oct. 11<sup>th</sup>- 12<sup>th</sup>, 2017.

Dr Namita Kalra chaired Session at 3T-IBHS Training Course at Rohtak, March 5<sup>th</sup>-7<sup>th</sup>, 2018.

Dr Rishi Tyagi chaired Session at 39th Annual conference of ISPPD at Chennai, Sept. 13<sup>th</sup>- to 16<sup>th</sup>, 2017.

Dr Rishi Tyagi presented a poster at 39th Annual conference of ISPPD at Chennai, Sept. 13<sup>th</sup>- 16<sup>th</sup>, 2017.

**Faculty Strength: 04**

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### **PATHOLOGY (LHMC)**

#### **Major Activities and Achievements**

Total number of laboratory investigations done by Pathology department was 8,24,436 in a year. Dept of Pathology had organised Quarterly meet of Delhi Society of Hematology on 8/04/2017. Many voluntary blood donation camps and various awareness programs were organised by Dept of Pathology and Blood bank along with undergraduate students, under Student Leadership Mission program (under the aegis of Medical education unit).

#### **Honours /Awards**

Dr Manjula Jain, Dir Prof. was appointed as President of Indian Association of Pathologist and Microbiologist ( Delhi Chapter)

## **Students with Distinctions: 08**

### **Publications**

- Bhushan R, Agarwal S, ChanderR, Agarwal K. (2017). Direct immunofluorescence study in discoid lupus erythematosus. *World J Pathol*, 6, 56-60.
- Chikara a, sharma s, Chandra j, nangia a (2017). Thrombin activable fibrinolysis inhibitor in beta thalassemia. *Indian J Pediatr*, 84 (1), 25-30.
- Lalita, J. P., Sehgal S, Chatterjee P. (2018). Hypocalcaemia following transfusion of a small volume of red blood cell concentrate: An unusual case. *Journal of Clinical and Diagnostic Research*, 12 (4), EL01.
- Nangia A1, Sehgal S, Agarwal K. (2018). Masson's tumor masquerading as a papillary adenocarcinoma on fine needle aspiration cytology: A case report. *Turk Patoloji Derg*, 34(2), 179-181.
- Pahuja S, Puri V, Mahajan G, Gupta P, Jain M. (2017). Reporting adverse transfusion reactions: A retrospective study from tertiary care hospital from New Delhi, India. *Asian J Transfus Sci*, 11, 6-12.
- Puri V, Gandhi A, Sharma S. (2017). Renal biopsy in paroxysmal nocturnal hemoglobinuria: An insight into the Spectrum of morphologic changes. *Indian J Nephrol*, 27, 284-285.
- Rai P, Karangadan S (2017). Utility of cell block preparation for preoperative diagnosis of scar endometriosis. *J med soc*, 31 (3), 214-216.T
- Singh G, Shukla S, Kumari P, Shukla I. (2018). Granulocytic spongiotic papulovesiculosis. A rare case of extra-nasopharyngeal angiofibroma of the septum in a female child. *The Journal of Laryngology & Otology*, 132(2). 184-187.
- Singh S, Kashyap A, Agarwal K, Anand A. (2017). Lipomatous congenital intradermal melanocytic nevus: a rare occurrence. *Indian J case reports*, 3(4), 281.
- Singh K, Jain M, Agarwal K, Pathania OP (2017). Cancer stem cell marker, CD 44 expression in Indian breast carcinoma patients and its association with the molecular subtype of breast carcinoma. *The Breast*, 32(1), 248.m

### **Journals**

Number of College teachers serving as Editors (s)/Member(s) of Editorial Board: 01

### **Research Projects**

Deptt. of Health Research, Titled: RT- PCR for detection of common Fusion Transcripts in Childhood ALL, 2017-18, Rs 30 lakhs.

### **Conferences Organised**

Quarterly Meet Delhi Society of Hematology, SJ Auditorium, LHMC on 8/04/2017.

### **Conferences Presentations**

- Dr. Sangeeta Pahuja presented at 6th Annual Conference of Indian Society of Transfusion Medicine, Lucknow, Nov. 2017.
- Dr. Sangeeta Pahuja presented at 28 th Regional Congress of the ISBT, Guangzhou ,Nov. 25<sup>th</sup>-28<sup>th</sup>, 2017.
- Dr. Preeti Rai presented at 1stICMLS (Indian Confederation of Medical Laboratory Science), LHMC, April 15<sup>th</sup>-16<sup>th</sup>, 2017 .
- Dr. Preeti Rai presented at International CME of Gynaecologic Pathology PGI Chandigarh, Oct. 28<sup>th</sup>-29<sup>th</sup>, 2017.
- Dr Preeti Rai presented at 1st ICMLS(Indian Confederation of Medical Laboratory Science), LHMC, April 15<sup>th</sup>-16<sup>th</sup>, 2017.
- Dr Jyotsna presented 66th Annual Conference of IAPM, Bhopal, Dec.7<sup>th</sup>-10<sup>th</sup>,2017.
- Dr. Vandana Puri presented at Pathcon New Delhi, Dec. 16<sup>th</sup>-17<sup>th</sup>, 2017 .

### **Faculty Strength: 15**

### **Other Significant information**

Dr. Manjula Jain is also a member of editorial board in 2 journals (Acta Cytologica and Journal of Cytology).

Dr Sangeeta Pahuja Sindhwani, Prof. is appointed as National Technical Expert for framing “guidelines for setting up blood storage centres at first referral units and National Technical Expert for finalizing the training manual for “e- Raktkosh software training and strengthening of Blood Services”, under Ministry of Health and Family Welfare, Govt. of India.

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## PATHOLOGY (MAMC)

### Major activities and achievements

Serves as a diagnostic laboratory along with teaching of 250 MBBS Students and BDS, BPO and MLT students and postgraduate students of Pathology. 18405 samples were received in histopathology Section along with frozen sections for rapid intraoperative diagnosis, Immunofluorescence for skin lesions, processing small, medium and large surgical specimens, autopsy specimens, immunohistochemistry and special stains. 14827 samples in hematology were received for special hematology diagnostic tests. Complete hemogram, bone marrow aspirates and bone marrow biopsy. Varied tests are conducted in special hematology namely G6PD deficiency, osmotic fragility, HPLC, cytochemical stains and LE cell, Flow cytometry is being done for diagnosing hematolymphoid malignancies and PNH. Flow cytometry from Lymph node aspirates for diagnosing Lymphomas has been added. 9051 cytology specimens were processed including fluid cytology and aspiration cytology samples, image guided FNAC and in bed FNAC, fluid aspirates from ascitic fluid, peritoneal fluid, pleural fluid, BAL, sputum cytology, urine cytology and Gynae PAP smears. Regularly postgraduate level seminars, Clinicopathological meets, projects, publications and thesis work are ongoing exercises along with faculty development activities. Thirty eight publications were done by the department faculty in various national and international peer reviewed journals. There has been overall growth in 4.7% in diagnostic work as compared to previous year.

### Honours and Distinctions

Dr Sarika Singh had been awarded best paper in Indian Myeloma Congress, Feb. 2018.

### Publications

Agamani, V., Anjali Prakash, Shyama Jain. (2018). Is Acoustic radiation force impulse ultrasound elastography valuable in assessment of cervical lymphadenopathy –*Indian journal otolaryngol head and neck surgery*.

Bembem, K., Jaiswal, A., Singh, M., Verma, N., Jain, S., & Bhat, A. (2017). Cyto-histo correlation of a very rare tumor: Superficial angiofibroma. *Journal of cytology*, 34(4), 230.

Bhat, G. A., Gunasekaran, V., Lal, P., & Khurana, N. (2018). Tuberculosis breast and its coexistence with carcinoma breast: A retrospective analysis at a tertiary care hospital in India. *The breast journal*, 24(1), 94-95.

Bhattacharya, J. B., Gupta, R., & Narayan, S. (2017). Pediatric CML presenting in blast crisis-a rare occurrence: Report of 3 cases and review of literature.

Bhattacharya, J. B., Gupta, R., & Samadhiya, A. (2017). Acute megakaryoblastic blast crisis as a presentation manifestation of chronic myelogenous leukemia. *Blood research*, 52(2), 137-139.

Bhattacharya, J. B., Singh, M., & Jain, S. L. (2017). Intraparotid schwannoma masquerading as primary spindle cell tumour of parotid: A diagnostic pitfall. *Journal of cytology*, 34(4), 221.

Bohara, S., Jain, S., Khurana, N., Shangpliang, D. M., Agarwal, S., & Gandhi, G. (2018). Intraoperative cytology of ovarian neoplasms with an attempt to grade epithelial tumors. *Journal of cytology*, 35(1), 1.

Chaudhary, D., Mandal, S., Khurana, N., and Lal, P., (2018). Aggressive Angiofibroma of the Paratestis: Case Report with a Comprehensive Review of Literature. *Journal of Genital System & Disorders*. Chaudhary et al., J Genit Syst Disord. 7, 1.

Chhikara, A., Singh, S., Gupta, B., & Ansari, M. (2016). Diagnostic Conundrum of Infantile Glycogen Storage Disorder with Myopathy. *Journal of clinical and experimental hepatology*, 6, S79.

Gupta AJ, Mandal S, Gupta R, Khurana N, Gulati A. (2017). Myeloid Sarcoma Presenting as Nasal and Orbital Mass: An Initial Manifestation of an Acute Myeloid Leukaemia. *J Clin Diagn Res*, 11(7), ED24-ED26.

- Gupta B, Yadav S, Khurana N, Raj P. (2017). Sacrococcygeal Teratoma in a Seven-Day-Old Child with Pulmonary Differentiation. *J ClinDiagn Res*, 11(8), SD01-SD02.
- Gupta, A. J., Singh, M., Rani, P., Jain, S., Khurana, N., & Sahu, L. (2017). Malignant mixed mullerian tumor of ovary-scrape cytology: Findings with review of literature. *Journal of cytology*, 34(2), 125.
- Gupta, A. J., Singh, M., Yadav, S., Khurana, N., Jain, S. L., Chawla, R. ... & Mishra, A. (2017). Phaeohyphomycosis breast masquerading as fibroadenoma in a young teenage girl. *Diagnostic cytopathology*, 45(10), 939-942.
- Gupta, B., & Jain, S. (2018). Perianal nodule due to *Enterobius vermicularis*: Cytomorphological spectrum on fine needle aspiration cytology with a review of literature. *Tropical parasitology*, 8(1), 53.
- Gupta, L., Bhatt, A. S., Mallya, V., Khurana, N., & Lal, P. (2018). Adrenal medullary hyperplasia with coexistent cerebral angiomas. *Indian Journal of Pathology and Microbiology*, 61(4), 587.
- Gupta, R., Saxena, P., Garg, R., (2017). A rare case of non secretory plasma cell leukemia with unusual morphology and aberrant expression of CD23 and CD56. *J Hematol Transfus*. 5(1), 1058.
- Gupta. B., Arora, P., Gupta, R., Khurana, N., (2018). T-acute lymphoblastic leukemia/lymphoma, an unexpected cause of sudden death" - *journal of Indian academy of forensic medicine*. (Accepted under publication March 2018).
- Jain, A., TN, P. K., Ghuliani, D., Kumar, L., & Arora, P. (2018). A typical presentations of a common endemic disease: A series of 3 cases of filariasis. *International journal of scientific research*, 6(12).
- Khuraijam, B., Saxena, P., Khurana, N., & Negi, S. (2017). Periductal stromal sarcoma of the breast with coexistent tuberculous mastitis. *Journal of mid-life health*, 8(3), 142.
- Kumar, A., Hatwal, D., Batra, N., & Verma, N. (2018). Role of nm23H1 in predicting metastases in prostatic carcinoma. *Indian Journal of Pathology and Microbiology*, 61(1), 70.
- Rath, A., Singh, S., Singh, D., Parakh. N. (2018). Compound Heterozygotes haemoglobin lepre/beta thalassemia presenting as non transfusion dependent thalasesemia: a brief report and review of literature with Indian perspective. *E ejpmr*, 5 (6), 612-16.
- Rathi, R, Jain, A, Mandal, S, Khurana, N, Tripathi, R. (2018). Giant chorangioma presenting with an absent foetus: a mystery. *J Obstet Gynaecol*. 5, 1-2.
- Rathi, R., Gupta, A. J., Mandal, S., Khurana, N., Tripathi, R. (2017). Chorangioma presenting with an absent fetus: A mystery! [Accepted in *Journal of Journal of Obstetrics and Gynaecology*].
- Sagar, N., Arora, P., KHURANA, N., & Passey, J. C. (2018). Ruptured and Inflamed Epidermal Inclusion Cyst of Tongue-A Case Report. *Journal of Clinical & Diagnostic Research*, 12(8).
- Sardana, K., Bansal, S., Garg, V. K., & Khurana, N. (2017). Treatment of nevus lipomatosus cutaneous superficialis with CO 2 laser. *Journal of cosmetic dermatology*, 16(3), 333-335.
- Sardana, K., Chugh, S., Ranjan, R., & Khurana, N. (2017). Lupus miliaris disseminatus faciei: A resistant case with response to cyclosporine. *Dermatologic therapy*, 30(4), e12496.
- Sarika Singh, Ashutosh Rath, Surekha Yadav. (2018). Primary plasma cell leukemia: case report and review of literature. *Sultan Qaboos University Medical journal*.
- Sharma, M., Khangar, B., Mallya, V., Khurana, N., Gupta, S. (2017). Coexisting Brenner Tumor and Endometrial Carcinoma. *J Midlife Health*, 8(2). 89-91.
- Sharma, M., Mallya, V., Khurana, N., Kumar, P., & Duggal, R. (2017). Lymphovascular Malformation—A Report of Two Cases. *Journal of clinical and diagnostic research: JCDR*, 11(5), ED03.
- Singh, S., Ansari, M. K., Agarwal, K., & Thomas, S. (2018). Kimura's disease masquerading as breast malignancy. *Journal of International Research in Medical and Pharmaceutical Sciences* 12(2), 66-72.
- Vats, M, Sachan, V, Prajapati, S, Mandal, S. (2018). Triple receptor positive primary neuroendocrine carcinoma of breast in a young patient. *BMJ Case Rep*. Jan 4.
- Yadav, P., Masroor, M., Nandi, K., Kaza, R. C. M., Jain, S. K., Khurana, N., & Saxena, A. (2018). Promoter Methylation of BRCA1, DAPK1 and RASSF1A is Associated with Increased Mortality among Indian Women with Breast Cancer. *Asian Pacific journal of cancer prevention: APJCP*, 19(2), 443.
- Yadav, S., Maheswari, B., Sagar, N., Mallya, V., Khurana, N., & Gupta, S. (2017). Broad Ligament Lipoleiomyoma Masses: Two curious cases masquerading as ovarian carcinomas. *Sultan Qaboos University medical journal*, 17(4), e477.



Yadav, S., Singh, S., Khurana, N., & Rathore, P. K. Polypoidal Mucoepidermoid Carcinoma of Soft Palate: an incidental finding in a Child. *European Journal of Pharmaceutical and Medical Research*

Yadav, S., Tomar, R., Verma, N., Khurana, N., & Triathi, R. (2017). Struma ovarii with pseudo-Meigs' syndrome and raised cancer antigen-125 levels masquerading as an ovarian carcinoma case report and literature review. *Sultan Qaboos University Medical Journal*, 17(2), e229.

Yadav, S., Verma, N., Khurana, N., & Neogi, S. (2018). Recurrent Dermatofibrosarcoma Protuberans with Pigmentation and Myoid Differentiation. *Sultan Qaboos University Medical Journal*, 18(2), e228.

#### **Number of department teachers serving as Editors/member of editorial board- 1**

#### **Research projects**

##### **Ongoing intramural projects**

Genotypic subclassification of Diffuse large Bcell lymphoma by expression of Myc, Bcl2 and Bcl6 in a tertiary health care centre. By Dr Sarika Singh, 1.5 LAKH

Correlation of P16 And Galectin 1 And 3 Expression In Dysplasias And Squamous Cell Carcinomas of Buccal Mucosa by Dr Shramana Mandal.

Distribution of interstitial cells of cajal (ICC) in Hirschsprung disease: An Immunohistochemical study. By Prerna Arora.

Role of Cancer Stem cell markers CD44, CD133 and CD49f in Triple negative breast cancers and their association with histological grade, angiogenesis and metastasis. By Dr Reena Tomar.

Morphological and Immunohistochemical study of fallopian tubes in ovarian serous tumours. By Dr Varuna Mallya.

##### **Extramural project**

“To study the effect of Rajayoga Meditation on Psychological health and Cognition of Medical Students. Under DST.-By Dr Reena tomar. Funding: project accepted and financial grant sanctioned by DST.

#### **Conferences organised**

Quarterly Meet of Delhi Society of Hematology March 2018

#### **Seminars /Conferences presentations**

Posters /oral presentations

Utility of FNAC in dermatological Manifestations of Metastatic Cancers. Gupta B, Singh V, Mallya V, Jain. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept. 16<sup>th</sup>, 2017.

Cytological Evaluation of Pericardial Fluid: A FiveYear Experience at Tertiary Health Care Centre. Yadav S, Singh M, Singh P, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi,Sept. 16<sup>th</sup>, 2017.

Infarct in Fibroadenoma - A Diagnostic Dilemma on Cytology. Chaudhary D, Agarwal R, Rath A, Mandal S, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi,Sept. 16<sup>th</sup>, 2017.

Uterine Carcinosarcoma Diagnosed on Cytology– A Case Report. Goswami S, Agarwal,RVerma N, Jain S, Singh M. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept.16<sup>th</sup>, 2017.

Role of Fine Needle Aspiration Cytology in the Diagnosis of Pilomatricoma: A Case Series Kumar R,Murry W, Verma N, Tomar R, Jain S. 6th Annual Conference of ‘Delhi Chapter- Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept.16<sup>th</sup>,2017.

CLL/SLL Presenting as a Thigh Mass - A Rare Case Report. Singh V, Chaudhary D, Kushwaha P, Agarwal R, Gupta

R, Jain S. 6th Annual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER, New Delhi, Sept. 16<sup>th</sup>, 2017.

A Diagnostic Dilemma of Fibromatosiscolli mimicking Rhabdomyosarcoma: An Approach to Cytological Diagnosis. Priyadarshinee B, Agarwal R, Varma N, Jain S6thAnnual Conference of ‘Delhi Chapter-Indian Academy of Cytologists’, GTBH at RML PGIMER,New Delhi, Sept.16<sup>th</sup>, 2017.

Pot pouri Case presentation 'Young Woman with Breast Lump', Agarwal R, Jain S, Mandal S, 6th Annual Conference of 'Delhi Chapter-Indian Academy of Cytologists', GTBH at RML PGIMER, New Delhi, Sept. 16<sup>th</sup>, 2017.

Cytological Spectrum of minor salivary gland tumors. A Retrospective study. Singh M, Yadav S, Tiwari SK, Jain S, Khurana N, Mandal S, Meher R. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Primary Retropharyngeal Tubercular Abscess – A rare presentation. Rabish Kumar, Gupta B, Arora P, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Role of USG guided FNAC in the diagnosis of Intraabdominal and retroperitoneal mass lesions: Experience of an Indian metropolis. Gupta B, Chaudhary D, Singh V, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

An Audit of USG guided FNAC of Supradiaphragmatic Lesions- A 5 years study. Yadav S, Singh M, Balhara K, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Cytological Spectrum of fibroadenoma. Some usual and some unusual features. Chaudhary D, Gupta B, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Role of Fine needle aspiration cytology in the diagnosis of Malignant Bone tumors. Sailo S, Role of Fine needle aspiration cytology in the diagnosis of Malignant Bone tumors. Sailo S, Jain S, Khurana N, Gautam VK. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Carcinoma of uterine cervix metastasizing to arm. Dhankar N, Gupta B, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Non Hodgkins lymphoma – floor of mouth. Dhar L, Gupta B, Singh V, Mallya V, Gupta R, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Pure red cell aplasia as clinical presentation in a case of High grade Non Hodgkins lymphoma - A Coincidental finding. Gupta K, Singh S, Arora P, Jain S. 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Clinicohematological profile of patients with subleukemic leukemia, a 5 year study. Dr Kirti Balhara 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

CD34 expression in ALL and its correlation with aberrant antigen expression and other prognostic markers. Dr Neelakshi Goyal 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Talaromyces marneffei infection in Delhi. Dr Bhagyashree Priyadarshini 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Plasma cell Leukemia -A coincidental finding presenting as chest pain. Dr Sarika Singh, Ashutosh Rath at 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam.

Spectrum Of Anemias In Infants Presenting To A Tertiary Care Center Of Delhi. Deepika, Gupta R, Rath A at 58th Annual Conference of the Indian Society of Haematology & Blood Transfusion at Gauhati, Assam

Myelofibrosis. Spectrum in bone marrow fibrosis Kirti Balhara, Sarika Singh, Barkha Gupta, Latika Gupta, Perna Arora, Richa Gupta, Meeta Singh, Nidhi Verma, Reena Tomer at DSH, Dec 2017.

Utility of various indices in differentiating thalassemia from iron deficiency anaemia in resource limited laboratories. Dr Vishal at DSH Dec 2017

Dr Varuna Mallya presented a Poster on Xylene free staining in histopathology- is it practical and possible? At APCON (National Conference of IAPM,) Bhopal, Dec. 8<sup>th</sup>-10<sup>th</sup>, 2017.

Etiological spectrum of intestinal obstruction. A 5 year study By Dr Sneha At APCON (National Conference of IAPM) at Bhopal, December 8<sup>th</sup> to 10<sup>th</sup>, 2017.

Extensive bone marrow necrosis secondary to neuroblastoma. Dr Shruti At DSH 2017.

Expression of CD10, factor VIII, VEGF in Phyllodes tumor By Dr Pritika (as oral paper) At APCON (National Conference of IAPM) at Bhopal, Dec. 8<sup>th</sup>-10<sup>th</sup>, 2017.

Dr Shyama Jain had delivered a guest lecture at 'Infectious Lesion of Lymph Nodes' in 47th Annual Conference of IAC 'CYTOCON 2017', 10-13th Nov 2017, NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Dr Shyama Jain had delivered a guest lecture at 'CYTOLOGY OF LYMPHOID LESIONS' in preconference CME 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017.

Dr Shyama Jain has chaired session a in CME Clinicopathological Conference Pediatric Gastrohepatopathology", Fortis Okhla, New Delhi, Sept. 3<sup>rd</sup>, 2017.

Dr Shyama Jain had delivered a guest lecture on respiratory pathology at CME SGRH, Feb., 2018.

Dr Nita Khurana has delivered guest lecture on "Role of tumour markers in oncology" at MAMC Midterm CME organised by Department of Medicine, MAMC, Oct., 29<sup>th</sup>, 2017.

Dr Nita Khurana delivered guest lecture on "Immunohistochemistry of soft tissue tumours" at Preconference CME at APCON- Annual conference of Indian Association of Pathologists and Microbiologists at Bhopal, Dec., 6<sup>th</sup>, 2017.

Dr Nita Khurana has delivered guest lecture on "Pathology of infectious diseases – Case based approach" at MICRODCON – Delhi chapter of Microbiologists held at India Habitat Centre, Dec., 8<sup>th</sup>, 2017.

Dr Nita Khurana delivered guest lecture on Immunohistochemistry in Soft tissue Lesions - Case based approach. At CME in Oncopathology organised By ESI Medical College, Faridabad, March 17<sup>th</sup>, 2018.

Dr Nita Khurana delivered guest lecture on Diagnostic approach to Pediatric Small round cell tumours At Pediatric Surgery Update organised by Pediatric surgery department, MAMC on March 24<sup>th</sup>, 2018.

Dr Nita Khurana delivered guest lecture on Chaired session on fetal Autopsy and Placental Pathology at 3rd MFM Workshop organised by Department of Obstetrics and Gynecology, Maulana Azad Medical College, Feb. 10<sup>th</sup>, 2018.

Dr Nita Khurana moderated a session in the slide seminar on Evolving concepts and Diagnostic Challenges in pathology of Luminal gastrointestinal tract held At GIPMER on Feb. 17<sup>th</sup>, 2018.

Dr Prerna Arora has delivered a guest lecture on biomedical waste at Hamdard Institute of Medical Sciences and Research, Jamia Hamdard University in March 2018 New Delhi.

Dr Sarika Singh has delivered guest lecture on genotypic subclassification of DLBCL Quarterly meet DSH MAMC, March 2018.

#### **Students under exchange program**

Dr. Pinki, Specialist Pathologist, Sponsoring Agencies (ESI Hospital), One month training on Immunohistochemistry.

#### **Extension and outreach activities**

1. Department of Pathology is involved in Health services to the community. Department being the nodal center receives samples of Stree Shakti Programme and Cancer Control Programme from various camps held in Delhi and routinely samples from cancer diagnosis from other Delhi Government hospitals for processing and reporting.
2. B.SC MLT students of Delhi Govt Institutes routinely undergo practical training in the various B.Sc Slabs of pathology department. Regular Histopathology Microscopy slide sessions for the postgraduate students of Dermatology and Forensic Medicine Are being held weekly.
3. CPC are regularly organised in collaboration with Department of Medicine, Department of Surgery and Department of Otorhinolaryngology.

#### **Conferences/workshops/symposiums attended**

The 66th Annual Conference of IAPM, APCON held at Bhopal, Dec. 8<sup>th</sup>- 10<sup>th</sup>, 2017 was attended by Dr Nita Khurana, Dr Varuna Mallya, Dr Sneha, Dr Pritika

The 47th Annual Conference of IAC 'CYTOCON 2017', NEIGRIHMS, Shillong, Nov. 10<sup>th</sup>-13<sup>th</sup>, 2017 was attended by Dr Shyama Jain, Dr Meeta Singh, Dr Barkha Gupta, Dr Lity Dhar, Dr Rabish Kumar, Dr Dimple, Dr Sangi, Dr Kanika, Dr Nimisha

Haematocon at Guwahati, Nov. 2<sup>nd</sup>-5<sup>th</sup>, 2017 was attended by Dr Sarika Singh, Dr Bhagyashree, Dr Neelakshi, Dr Kirti, Dr Deepika

The 33rd Annual Conference (DAPCON-18), of IAPM- Delhi Chapter held by Department of Pathology, Vardhman Mahavir Medical College and Safdarjung Hospital and National Institute of Pathology, New Delhi on Feb. 25<sup>th</sup>, 2018 was attended by Dr Nita Khurana, Dr Sarika Singh, Dr Prerna Arora,

DrShramanaMandal, DrMeeta Singh, Dr Khuraijam Bembem,, DrSangi, DrNeelakshi, DrNishant, DrNeelam, DrKirti, DrPritika

6th Annual Conference of 'Delhi Chapter-Indian Academy of Cytologists', GTBH at RML PGIMER, New Delhi, Sept. 16<sup>th</sup> 2017, was attended by :DrShyama Jain, DrNidhiVerma, DrSarika Singh, DrShramanaMandal, DrMeeta Singh, DrBarkha, Dr Dimple, DrRabish, DrBhagyashree, DrSneha, DrRadhika

The Quarterly Delhi Chapter of IAPM was attended by Dr Nita Khurana, DrNidhiVerma

The quarterly meetings of Delhi Society of Hematology and Blood transfusion was attended by DrNita Khurana,Dr Sarika Singh,Dr Perna Arora

28 TH Annual Conference DSH, Dec 2017 was attended by : DrSarika Singh, DrPerna Arora, Dr Vishal, Dr Kirti

Indian Myeloma congress Jan 2018 was attended by Dr sarika singh and Dr Perna arora

Quarterly meet DSH MAMC, March 2018

CME oncopathology update ESI Faridabadon 17.3.18 attended by Dr Perna Arora, Dr.Meeta Singh and Dr Nidhi Verma.

### Faculty strength -11

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### PATHOLOGY (UCMS)

The Department is striving to attain excellence in undergraduate and postgraduate teaching. PG's are encouraged to undertake research, participate in conferences and present scientific papers. The faculty members are engaged in active research. To ensure adequate patient care, several new tests have been added. The turnaround time for reporting is short thus facilitating diagnosis and ensuring prompt treatment. The medical and nonteaching staff work together to make this possible.

### Honours/ Distinctions

#### Awards

Dr. Sonal Sharma: Received International Society of Nephrology-ANIO Clinical Nephropathology Certificate. 2017

Awards won by PG's under supervision of Dr. Neelam Wadhwa & Dr. Vinod K. Arora:

Dr. Tanvi Arora (Nalini Bai Thakkar Award for best paper:National Cytology conference November 2017 and Asticon Scholarship November 2017

Dr. Taruna Bansal: APCON-Oral Paper – Ist, December 2017.

### Publications

Gogia, A., Sikka, M., Sharma, S. (2017). Asymptomatic prolongation of APTT in patients with multiple myeloma. *International Journal of Current Advanced Research*. 6, 6843-6845.

Sikka, M. HPLC in the diagnosis of thalassemias and hemoglobinopathies: Uses and limitations. *Proceedings of the 10th Annual conference of practicing Pathologists of Haryana*. Feb 2018.

Sikka, M., Singh, A. The 2016 WHO revision of myeloid neoplasms. *Proceedings of CME on Oncopathology: An update* March 2018

Puri, V., Sharma, P., Gopalakrishnan, S., Sikka, M., Avasthi, R. (2017). Hypercalcemia, multiple osteolytic lesions, and acute renal failure: a rare presentation of B-cell acutelymphoblastic leukemia. *Blood Research*. 52, 62-63.

Narang, N., Rusia, U., Sikka, M., Kotru, M. (2017). Morphological changes in bone marrow post Imatinib therapy in chronic phase CML: A follow up study on sequential bone marrow aspirates and biopsies. *Journal of Clinical and Diagnostic Research*.

Sharma, A., Sikka, M., Bhankar, H., Gomber, S., & Sharma, S. (2017). Haematological parameters and screening tests of haemostasis in children with sepsis: results from a tertiary care centre in India. *Malaysian Journal of Pathology*, 39(2).

Sikka, M., Sodhi, R., Kotru, M., Gurubachan, N. (2017). Severity of injury as assessed by Glasgow coma score and coagulopathy in patients with isolated head trauma. *Indian Journal of Current Advanced Research*, 6(10), 6643-6645.

- Sharma, A., Gogoi, P., & Arora, V. K. (2017). Myoepithelial carcinoma of the tongue-spindle cell morphology with high mitosis: A case report and review of literature. *Indian Journal of Pathology and Microbiology*, 60(4), 560.
- Wadhwa, N., Diwaker, P., Lotha, N., Arora, V. K., & Singh, N. (2017). Cytokeratin 20 immunocytochemistry on urine sediments: A potential low-cost adjunct to cytology in the diagnosis of low-grade urothelial carcinoma. *Cytopathology*, 28(6), 531-535.
- Goyal, S., Arora, V. K., Joshi, M. K., Singh, N., & Radhakrishnan, G. (2017). Intestinal GIST masquerading as an ovarian mass: Diagnosed on FNAC. *Journal of cytology*, 34(3), 159.
- Sharma, A., & Arora, V. K. (2018). Tuberculosis of Lip—an Unusual Presentation. *The American Journal of Dermatopathology*, 40(3), 224-225.
- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
- Kumar, H. B., Khan, A. M., Arora, V. K., & Singh, N. (2017). Fine needle aspiration biopsy: An entrustable professional activity in cytopathology postgraduate training. *Journal of cytology*, 34(2), 84.
- Rathore, R., Arora, D., AgARwAL, S., & ShARmA, S. (2017). Correlation of foxl2 with inhibin and calretinin in the diagnosis of ovarian sex cord stromal tumors. *Turkish Journal of Pathology*, 33(2), 121-128.
- Puri, V., Gandhi, A., & Sharma, S. (2017). Renal biopsy in paroxysmal nocturnal hemoglobinuria: An insight into the spectrum of morphologic changes. *Indian journal of nephrology*, 27(4), 284.
- Rathore, R., Sharma, S., & Arora, D. (2017). Clinicopathological evaluation of 223 cases of mature cystic teratoma, ovary: 25-year experience in a single tertiary care centre in India. *Journal of clinical and diagnostic research: JCDR*, 11(4), EC11.
- Goyal, S., Rathore, R., Sharma, S., Arora, V. K., Das, G. K., & Singal, A. (2017). Cutaneous basal cell carcinoma with mixed histology: Cytomorphological features of two unusual cases. *Journal of cytology*, 34(2), 115.
- Rai, G., Roy, P., Gupta, N., Sharma, S., Dar, S. A., Ansari, M. A., ... & Das, S. (2017). Computed Tomography Score an Excellent Marker: Differentiates Eosinophilic and Non-eosinophilic Variants of Chronic Rhinosinusitis with Nasal Polyp. *Indian Journal of Otolaryngology and Head & Neck Surgery*, 1-6.
- Sehgal, V. N., Singh, N., Sharma, S., Rohatgi, J., Oberai, R., & Chatterjee, K. (2018). Tuberous Sclerosis Complex: A Classic Presentation. *Skinmed*, 16(1), 55-58.
- Sehgal, V. N., Sehgal, D., Lal, J. B., & Sharma, S. (2018). Spiegler–Fendt sarcoid/lymphocytoma cutis: A focus on nomenclature and diagnosis. *Indian Journal of Paediatric Dermatology*, 19(2), 139.
- Kotru, M., Sharma, R., Pramanik, S. K., Purohit, A., Singh, G., Singh, A. K., ... & Mahapatra, M. (2017). Value of CD16/CD66b/CD45 in comparison to CD55/CD59/CD45 in diagnosis of paroxysmal nocturnal haemoglobinuria: An Indian experience. *The Indian journal of medical research*, 146(3), 362.
- Narang, N., C., Kotru, M., Sikka, M., Rusia, U. (2017). Comparison of the applicability of Hasford and EUTOS score in Indian Patients with chronic phase CML on Imatinib therapy. *South Asian J Cancer*. 6(3), 117.
- Kotru, M., Munjal, S. S., Singh, M., Seth, T., & Pati, H. P. (2017). Blood Components Load in Post-operative Neurosurgical Patients Suspected with Disseminated Intravascular Coagulation. *Indian Journal of Hematology and Blood Transfusion*, 33(3), 408-411.
- Kotru, M., Munjal, S. S., Mutreja, D., Kumar, G., Singh, M., Seth, T., & Pati, H. P. (2017). Severity of anemia and hemostatic parameters are strong predictors of outcome in postoperative neurosurgical patients. *Asian journal of neurosurgery*, 12(3), 489.
- Soni, K., Kotru, M., Dewan, P., & Meena, P. (2017). Spur cell anemia in Wilson's disease: a rare presentation. *International journal of laboratory hematology*, 39(3), e64-e65.
- Bhattacharya, J. B., Gupta, R., & Samadhiya, A. (2017). Acute megakaryoblastic blast crisis as a presentation manifestation of chronic myelogenous leukemia. *Blood research*, 52(2), 137-139.
- Gupta, R., Saxena, P., Garg, R. (2017). A Rare Case of Non Secretory Plasma Cell Leukemia with Unusual Morphology and Aberrant Expression of CD 23 and CD 56. *J Hematol Transfus*. 5(1), 1058.
- Bhattacharya, J., B, Gupta, R., Narayan, S. (2017). Pediatric CML, Presenting in Blast Crisis – A Rare Occurrence; Report of 3 Cases and Review of Literature. *J Hematol Transfus*. 5(2), 1061.

Gupta, A. J., Mandal, S., Gupta, R., Khurana, N., & Gulati, A. (2017). Myeloid Sarcoma Presenting as Nasal and Orbital Mass: An Initial Manifestation of an Acute Myeloid Leukaemia. *Journal of clinical and diagnostic research: JCDR*, 11(7), ED24.

Sidam, D., Gogoi, P., Diwaker, P., & Murry, W. T. Hereditary Elliptocytosis-A Case Report.

Sharma, A., Gogoi, P., Arora, R., Haq, R. U., Dhammi, I. K., & Bhatt, S. (2018). Aggressive osteoblastoma of the acetabulum: A diagnostic dilemma. *Journal of clinical orthopaedics and trauma*, 9, S21-S25.

Sharma, A., Gogoi, P., & Arora, V. K. (2017). Myoepithelial carcinoma of the tongue-spindle cell morphology with high mitosis: A case report and review of literature. *Indian Journal of Pathology and Microbiology*, 60(4), 560-561.

Ahuja, S., Tanveer, N., Haflongbar, T., & Arora, V. K. (2018). Cytological findings of a rare case of transitional cell carcinoma bladder presenting with supraclavicular lymphnode metastasis. *Journal of cytology*, 35(2), 129.

Sharma, P., Tanveer, N., & Goyal, A. (2018). A search for entrustable professional activities for the 1st year pathology postgraduate trainees. *Journal of laboratory physicians*, 10(1), 26.

Tanveer, N. (2017). Polypoid adenosarcoma of uterus with chondroid differentiation: A rare diagnosis. *Indian Journal of Pathology and Microbiology*, 60(4), 620-1.

Tanveer, N. (2017). Open access and other challenges of Present Day Journal Publishing. *Journal of cytology*, 234(5).

Jha, A., Agrawal, V., Tanveer, N., & Khullar, R. (2017). Metaplastic breast carcinoma presenting as benign breast lump. *Journal of Cancer Research and Therapeutics*, 13(3), 593.

Chopra, N., & Tanveer, N. (2017). An atypical presentation of alveolar soft part sarcoma of tongue. *Journal of laboratory physicians*, 9(3), 220.

Tanveer, N. (2017). Controlling Human Papilloma Virus: A Public Health Perspective of Treatment of Anogenital Warts. *The oncologist*, 22(5), 495-496.

Bhardwaj, N., Diwaker, P., Gogoi, P., Wadhwa, N., & Mishra, K. (2017). Ichthyosis Uteri Associated with Endometrial Adenocarcinoma: A Case Report. *Journal of clinical and diagnostic research: JCDR*, 11(6), ED24.

Kumar, C., Jain, P., Wadhwa, N., Diwaker, P., & Panikar, K. N. (2017). Nosocomial Jejunal Mucormycosis-an Unusual Cause of Perforation Peritonitis. *Iranian journal of pathology*, 12(3), 295.

Narang, N. C., Diwaker, P., Narang, S., & Venugopal, V. K. (2018). Low-Grade Central Osteosarcoma: Report of Two Unusual Morphologic Variants. *Indian journal of surgical oncology*, 9(1), 74-78.

Rawat, A., Diwaker, P., Gogoi, P., Singh, B. (2017). Prevalence and changing trends of transfusion transmitted infections amongst blood donors in a regional blood transfusion centre. *Indian J Med Res*. 146(5), 642-645.

Singh, A., Diwaker, P., & Kaur, N. (n.d.). Primary Renal Leiomyosarcoma: A Case Report.

Dhakar, S., Diwaker, P., Sharma, M., Barman, S., & Mishra, K. (n.d.). Comparison of efficacy of various stains and immunohistochemistry in diagnosis of amoebic colitis.

Srivastava, R., Diwaker, P., Gogoi, P., & Singh, B. (n.d.). An audit of the demographic profile of deffered blood donors for analysis of donor defferal pattern in regional blood transfusion centre in Delhi. *Age*, 18, 65.

Chopra, N., Diwaker, P., Narang, S. (2018). Multiple cutaneous metastasis of sacral chordoma, mimicking neurofibromas clinically. *Annals of Pathology and Laboratory Medicine*. [Accepted].

### Chapters in books

Sikka M. (2017). Approach to a patient with bleeding disorder. In Dawar S, More S, Kotru M. Porphyria, (Eds.). *Hematology Pearls 2017: An Approach to diagnosis* (pp.44-59).

### Faculty Members: 10

#### Other Significant Information

Name of the students/residents who have attained distinctions in various university examinations/national or international conferences:

Dr Taruna Bansal won the best oral paper award at the Annual Conference of Indian Association of Pathologists and Microbiologists 2017 organised by Gandhi Medical College Bhopal for her oral paper titled-“Prognostic Implication of YB1 expression in breast cancer : A therapeutic target in Her2 neu over expressing tumors.” The co-authors for this paper were- Dr.Usha Rani Singh, Dr.Sonal Sharma, Dr.Nadeem Tanveer (Deptt of Pathology) and Dr. Navneet Kaur (Deptt of Surgery)

Dr Tanvi Arora won the Nalini Bai Thakkar award for best oral paper in 47th Annual Cytology Conference, NEIGRIHMS for paper”Anal cytology spectrum in subjects practicing receptive anal intercourse and hTERT gene expression in cases with squamous lesions.” The co-authors of the paper were Dr N Wadhwa, Dr VKArora, Dr Preeti Diwaker (Path) and Dr Deepika Pandhi(Dermatology)

#### Special Grants/Projects during the Year

Dr. Sonal Sharma: To study the role of Type I regulatory T cells in skin in patients with Pemphigus vulgaris during acute disease and remission, 2017-18, UGC, 14,20,000.

#### Funded Projects Completed during the Year:

Dr. Preeti Diwaker: Screening of deferred blood donors for microcytosis: an initiative towards increasing pool of voluntary donors, ICMR Funded STS Project

Dr Priyanka Gogoi: Evaluation of Hofbauer cells using CD68 to compare their role in normal and ectopic gestation. ICMR Reference ID 2017-00519. ICMR

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### PEDIATRICS (LHMC)

#### Publications

Dubey B, Choudhary A, Nangia S, Sharma S & Kumar M. (2017). Effect of timing of umbilical cord clamping on neuro-developmental outcomes at 6-8 weeks of life in healthy term neonates. *Ind J Trauma & Em Ped.* 9(1), 9-14.

#### Seminars organised

Dr Bhawna, Recent advances in neonatal sepsis, SJ AUDITORIUM, LHMC, DELHI, KSCH CME, 26.2.17

USAID & KSCH, Quality improvement strategies for optimizing neonatal health care delivery, KSCH, 5.3.17, & 28-29.10.17

Symposium on CHD, Deptt of Pediatrics, Patent Ductus Arteriosus, LT, KSCH, 25.3.17

FBNC ,Deptt of neonatology, NEONATAL CARE, Deptt of neonatology, Deptt of Pediatrics & IAP, PG QUIZ on pediatrics, LT, KSCH, 6.10.17

PCNI, IAP Delhi (as executive member & faculty), PRETERM KIT, Aerocity, Delhi, 24.12.17

#### Conferences Organised

Organised VI Annual Conference of Delhi Chapter of Indian Academy of Cytologists (DCIAC), 16th September 2017

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### PAEDIATRICS SURGERY (LHMC)

#### Major Activities & Achievements

A six bedded postoperative recovery adjacent to Kalawati Saran Children's Hospital (KSCH) operation theatre was opened. With the availability of two more rooms in Pediatric Surgery ward, 8 more beds were added to increase the bed strength. The discharges are being digitalized with the availability of two new data entry operators. Seven scientific papers were presented at Annual conference of Indian Association of Pediatric Surgeons (IAPS) at Kolkata conducted in September 2017. Of these, Five papers were judged as “Best paper” in their respective sessions.

## Honours/Awards

Dr. S. Roy Choudhury, was elected as President of Delhi chapter Indian Association of Pediatric Surgeons (IAPS)

## Publications

Chadha R & Khan NA. (2017). Congenital pouch colon. *J Indian Association Pediatric Surgery*. 22(2), 69-78

Jhanwar P, Rassiwal M, Patel Jigar N, PS Yadav PS & Chadha R. (2017). Multiple Jejunal Atresia with Multiple Small Bowel Mesenteric Diverticuli. *Journal of Medical Diagnostic*.

Jigar N Patel, Amit Kumar, Partap S Yadav, Rajiv Chadha, Vikram Datta & Choudhury, Subhasis Roy. The position of the anal dimple in newborns and infants with anorectal malformations and its correlation with the normal anal position. (Accepted for publication in *J Pediatric Surgery*, Nov. 2017).

Khan NA, Roy Choudhury S, Yadav P. S, Prakash R, & Patel J. N. (2017). Role of nasogastric tube in children undergoing elective distal bowel surgery. *Pediatric Surgery*. 33, 229-234.

Prakash R, Puri Archana, Anand R, Jain AK, Lal B, & Garg V. (2017). Predictors of upper tract damage in pediatric neurogenic bladder. *J Pediatr Urol*, 13, 1-7.

Prakash Raghu, Puri Archana. (2017). An unusual case of dysphagia in children: Gastrointestinal manifestation of epidermolysis bullosa. [Accepted for publication in *Ind J Med Res* 2017].

Puri Archana, Sikdar S, & Prakash R. (2017). Pediatric and glans anthropometry nomograms: An aid in hypospadias management. *J Indian Association Pediatric Surgery*. 22, 9-12

Roy Choudhury S, Khan NA, Saxena R, Yadav PS, Patel Jigar N, & Chadha R. (2017). Protocol based management of 154 cases of pediatric liver abscess. *Pediatric Surgery*. 33(2), 165-172.

Shinde NK, Kumar P, Dabla PK, Jhanwar P, Chadha R, & Choudhury S. R. (2017). Assessment of nutritional status of patients of congenital pouch colon following definitive surgery. *J Indian Association Pediatric Surgery*. 22, 13-8.

Subhasis Roy Choudhury, Niyaz Ahmed Khan, Pinaki Ranjan Bebnath, Partap Singh Yadav, Shalu Shah, & Rajiv Chadha. (2017). Anorectal Agenesis with Rectovaginal Fistula: A Rare/Regional Variant. *J Indian Association Pediatric Surgery*. 22, 79-82.

## Research Projects

Name of Investigator: Dr. Shalu Shah

Project Incharge: Dir. Prof Subhasis Roy Choudhury

Title of the Project Scheme: Role of antenatal surgical counselling for antenatally detected structural malformations.

Name of funding agency: C.S.I.R

## Seminars Organised

Faculty Member/Organisers: S. Roy Choudhury, Rajiv Chadha, Archana Puri, Partap S Yadav, Vikram Khanna, Amit Gupta, Name, Venue & Date: Workshop on Stoma Care, Ped. Surgery Seminar Room, KSCH, New Delhi, Feb. 4th, 2017,

Faculty Member/Organisers: S. Roy Choudhury, Rajiv Chadha, Archana Puri, Partap S Yadav, Vikram Khanna, Amit Gupta, Name, Venue & Date: Workshop on Energy Sources, Ped. Surgery Seminar Room, KSCH, New Delhi, April 8th, 2017

## Conference Presentations

Dr. S. Roy Choudhury: Presented paper on "A novel technique of tapering for congenital pouch colon", British Association of Pediatric Surgery Annual Meeting, London, July 19<sup>th</sup>-23<sup>rd</sup>, 2017.

Dr. Vikram Khanna/S. Roy Choudhury: Presented a paper on "Epidemiology of pediatric solid tumors and their management challenges faced in a tertiary public hospital in India", 49th SIOP 2017, Washington DC, USA, Oct. 12<sup>th</sup>-15<sup>th</sup>, 2017.

Dr. Amit Gupta: Attended International Pediatric & Adolescent Urology Workshop & chaired an operative session, Dept. of Pediatric Urology, SGPGIMS, Lucknow, March, 3<sup>rd</sup> - 5<sup>th</sup>, 2017



S. Roy Choudhury delivered lecture on Laparoscopic Orchidopexy, Delhi SURGICON 2017, Research meeting of IAPS 2017.

S.Roy Choudhury delivered CME lecture - Cystoscopic procedures in children, R&R Hospital, Delhi, Army R&R Hospital Delhi, Oct. 2017.

S.Roy Choudhury delivered lecture on “Fetal clinic- Role of Pediatric Surgeon, Research section IAPS, Research meeting of IAPS, PGIMER, Chandigarh, Dec. 16<sup>th</sup>, 2017

S.Roy Choudhury delivered lecture on Posterior urethral valves, Asian Society of Pediatric urology and Indian society of Pediatric urology AIIMS, New Delhi, Dec. 2017.

S.Roy Choudhury gave a Guest Lecture on “Esophageal Substitution”, Dept. of Pediatric Surgery MAMC 2018, 10th Pediatric surgery update MAMC, New Delhi, Feb., 2018.

S.Roy Choudhury gave a Guest Lecture on “Abdominal wall defect”, Dept. of Pediatric Surgery MAMC 2018, 10th Pediatric surgery update MAMC, New Delhi, Feb., 2018.

S.Roy Choudhury was Member in Panel Discussion in NARCHI, NARCHI 2017, LHMC, Oct. 17<sup>th</sup>, 2017.

S.Roy Choudhury demonstrated Laparoscopic pull through for High ARM, Delhi chapter of PESI, PESICON Workshop 2018 Apollo Hospitals, Delhi, Feb., 2018.

S.Roy Choudhury Chaired a session, PESICON 2018, Apollo Hospitals, Delhi Feb. 2018.

S.Roy Choudhury Chaired a Session on Molecular biology Research in pediatric surgery, ISPR 2017, ISPR, New Delhi, Sept. 7<sup>th</sup>-9<sup>th</sup>, 2017.

S.Roy Choudhury presented paper on safety & efficacy of day care surgery in children, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21<sup>st</sup>-25<sup>th</sup>, 2017.

S.Roy Choudhury Chaired a session in IAPSCON 2017, Kolkata chapter of IAPS, IAPSCON 2017, Sept. 21<sup>st</sup>-25<sup>th</sup>, 2017.

Rajiv Chadha delivered a Guest Lecture on “Acute abdomen- a surgeon’s perspective”, UP- Uttarakhand chapter of the IAPS, JN Medical College, Aligarh Muslim University, April 15<sup>th</sup>, 2017.

Rajiv Chadha delivered a Guest lecture on “Congenital Pouch colon”, Annual Conference & 10th Pediatric surgery update, 10th Pediatric surgery update MAMC, New Delhi, Feb. 2018.

Rajiv Chadha presented paper on Clinical Pointers- Congenital Pouch Colon in girls, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21<sup>st</sup>- 25<sup>th</sup>, 2017.

Archana Puri Guest Lecture on “Esophageal Atresia”, Dept. of Pediatric Surgery, MAMC, New Delhi, Annual Conference & 10th Pediatric surgery update on 25th year celebration of the Department of Pediatric Surgery, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Neurogenic Bladder”. Dept. of Pediatric Surgery, MAMC, New Delhi, Annual Conference & 10th Pediatric surgery update on 25th year celebration of the Department of Pediatric Surgery, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Pediatric Germ Cell Tumour”, Delhi Chapter of Indian Association of Pediatric Surgeons, Annual Conference of Delhi Chapter of Indian Association of Pediatric Surgeons at Sir Ganga Ram Hospital, New Delhi, Nov. 19<sup>th</sup>, 2017.

Archana Puri Guest Lecture on “Contemporary management of bladder exstrophy”, Dept. of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi, Asian Society of Pediatric urology & Indian society of Pediatric urology, Dec. 23<sup>rd</sup> 2017.

Archana Puri Guest Lecture on “Functional Voiding Dysfunction”, Department of Pediatric Surgery, MAMC, New Delhi, Pediatric Urodynamics Workshop 2018, MAMC, New Delhi, Feb., 2018.

Archana Puri Guest Lecture on “Post-operative care of surgical newborn”, Department of Nursing, KSCH, New Delhi, CNE, KSCH Dec 2017 & 2018.

Archana Puri Paper Presentation at Kolkata chapter IAPS, IAPSCON 2017 Kolkata Sept. 2017.

Archana Puri Paper Presentation-“Multivariate analysis of newborn surgical mortality”, International Society on Pediatric Surgical Research, ISPR 2018 Delhi, India.

Partap S Yadav Stoma care & management of complications CNE, KSCH, New Delhi, April 2017.

Partap S Yadav Quality improvement in existing resources, Workshop on strategies in quality improvement, KSCH, New Delhi, April 2017.

Partap S Yadav Demonstrated Laparoscopic pill through for High Arm (LAARP), Delhi chapter of PESI, PESICON Workshop 2018 Apollo Hospitals, Delhi, Feb., 2018.

Vikram Khanna delivered a lecture on “Urodynamics Studies” and on “Modern Management of Neurogenic Bladder”, Dept. of Pediatric Surgery, All India Institute of medical sciences, New Delhi, Asian Society of Pediatric urology & Indian Society of Pediatric urology on Dec. 23<sup>rd</sup> 2017.

Vikram Khanna Delivered a lecture on “Cystic Neck Lesions”, Dept. of Pediatric Surgery, MAMC, New-Delhi, 10th Pediatric surgery update February 2018.

Vikram Khanna delivered a lecture on “Cystometry”, Dept. of Pediatric Surgery, MAMC, New-Delhi, Pediatric Surgery Urodynamics Workshop 2018 MAMC, New Delhi, Feb., 2018.

Vikram Khanna Quality improvement in existing resources, Workshop on strategies in quality improvement, KSCH, New Delhi, April 2017.

Vikram Khanna presented Papers on “New Surgical parameters in PUJO” & “Successful resection after chemotherapy in Hepatoblastoma patients”, Kolkata chapter of IAPS, IAPSCON 2017, Kolkata, Sept. 21<sup>st</sup>-25<sup>th</sup> 2017.

Amit Gupta presented paper on “Outcome of post-natal surgery in antenatally detected thoracic & abdominal malformations”, Kolkata chapter of IAPS, IAPSCON 2017 Kolkata, Sept. 21<sup>st</sup>-24<sup>th</sup> 2017.

Amit Gupta assisted Prof. Rajiv Chadha in writing a chapter on “Common Pediatric Surgical Problems” For PG

Diploma in Maternal and Child Health - one year programme since 1998, 3rd revision January 2018.  
Placement Details of Ex-Students:

#### **Other Significant Information**

Dr. Shalu – Selected for the post of Assistant Professor in UPSC direct recruitment interview for teaching cadre, conducted in June 2018

#### **Faculty Strength: 6**

#### **Other Significant Information**

#### **Students with Distinctions**

Veena Taluja medal for best research paper was awarded to Dr. Ravikesh Kumar (MCh. post-graduate) for his thesis on “Safety and efficiency of day care surgery in children” at the annual conference of KSCH.

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### **PHARMACOLOGY (LHMC)**

#### **Major activities and achievements**

In the period from 1<sup>st</sup> April 2017 to 31<sup>st</sup> March 2018, the department has contributed significantly for progress of the discipline. The faculty and post graduate students of the department presented papers in national and international conferences. A total of 7 research papers have been published in peer reviewed PUBMED indexed national and international journals. Dr. H.S Rehan, Director-Professor and Head of the department, served as a member of subject expert committee of CDSCO in various disciplines, dissection monitoring committee of UGC. Dr. Lalit Kumar Gupta, Director-Professor of the department, served as a member of subject expert committee of CDSCO in various disciplines. The department in collaboration with IPC Ghaziabad is participating in the Pharma covigilance Programme of India and is regarded among the top five national centres in terms of adverse drug reaction monitoring.

#### **Publications**

Sah, R. K., Chandane, R. D., Krishna, Manocha S. & Kapur A. (2017). Knowledge, attitude and practice of pharmacovigilance among community pharmacists in Delhi, India. *Int J Basic Clin Pharmacol*, 6, 618-23

Yuwnate, A. H., Chandane, R. D. & Sah, R. K. (2017). Impact of Acne and psoriasis on patient's quality of life: A multicentre study from health-care centers in Wardha district. *Natl J Physiol Pharm Pharmacol*, 7(5), 522-526.

Roy, T., Banerjee, I., Ghosh, S, Dhali, R. S., De Pati, A. & Tripathi, S. K. (2017). Effects of co-treatment with pioglitazone and methotrexate on experimentally induced rheumatoid arthritis in Wistar albino rats. *Indian J Pharmacol*, 49, 168-75.

Rani, S. G., Chugh, P. K., Sah, R. K. Tripathi, C. D. (2017). Critical appraisal of drug promotional literature using World Health Organisation guidelines. *Int J Basic Clin Pharmacol*, 6, 2014- 9.

Sharma, V., Pangtey G. S., Gupta, R., Rehan, H. S., Gupta, L. K. (2017). Correlation of long-term glycemic control as measured by glycated hemoglobin with serum angiopoietin-like 6 protein levels in type 2 diabetes mellitus patients. *Indian J Pharmacol*, 49, 250-3.

Amirtha, R., Gupta, R., Rehan, H. S., Gupta, L. K. (2017). Impact of computer assisted learning as teaching modality on learning & understanding of Pharmacology among undergraduate medical students. *Indian J Physiol Pharmacol*, 61(2), 202–207.

### **Research projects**

Dr. Lalit Kumar Gupta, Dr. H.S.Rehan, Dr.Anupam Prakash Changes in serum periostin levels in patients of bronchial asthma treated with inhaled corticosteroids-

A prospective study to explore the effect of statins of urinary excretion of aquaporin-2 in India adults. Guide and Co-guides: Dr. H.S. Rehan, Dr. LalitKumar Gupta, Dr. MadhurYadav.

Ongoing audit of prescriptions in both IPD/OPD of Lady Hardinge Medical College with appropriate interventional strategies Patient safety interventions through Pharma covigilance programme of India.

### **Seminar/conference presentations:**

Indian Society of Rational Pharmacotherapeutics (ISRPT) Annual Conference, Aligarh (U.P.) 2017.

63rd Annual National conference of Association of Physiologists and Pharmacologists of India, JIPMER, Puducherry, Paper presented- Online Pharmacies: Consumer's awareness and behaviour. Oct. 12<sup>th</sup>-14<sup>th</sup>, 2017

National Conference of Indian Pharmacological Society at NMIMS at Mumbai Paper presented- Corticosteroids decrease serum Survivin, M30 apopto sense and CD28 and improve quality of life in patients of asthma, Feb. 15<sup>th</sup>-17<sup>th</sup>, 2018.

Guest Speaker in Symposia on "Pharmacovigilance and Adverse drug reaction" organised by Delhi heart & Lung Institute, New Delhi, April 6<sup>th</sup>, 2017.

Faculty in Workshop on "Research Ethics and Good Clinical Practices" organised by LHMC on 9th March 2017.

Faculty in Skill Development Programme, Ghaziabad Tools and Methods in Pharmacovigilance organised by PvPI, IPC, MoH & FW, May 2017 & Nov 2017.

Participated in Inter-country study to assess the inter-rater.....software organised by WHO, MCAZ & INCEN held at NOIDA, April 24<sup>th</sup>- 30<sup>th</sup>, 2017.

Participated Symposium of IADVL- Delhi State Branch on "Reconceptualizing management of Dermatitis in Elderly" LHMC, May 14<sup>th</sup> 2017.

Guest Speaker on "Therapeutic drug Monitoring" organised by Aditya Birla Memorial Hospital, Pune, Nov. 4<sup>th</sup>- 5<sup>th</sup>, 2017

Guest Speaker and presented "Expert consensus document on the management of Dyslipidemia" at ISRPTCON held at Aligarh, Nov. 20<sup>th</sup>- 21<sup>st</sup>, 2017.

Guest Speaker & Participant in the Debate "ARNI vs ARB" held at Aditya Birla Memorial Hospital, Pune organised by CSI Conference Pune Chapter, Jan. 20<sup>th</sup>- 21<sup>st</sup>, 2018.

Participated in Health Technology Assessment in National Conference on HTA, organised by PGI Chandigarh, Feb. 24<sup>th</sup> - 25<sup>th</sup>, 2018.

Resource person and presented "Recent Advances in Pharmacology" at XXV quality improvement Programme, held at DIPSAR Delhi. March 5<sup>th</sup> -9<sup>th</sup>, 2018.

Guest Speaker and presented Treatment "Guidelines for the management of Dyslipidemia" at IOM, Kathmandu, March 29<sup>th</sup>, 2018.

**Number of PhD/M. Phil/ MD awarded:**

MD (Pharmacology) awarded to one student.

**Number of faculty Permanent/ Temporary/Ad hoc: 10****Any other significant information:**

The department in collaboration with IPC Ghaziabad is participating in the Pharmacovigilance Programme of India and is among the top five national centres in terms of reporting Adverse drug reactions.

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**PHARMACOLOGY (MAMC)****Major activities and achievements**

The Department of Pharmacology aims to provide a holistic, education experience for MBBS, BDS and post graduate students in Pharmacology. Towards which the teaching learning activities are being continuously monitored and improved upon. New learning activities were introduced in both the MBBS and MD programme of the Department. The Department is promoting rational use of medicines among health care providers. To promote rational use of medicines in Delhi Government health facilities, the Department conducted a 3rd CME and workshop on “Improving availability and rational use of medicines” for doctors working in health facilities under Government of NCT of Delhi. The Department is a recognised Adverse Drug Reaction monitoring center for the National Pharmacovigilance Programme of Government of India. To that end to increase awareness about pharmacovigilance among doctors, nurses and pharmacists a workshop was organised by the Department. The faculty is committed to teaching and research.

**Honors & Distinctions**

Dr. Vandana Roy received fellowship of FAIMER (Foundation for Advancement in Medical education and Research), Philadelphia USA, Regional Centre, Christian Medical College, Ludhiana.

Dr. Vandana Roy delivered the 11th Professor Nasim Ansari Oration, at the Ibn Sina Institute of Medieval Medicine & Sciences, Aligarh, April 7th, 2017.

Dr. Vandana Roy received a certificate of recognition from Delhi State Health Mission, Department of Health & Family Welfare, Government of NCT of Delhi for contributing to the development of Standard Operating Procedures SOPs for Pharmacy (07) for the hospitals of GNCTD Delhi in the year 2016-2017.

**Publications**

Agarwal, M., Ahmad, J., & Roy, V. (2017). Knowledge, attitude and practice of pharmacovigilance among health care providers of a tertiary care teaching hospital in New Delhi, India. *MAMC J of Medical Sciences*. 3(3), 146-151.

Chawla, S., Agarwal, M., Sharma, S., Jiloha, R. C. (2017). Drug utilisation study of psychotropic drugs among psychiatric outpatients in a tertiary care hospital. *Indian J Pharma Sci*, 79 (6), 1008-1013

Chawla, S., & Kumar, S. (2017). Adverse drug reactions and their impact on quality of life in patients on antipsychotic therapy at tertiary care center in Delhi. *Indian Journal of psychological Medicine*. May-Jun 39, 293-298.

Roy, V. (2017). Graduate medical education in India- Perspective on goals. *J Ratl Pharmacother Res*. 3(10), 11-19.

Roy, V., & Gupta U. (2017). Improving access to low cost, quality medicines in India: A case study. (Abstract) book, *3rd IIMA International Conference on Advances in Healthcare Management Services*. Organised by Centre for Management of Health Services, IIM Ahmedabad. December 9th-10th, 11.

Roy, V. (2017). Rational prescribing: P drug concept. [Abstract]. *Journal of rational pharmacotherapeutics & Research*. 3, 12.

Singhal, S, Roy, V. (2017). Awareness, Practice and Views about integrating AYUSH in allopathic curriculum of allopathic doctors & interns in a tertiary care, teaching hospital in New Delhi (India). *Journal of Integrative Medicine* [Accepted, 18th Dec 2017]

Tayal, V, Roy V. (2017). Serratiopeptidase containing preparations in the market: rationality and costs. *MAMC Journal of Medical Sciences*. 3(3), 152-58.

## **Journals**

Two faculty are members of Editorial Board of MAMC Journal of Medical Sciences.

## **Research projects**

### **Ongoing Projects**

To evaluate co morbid depression in newly diagnosed patients with tuberculosis in the DOTS clinic of LN Hospital. Dr. Vandana Roy, Dr. Proteesh Rana, Dr. Seema Kapoor, Dr. Ashwini Khanna, 2017 onwards,( Grant 5 lacs, Delhi State TB Office).

Ameliorative effect of thymoquinone against colistin induced renal injury, Dr. Vandana Roy, Dr. Nazar, Dr B.Koner, Dr. Nita Khurana, Dr Akhilesh Mishra, 2017 onwards, Submitted for funding.

To evaluate the protective effect of Azadirachta indica leaf extract on chemically induced colon cancer in rats. Dr. Vandana Roy, Dr Angelika Batta, Dr. Monika Agarwal, Dr. Nita Khurana, Dr. Akhilesh Mishra, 2017 onwards, Submitted for funding.

To study neuroprotective effect of Zingiber officinale (Ginger) in Aluminium Chloride induced Alzheimer's disease in rat model, Dr. Vandana Roy, Dr. Kavita, Dr. Vandana Tayal, Dr. Akhilesh Mishra, Dr. Binita Goswami, Dr. Nita Khurana. 2017 onwards, Submitted for funding.

Randomized controlled study to compare the efficacy and safety of Biocurcumin and Paracetamol in patients of osteoarthritis of Knee joints, Dr. Bhupinder Singh, Dr Shubha Singal, 2017 onwards, Resources supplied by Drug Company.

Efficacy of Withania somnifera (Ashwagandha) and Bacopa monnieri (Brahmi) extracts on alcohol withdrawal syndrome in rats. Dr. Bhupinder Singh, Sh Pushpit. Resources supplied by Drug Company.

Antinociceptive and antiinflammatory activities of Serratopeptidase, Boswellia serrata and diclofenac in rats, Dr. Bhupinder Singh, Dr Shubha Singhal, Dr Vandana Roy, 2017 onwards, Resources supplied by Drug Company.

Awareness, Practice and Views about integrating AYUSH in allopathic curriculum of allopathic doctors and interns in a tertiary care, teaching hospital in New Delhi (India), Dr. Vandana Roy, Dr. Shubha Singhal, 2016-2017, Non funded not required

Patient's knowledge of prescribed medications and factors affecting it in a tertiary care teaching hospital. ICMR Short term studentship 2017, Anirudh Kansal, Supervisor: Dr. Vandana Roy, 2017.

To study the impact of whatsapp and facebook usage on academic, social and professional aspects of medical students and residents doctors, Dr. Shalini Chawla, Dr Shubha Singhal, 2016 onwards.

A survey of knowledge and beliefs about anti microbials use among prescribers in a teaching tertiary care hospital, Dr. Shalini Chawla, Dr Shivani, 2016 onwards.

Details of thesis completed during current year

Mefenamic acid and diclofenac in the treatment of menorrhagia and dysmenorrhoea in dysfunctional uterine bleeding – a randomized comparative study, Dr. Sahil Kumar, Supervisor: Dr. Uma Tekur, Co Supervisor: Dr. Bhupinder Kalra, Dr. Devender Kumar.

Effect of trimethoprim-sulfamethoxazole / norfloxacin on faecal microbiota, resistance pattern, efficacy and tolerability in patients receiving prophylaxis for spontaneous bacterial peritonitis. Dr. Sidhartha Dutta, Supervisor: Dr. Shalini Chawla, Co Supervisor: Dr. Vandana Roy, Dr. Sidhartha Srivastava, Dr. Poonam Lamba.

### **Conferences organised**

Dr. Vandana Roy: Organised a 3rd CME and Workshop on “Improving Availability and Rational Use of Medicines in Public Health” for doctors working in Delhi Government health Facilities, at Maulana Azad Medical Colleges & Associated Hospitals, 20th -23rd Feb, 2018. Funded by Government of NCT of Delhi.

Dr Shalini Chawla Organised a 6th CME Workshop on “Pharmacovigilance” for health care providers working in Maulana Azad Medical College & Associated Hospitals, March 22nd, 2018. Funded by Government of NCT of Delhi.

### **Seminar/Conference Presentations**

Dr. Vandana Roy:

Delivered a talk on Causality assessment of adverse drug reactions: Logic & Methods. National Coordination Center, Pharmacovigilance Program of India, Indian Pharmacopoeia Commission, Ghaziabad. August 28<sup>th</sup> – Sept. 1<sup>st</sup>, 2017.

Delivered a talk on Pharmacovigilance in Resource poor settings in a workshop on Safe guarding quality of medicines in resource poor settings. Organised by IIHMR, School of Pharmaceutical Management. Sept. 18<sup>th</sup>-22<sup>nd</sup>, 2017.

Delivered a talk on Impact of Essential medicines policy on availability of quality medicines in a Workshop on Safe guarding quality of medicines in resource poor settings. Organised by Indian Institute of Health Management Research (IIHMR), School of Pharmaceutical Management. September 18<sup>th</sup>- 22<sup>nd</sup>, 2017.

Delivered a talk on Rational prescribing: P medicine concept in Pre conference workshop, 9th National conference of Indian Society of Rational Pharmacotherapeutics. Department of Pharmacology, Aligarh Muslim University, Nov. 19<sup>th</sup>-21<sup>st</sup>, 2017.

Presented a paper “Improving access to medicines in India: A case study. In 3rd IIMA International Conference on Advances in Healthcare Management Services, held in IIM Ahmadabad. Organised by Centre for Management of Health Services, IIM. Dec. 9<sup>th</sup>-10<sup>th</sup> 2017.

Delivered a Lecture on “Essential Medicine concept” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi, Dept of Pharmacology, MAMC. Feb. 20<sup>th</sup>-23<sup>rd</sup>, 2018.

Delivered a Lecture on “Need for Pharmacovigilance” in 6th CME and workshop on Pharmacovigilance for patient safety, Department of Pharmacology, MAMC. March 22<sup>nd</sup>, 2018.

Dr. Shalini Chawla:

Guest lecture on “Basic concepts of pharmacovigilance in monitoring & reporting,” at Apollo Institute of Medical Sciences, Hyderabad, April 3<sup>rd</sup>, 2017.

Guest lecture on “Drug use in elderly and techniques avoid poly pharmacy”, at Aditya Birla Memorial Hospital, 5th National Conference, ABMH pharmacon V, Pune India. College, Nov. 4<sup>th</sup> 2017.

Guest lecture on Medical Ethics at Symposium on “Defining molecular drivers of ageing and their implications in related diseases.” at Department of Physiology, MAMC, New Delhi. Nov. 18<sup>th</sup>, 2017.

Presented a Lecture on “P-Medicine concept” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20<sup>th</sup>-23<sup>rd</sup>, 2018.

Presented a Lecture on “ADR monitoring in MAMC” in 6th CME and workshop on Pharmacovigilance for patient safety, MAMC, March 22<sup>nd</sup>, 2018.

Dr Bhupinder Singh:

Presented a lecture on “Adverse Drug Reactions” in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20<sup>th</sup>-23<sup>rd</sup>, 2018.

Dr Vandana Tayal

Presented a lecture on “Reporting Adverse Drug Reactions” as a faculty in 3rd CME workshop on “Improving Availability and Rational Use of Medicines” in Public Health Facilities under Government of NCT Delhi,, Dept of Pharmacology, MAMC, Feb. 20<sup>th</sup>-23<sup>rd</sup>, 2018

Presented a lecture on “Medication Errors” as a faculty in 6th CME and workshop on Pharmacovigilance for patient safety held on 22nd March 2018, MAMC.

Dr. Sahil kumar

Oral presentation on “Mefenamic Acid and Diclofenac in the treatment of menorrhagia and dysmenorrhea in dysfunctional uterine bleeding- a randomized comparative study.” organised by 6th International & 9th national conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCON) 2017 at Jawaharlal Nehru Medical College, AMU, Aligarh. Nov. 20th to 21<sup>st</sup>, 2017 .

Dr Siddhartha Dutta

Oral presentation on “Effect of Trimethoprim-Sulfamethoxazole/ Norfloxacin on fecal microbiota, resistance pattern, efficacy and tolerability in patients receiving prophylaxis for Spontaneous Bacterial Peritonitis..” organised by 6th International & 9th national conference of indian society for rational pharmacotherapeutics (ISRPTCON) – 2017 at Jawaharlal Nehru Medical College, AMU, Aligarh. Nov. 20<sup>th</sup> to 21<sup>st</sup> 2017.

#### **Placement Details**

**Number and percentage of students placed** – 100% placement. Three post graduates (3 out of 3 MD candidates) joined Pharmaceutical company.

#### **Extension and Outreach activities**

The Department is preparing a program to sensitize & train all nurse working in hospitals attached to the college in pharmacovigilance. Initially it is being proposed to train nearly 1600 nurses working in associated hospitals of MAMC.

The Department conducts a workshop annually to train health care provides (Doctors nurse & Pharmacist) working in hospitals associated with Delhi Government, in rational use of drugs, better prescription, essential medicines concept etc.

#### **Awarded MD in Pharmacology: 3**

**Number of faculty:** 4

#### **Other Significant Information**

Health Services to the Community

Department is conducting programmes related to improve safe and rational use of medicines for the community. These include:-

##### **a)Monitoring of Adverse Drug Reactions**

Department of Pharmacology, MAMC is a recognized center for monitoring adverse drug reactions under the Pharmacovigilance Programme of India, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Government of India. The Department has reported 411 Individual case Safety Reports (ICSRs) to the National Pharmacovigilance Centre for reporting to the International Centre for Pharmacovigilance at Uppsala, through Vigibase in 2017

Number of Adverse drug reaction (ADR)reported till date

Year	Nos. of ADRs Reported
2014 (Sept-Dec)	85
2015 (Jan-Dec)	358
2016 (Jan-Feb and Oct-Dec)	90 (Pharmacovigilance Associate not available between Feb'16 to Sep'16)
2017 (Jan-Dec.)	411

##### **b) Improving availability & rational use of medicines in public health facilities**

The Department is annually conducting workshops on Improving availability and Rational use of medicines in public health facilities, training doctors working in Delhi Government Hospitals on aspects related to improved selection, prescribing and rational use of medicines. This will help them manage medicines better. Such training if implemented in practice will result in improved access to essential medicines and their safe use for the community in public health facilities. This year the third workshop was held.

##### **c) Therapeutic Drug Monitoring**

The Department measures drug levels in patient samples and drug samples.

Laboratory data

Name of the Laboratory	Therapeutic Drug Monitoring
Tests	Number of tests
Estimation of Lithium	25
Estimation of Steroids	20

New facilities added:

The department is undergoing major renovation of laboratories, seminar rooms and faculty rooms.

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## PHYSIOLOGY (LHMC)

### Major Activities and achievements

The department is involved in various research programs and teaching activities. The research has been conducted on the various neurophysiological parameters including P300, Nerve conduction velocity and cognitive function tests. The studies involved the patients of 'Chronic obstructive pulmonary disease' (COPD), Type 2 Diabetes Mellitus, Pre-diabetes and Attention deficit hyperactivity disorder. The studies have also been conducted on the pulmonary function tests and Heart rate variability on patients of Type 2 Diabetes Mellitus and autonomic functions in Attention deficit hyperactivity disorder. Since its establishment the Yoga & Lifestyle intervention Centre in the department of Physiology, has come a long way, where patients suffering from various ailments are being benefited by attending the yoga practices in the center. A number of medical students, doctors & nursing staff are also availing the facilities of the center. The department is carrying out research on the effects of Yoga practices (integrated yogic practices), on the Heart Rate variability in patients of polycystic ovarian disease as well as postmenopausal women. The studies regarding same presented in various national and international conferences.

### Publications

Papers published:

Praveena, S. M., Asha, G., Sunita, M., & Ratna, B. (2018). Yoga offers cardiovascular protection in early postmenopausal women. *Int yoga*, 11, 37-43.

Pramesh, Dogra, Sunita, Mondal, Rajiv, Bandhu, Dinesh, Kataria, Om Sai Ramesh V, Mukul, Adlakha. (2018). HRV in Attention-deficit/hyperactivity disorder (ADHD) before and after Methylphenidate. *International Journal of Scientific Research*, 7, 3,

Manawat, R., Shweta. (2018). Effect of six minute walk test in obesity. *International Journal of Medical Science and Public Health*, 7(4), 263-64.

### Papers presented in conference

Verma A, Gandhi A, Gautam S, Biswas R, Jain A, Mondal S Effect of Yoga on Insulin Resistance in PCOS Patients. *IJPPAZ*; 2017:61 (5):193.

Dogra P, Mondal S, Bandhu R, Kataria D. Heart Rate Variability in children with Attention-deficit/hyperactivity disorder (ADHD) before and after treatment with Methylphenidate. *IJPPAZ*; 2017:61 (5):236.

Bhardwaj S, Mondal S, Bandhu R, Chaudhury D, Malik E, Adlakha M.. Glycaemic control and cognitive functions in patients of Type 2 diabetes mellitus. Poster presentation held on 18/11/17 at MAMC, New Delhi.

### Research Projects

Doctoral (MD Thesis) Research Projects

Autonomic function in patients of Attention Deficit Hyperactivity Disorder (Submitted), Dr. Pramesh Dogra (PG Student), Dr. Sunita Mondal, Dr. Rajiv Bandhu.

Study of heart variability, autonomic reactivity and insulin resistance in patients of Polycystic ovarian syndrome undergoing yoga (Submitted), Dr. Anushka Verma (PG Student), Dr. Asha Gandhi, Dr. Sujata Gautam

Undergraduate (ICMR STS Research Project )

Cognitive Function in School Going Adolescents using Smartphones: A Preliminary Study. , Ms. Shubhi (3rd Semester), Dr. Mary Vibha Lakra.

Departmental Research Project

Electrophysiological Study of Cognitive Function in Children with Idiopathic Childhood Epilepsy, PI-Dr. Madhulika Monga, Associate Professor Co-PI Dr. S. Mondal Dr. Namita

### Seminars organised

"International Yoga Day" celebration at LHMC, Deptt of Physiology, on 21.06.2017. Organizing Secretary: Dr. Rajiv Bandhu Dr. Anita Pawar



“Third Intercollegiate Undergraduate Physiology Quiz competition” at S. J. Auditorium, LHMC ,Organizing Chairperson: Dr.Sunita Mondal,Organizing Secretary, Feb. 21<sup>st</sup>, 2018.

Dr. Sujata Gautam,Dr. Mary Vibha Lakra Launch of “ Student Mentorship Programme” for MBBS Batch 2017-18. Organizing Secretary: Dr. Anita Pawar, Dr. Madhulika Monga, Oct. 4<sup>th</sup> ,2017.

### **Seminars/ Conference Presentations**

Dr. Sujata Gautam, Dr. Mary Vibha Lakra as Delegate, at Deptt of Physiology,AIIMS, New Delhi.Workshop on “Last mile connectivity for Indigenous medical devices developed under DST- Hands on workshop on available technologies” ,at AIIMS, New Delhi. March 27<sup>th</sup>,2017

Dr. Sunita Mondal,Dr Sandeep S. Chauhan as Chairperson at Department of Physiology, JIPMER, Puducherry. APPICON 2017, JIPMER, Puducherry. Oct. 12<sup>th</sup>- 14<sup>th</sup> , 2017.

Dr Sujata Gautam, as Judge at Department of Physiology, JIPMER, Puducherry APPICON 2017at JIPMER, Puducherry, Oct. 12<sup>th</sup>- 14<sup>th</sup> , 2017

Dr. Rajiv Bandhu, as Subject Expert at DGHS, MOHFW, Nirman Bhawan, New Delhi. Workshop for finalisation of the Module on Pre Hospital Trauma Technician Course at Nirman Bhawan, New Delhi. Oct. 24<sup>th</sup> , 2017.

Dr. Anita Pawar, Faculty Co- facilitator,Medical Education Unit, LHMC.Stress management workshop at LHMC,New Delhi, Dec. 30<sup>th</sup>,2017

Dr. Sunita Mondal, Speaker,MAMC, New Delhi.Symposium on “Defining Molecular drivers of Aging” at MAMC, New Delhi, Nov. 18<sup>th</sup> , 2017

Dr Madhulika Monga, Dr Dharmendra Basu, Dr. Shweta, Dr PankajK Keshri as Delegate Medical Education Unit, LHMC.Teacher Training Course, at LHMC,New Delhi, Dec. 4<sup>th</sup> -6<sup>th</sup> , 2017.

Dr. Sunita Mondal, as Delegate at Institute Of Secretariat Training And Management, New Delhi.Workshop For Liaison Officers (SC/ST) , at ISTM, New Delhi, Jan. 8<sup>th</sup> - 9<sup>th</sup> , 2018.

Dr Madhulika .Monga, Observership, Deptt of Neurophysiology,Sir Ganga Ram Hospital  
Clinical Neurophysiology at Sir Ganga Ram Hospital, New Delhi. Feb. 1st- March 1st ,2018

Dr. Sunita Mondal, Chaired a session, at Lady Hardinge Medical College, New Delhi,  
Research Ethics and Good Clinical Practices at LHMC, New Delhi. March 9<sup>th</sup> , 2018.

### **Faculty Strength: 14**

#### **Other significant Information**

Special achievements of the staff e.g. Medals/Awards:

Dr. Pankaj Kumar Keshri, Assistant Prof. won 1st Prize in “Hindi Annual (translation)” in Hindi Prakhwada ,organised by Hindi Section in LHMC.Sept. 2017

Dr. Pankaj Kumar Keshri, Assistant Prof. won 2nd Prize in “Essay Writing” in Hindi Prakhwada, organised by Hindi Section in LHMC,Sept. 2017 .

Dr. Pankaj Kumar Keshri, Assistant Prof. won Consolation Prize in “Shrutlekh (Dictation)” in Hindi Prakhwada, organised by Hindi Section in LHM,. Sept. 2017.

Dr. Shweta, Assistant Prof. won Consolation Prize in “Hindi Anuwad (translation)” in Hindi Prakhwada organised by Hindi Section in LHMC. (Organizing Chairperson: Dr. Sunita Mondal, Organizing Secretary: Dr. Sujata Gautam&

Dr. Mary Vibha Lakra) , Sept. 2017.

Ms Isha Gupta& Ms Anamika Roy , students of MBBS third semester won the second prize in “Third Intercollegiate Undergraduate Physiology Quiz competition” organised by the Department of Physiology LHMC, New Delhi , Feb. 21<sup>st</sup> ,2018.

The Department of Physiology has organised “Third Intercollegiate Undergraduate Physiology Quiz competition” at S. J. Auditorium, LHMC, New Delhi, (Organizing Chairperson: Dr. Sunita Mondal, Organizing Secretary: Dr. Sujata Gautam& Dr. Mary Vibha Lakra). Teams from Fourteen Medical Colleges of Delhi & NCR have participated & students of MBBS third semester from LHMC won the second prize. Feb. 21st, 2018.

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## PHYSIOLOGY (MAMC)

### Major activities and achievements

The department of physiology is concerned with teaching, research and administrative works. Students of MBBS, BDS, Nursing, MD are taught. The department co-ordinates the internship programme of the institute for MBBS students. In year 2017- 2018, department of physiology organised a symposium and a 1<sup>st</sup> year undergraduate quiz.

### Publications

Singh, A. K, Krishana, B, Gupta, M. (2017). Assessment of olfactory dysfunction in Parkinson's disease. *International Journal of integrative medical sciences*. 4(7), 528-536.

Mahajan, A. S., Agarwal, P. (2017). Current Perspective in Vitamin D Deficiency. *A mini review. J Physiol Biomed Sci*, 30(1), 5-11.

Sinha, S. S., Jain, A. K., Tyagi, S., Gupta, S. K., & Mahajan, A. S. (2018). Effect of 6 months of medication on blood sugar, glycosylated haemoglobin and insulin levels in patients of coronary artery disease. *Int J Yoga*. 11, 122-8.

Mahaur, R., Jain, P., & Jain, A. K. (2017). Association of mental health to emotional intelligence in medical undergraduate students: Are there gender differences. *Indian Journal of Physiology and Pharmacology*. 61(4), 383-391.

Jain, S., Jain, P., Jain, A. K. (2017). Prevalence sources and severity of stress among new undergraduate medical entrants. *South-east Asian Journal of Medical Education*. 11(1), 9-18.

Dr. A. K. Jain

Has written the following books during the year:

Textbook of Physiology Vol. I & II VIIth Ed. (July 2017).

Human Physiology for BDS VIth Edition (Aug. 2017).

Manual of Practical Physiology for BDS IVth Ed. (March 2018).

Publisher of all books: Avichal Publishing Co.1969/30 Naiwala Karolbagh New Delhi

### Journals

Dr. D Robinson is on the advisory board (National) in Indian journal of Applied Basic Medical Sciences.

### Conferences organised

Department of Physiology organised a Symposium on "Defining molecular drivers of ageing and their implication in related diseases." organised by Department of Physiology, MAMC, Nov. 18<sup>th</sup>, 2017.

### Seminar/Conference Presentations

Faculty members attended the following conferences:

Dr. Daya Ram Haldwani, Dr. Mona Bedi, Dr. Aarti Sood Mahajan, Dr. Preeti Jain, Dr. D. Robinson attended 63rd annual National Conference of Association of Physiologist and Pharmacologist of India APPICON 2017 "Physiology beyond academics in the Era of Translational Research" in October 2017, organised by the Department of Physiology, JIPMER, Pondicherry.

Dr. V. P. Varshney, Dr. Bal Krishan, Dr. Daya Ram Haldwani, Dr. Mona Bedi, Dr. Aarti Sood Mahajan, Dr. Preeti Jain Participated in the symposium on coagulation disorder and metabolic targets of anti-platelet therapy. An update organised by department of biochemistry, Maulana Azad Medical College. Nov. 11<sup>th</sup>, 2017.

Dr. V P Varshney

Participated in the workshop on "Ultimate physiology teaching solution using a computerised system" organised by dept. of physiology under APPI, Delhi chapter, VMMC and Safdarjung hospital New Delhi, Feb. 5<sup>th</sup>, 2018.

Organising secretary of symposium as "Defining molecular drivers of ageing and their implications in related diseases" organised by Dept. of Physiology, MAMC, New Delhi as a organizer and delegate.

Organising secretary of "First undergraduate physiology quiz 2018" at Dept. Of Physiology, MAMC, New Delhi, March 27<sup>th</sup>, 2018.

Dr. Daya Ram Haldwani

Participated as a delegate in the workshop on ultimate physiology teaching solutions using a computerized system organised by dept. of physiology under APPI, Delhi chapter , VMMC and Safdarjung hospital New Delhi, Feb.5<sup>th</sup> 2018.

Participated as chairperson in the symposium as “Defining molecular drivers of ageing and their implications in related diseases” organised by dept. of Physiology, MAMC, New Delhi.

Participated as judge in the Ist year undergraduate physiology quiz organised by dept. of physiology, MAMC, New Delhi.

Attended CME on “Newer initiative in tuberculosis treatment”organised by dept. of community medicine held at new lecture theatre, MAMC, New Delhi. March 25<sup>th</sup> , 2018

Dr. Mona Bedi

Attended APPICON 2017 CME at Pondicherry “Physiology beyond academic in the era of translational research”, Oct. 11<sup>th</sup>, 2017.

Participated in the workshop on “Ultimate physiology teaching solution using a computerised system”organised by Dept. of Physiology under APPI, Delhi chapter , VMMC and Safdarjung hospital New Delhi, Feb. 5<sup>th</sup> 2018.

Actively participated in in the symposium as “Defining molecular drivers of ageing and their implications in related diseases” organised by dept. of Physiology, MAMC, New Delhi as a organizer and delegate.

Organising secretary of “First undergraduate physiology quiz 2018” at Dept. Of Physiology, MAMC, New Delhi, March 27<sup>th</sup>, 2018.

Dr Preeti Jain

Jain P, Mahuar R, Jain A.K (2017) A Hierarchical Regression modeling on predictors of psychological health in medical students. Poster presented in 63rd APPICON, held at JIPMER, Pondicherry, Oct. 10<sup>th</sup>-14<sup>th</sup> , 2017.

Dr. Aquil Ahmad

Member of the organizing committee for the symposium held on “Defining Molecular Drivers of Ageing & Their Implications in Related Diseases”by Deptt of physiology, Maulana Azad Medical College, New Delhi, Nov. 2017.

Member of the organizing committee for the “First Undergraduate Physiology Quiz,2018” by Deptt of physiology, Maulana Azad Medical College, New Delhi, March, 2018.

Workshop on Ultimate Teaching Solution Using a Computerized System organised by deptt of physiology, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, Feb. 2018.

#### **Faculty Strength: 10**

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### **PSYCHIATRY, GIPMER**

#### **Honours/ Distinctions**

Dr. Arun Lata Agarwal was awarded the Indian Media Welfare Award on 17.6.2017

#### **Publications**

Chaudhary, A. H., Khurana, P., Biswas, P. S. (2018). Epidemiology & risk factors for Multidrug-resistant bacteria in critically ill patients with liver disease. *Saudi J. Anaesthesia*, 2018:12(3).

#### **Presentation**

On-going project: Study of serum creatinine phosphokinase (CPK) levels in psychiatric inpatients – Dr. Seram Chaoba

Thesis completed during the current year: A study of prevalence of psychiatric comorbidity, quality of life and disability in patients of bipolar disorders – Dr. Gunja Sengupta

### **Conference/workshops/symposia**

Dr. Anurag Jhanjee presented paper titled “Depression and Dementia: A chicken and egg conundrum” at the Annual Conference of Indian Association of Private Psychiatry (ANCIAPP 2017)

### **Students under exchange programme:**

Trainees from other agencies:

Nursing, R. A. K. Nursing College, ABCON, Theory and practical for 2 weeks.

Observership, Psychology, 30-40 days

Post Graduate Diploma in Geriatric Medicine, IGNOU, 9-10 classes over two semesters

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## **PULMONARY MEDICINE (VPCI)**

### **Major Activities/Achievements**

Postgraduate medical education and patient care are the thrust areas of the Department of Pulmonary Medicine at VPCI. The clinical wing under the department known as Viswanathan Chest Hospital is a tertiary care center providing specialized clinical consultations, diagnostics and treatment services to patients referred from all over India and neighboring countries. During the period the OPD of the hospital registered 11864 new patients and 56823 follow-up cases. The IPD admitted 4258 patients in General and Emergency wards. The RICU admitted 357 patients. A total of 22,899 patients were provided Emergency services. Specialized investigations provided included 2125 skin allergy tests, 22640 pulmonary function tests, 22097 x rays, 52574 clinical biochemistry, 5432 serum IgE tests, 9972 Arterial Blood Gases, 3943 microbiological tests, over 11000 tests mycological tests 31000 pathological, investigations.

The Tobacco Cessation Clinic has provided counselling services to 398 new and 172 follow-up subjects besides training physicians, counsellors, volunteers and other stake holders involved in smoking cessation. The Yoga Therapy and Research Centre has provided services to 3846 subjects by Yoga. The Cardio-Pulmonary Rehabilitation Clinic provided breathing retraining education, rehabilitation programme services to over 400 patients. Further, The department conducted research studies on Prevalence of aeroallergens in patients of bronchial asthma and/or allergic rhinitis in India based on skin prick test reactivity; Identification of airborne pollens in Delhi.

### **Honours/Awards**

Dr. Raj Kumar Environmental Excellence Award 2017, Exemplary Contribution for protecting environment on 28.12.2017 by Environment and Social Development Association (ESDA) Delhi, India.

### **Publications**

Gulati, K., Babita, Kumar, Raj, Menon, B. K., & Ray, A. (2017). A clinical study to evaluate the effects of yogic intervention on pulmonary functions, inflammatory marker and quality of life in patients of bronchial asthma. *Pharmacol Toxicol*, 3(6), 174–81.

Kumar, R., & Kotwani, A. (2017). Rising threat of antimicrobial resistance: judicious use of antibiotics is the way forward (Editorial). *Indian J Chest Dis Allied Sci*, 59,165–6.

Pandey, A., Kulshrestha, R., Menon, B., Rajkumar, & Gaur, S. N. (2018). Anthracotic pigment in transbronchial lung biopsy: An innocent bystander or pathogenic agent for parenchymal lung disease. *Indian J Chest Dis Allied Sci*, 60, 27-31.

Rohil, Vishwajeet, Vijayan, V. K., Kumar, Raj, Joshi, Rini, Pavani, P., Paul, Shweta, Sharma, A., & Rahman, M. (2017). A study on the correlation of Matrix Metalloproteinase MMP1 in COPD and smoking in the North Indian population. *Asian J Med Sci*, 8(1), 5-14.

Kumar, R., Gupta, N., Goel, N., Poongadan, M. N., & Balasubramanian, V. (2017). Clinical Spectrum of 106 Cigarette and Bidi Smokers and Nonsmokers with Lung Cancer at a Tertiary Care Centre in India. *Indian J Chest Dis Allied Sci*, 59, 69-74.

Choudhari, O. K., Spalgais, S., Ojha, U. C., Murar, A. K., & Verma, A. K. (2017). Miliary tuberculosis with bilateral recurrent pneumothoraces. *Astrocyte*, 4,192-4.

Gupta, A., & Mrigpuri, P. (2017). Assessment of clinico-radiological correlation with CT guided FNAC of different lung lesions: A hospital based study. *International Journal of Contemporary Medical Research*, 4(6), 290-293.

Gupta, A., & Mrigpuri, P. (2018). Unilateral reexpansion pulmonary edema after tube thoracostomy: A case report. *Indian J Case Reports*, 4(2), 92-94.

### **Chapters in Books**

Kumar, Raj. (2017). *Allergy testing. 42<sup>nd</sup> workshop on respiratory allergy, diagnosis and management*, (pp.52-89). Delhi: NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

Prasad, Rajendra & Kumar, Raj. (2017). *Allergy situation in India. 42<sup>nd</sup> workshop on respiratory allergy, diagnosis, and management*, (pp.1-4), NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

Kumar, Raj. (2017). *Food allergy in bronchial asthma. 42<sup>nd</sup> workshop on respiratory allergy, diagnosis and management*, (pp. 90-96), NCRAAI, VP Chest Institute. [ISBN: 968-81-920556-2-9].

### **Journals**

Published by the Dept: Indian Journal of Chest Diseases and Allied Sciences (IJCDAS)

Number of faculty serving as Editor(s)/Member(s)/ Dr. Raj Kumar, Director (Actg.), Editor-in-Chief

Dr. Balakrishnan Menon, Member of Editorial Board

### **Research Projects**

ICMR, 2015 for 3 yrs : Indoor Air Pollution and Asthma Exacerbation in Children: A Population Based Study, Amount sanctioned Rs 125.00 lakhs.

ICMR 2016, 3 yrs, Effect of Outdoor Air Pollution on Acute Respiratory Symptoms in Delhi - A multisite project. Amount sanctioned Rs 22.00 lakhs.

Ministry of Health & Family ,Welfare, GOI ,2016, 3 yrs, Tobacco Quitline Services (TQLS) at Vallabhbhai Patel Chest Institute, Delhi. Amount sanctioned Rs 102.00 lakhs.

### **Seminars Organised**

42<sup>nd</sup> Workshop on Respiratory Allergy: Diagnosis and Management, April 24<sup>th</sup> -28<sup>th</sup> , 2017.

Workshop on “Good Inhalation Therapy Practices for Nursing Staff” Nov. 27<sup>th</sup>-29<sup>th</sup> 2017.

Workshop Update on Bronchial Asthma & Good Nebulization Practice, Dec. 30<sup>th</sup> ,2017)

Public Lecture on “Harmful Effect of Tobacco and How to Quit Tobacco” Dec.14<sup>th</sup> , 2017)

Public Lecture on “Awareness of Tuberculosis: An Age Old Menace”, Dec. 29<sup>th</sup> , 2017)

### **Conferences Organised**

1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy where VPCI had entered into an MoU with the Dept of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association, Dec. 8<sup>th</sup> - 9<sup>th</sup> ,2017

### **Seminar/Conference Presentations**

Dr. Raj Kumar, Masterclass- Allergy Diagnosis and Allergen Immunotherapy’ University Hospital Munster, Munster, Germany, April 5<sup>th</sup> – 8<sup>th</sup> , 2017.

Dr. Raj Kumar, Organizing Secretary, delivered lecture on Food allergy in Bronchial Asthma’ V. P. Chest Institute & CSIR- IGIB, 42<sup>nd</sup> Workshop on Respiratory Allergy: Diagnosis and Management Delhi, April 24<sup>th</sup>-28<sup>th</sup> , 2017.

Dr. Raj Kumar, Guest Lecture, on ‘Experience of Tobacco Quit line in National Institute of Cancer Prevention and Research, Noida WHO FCTC Global Knowledge Hub on SLT, New Delhi, Aug.16<sup>th</sup>-18<sup>th</sup> , 2017.

Dr. Raj Kumar, Guest Lecture, on ‘Allergy Management: Evidence from the last Decade’ AIIMS, New Delhi, Allergy Diagnosis and Allergen Immunotherapy Workshop - Scientific Session Agenda New Delhi, Aug. 20<sup>th</sup> , 2017

Dr. Raj Kumar, Organizing Chairman, delivered Guest Lecture, on 'Patient Selection for Allergen Immunotherapy' V. P. Chest Institute, 1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy Delhi, Dec 8<sup>th</sup> – 9<sup>th</sup>, 2017.

Dr Nitin Goel, Treasurer and delivered talk on "Practical training of Allergy testing" V. P. Chest Institute & CSIR-IGIB, 42nd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi, April 24<sup>th</sup>- 28<sup>th</sup>, 2017.

Dr Nitin Goel, Lecture on "Patient Counselling", V. P. Chest Institute, Update on Bronchial asthma and nebulization workshop, Delhi, Nov. 30<sup>th</sup> 2017.

Dr. Sonam Spalgais, Lecture on "Smoking Cessation Among Patient Attending Respiratory OPD in a Tertiary Care Hospital", The Indian Chest Society and The National College of Chest Physicians (I) NAPCON 2017, Kolkata, Nov. 16<sup>th</sup>-19<sup>th</sup>, 2017.

Dr. Sonam Spalgais, Lecture on "Role of FENO in Asthma 21st June 2018". V. P. Chest Institute & CSIR-IGIB, 43rd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi, 18 to 22 June 2018

Dr Parul Mrigpuri, Joint Secretary & delivered talk on "Allergen vs Irritant- Which is relevant?" , V. P. Chest Institute & CSIR-IGIB, 43rd Workshop on Respiratory Allergy: Diagnosis and Management, Delhi 18 to 22 June 2018

### **National/International MoUs Signed**

With Indian/Foreign Universities

VPCI had entered into an MoU with the Dept of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

### **Other Inter-Institutional Collaboration**

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi.

All India Institute of Medical Sciences, New Delhi.

National Institute of Immunology, JNU, New Delhi

Defence Institute of Physiology and Allied Sciences, DRDO, Timarpur Delhi

CSIR-IGIB (Institute of Genomics and Integrative Biology), Mall Road, Delhi

Centre for Physiotherapy & Rehabilitation Sciences, Jamia Milia Islamia, New Delhi. Indian Spinal Injuries Centre, Vasant Kunj, Delhi-110070

### **No. of degrees awarded MPhil, PhD -06**

### **Faculty Strength: 5**

### **Other Significant Information**

Distinguished Visitors

Shri J.P. Nadda, Hon'ble Union Minister of Health & Family Welfare, Government of India, New Delhi.

Prof. Randolph Brehler, Department Of Allergology, University Hospital Munster, Klinikum, Munster, Germany.

Dr. Randeep Gularia, Director, AIIMS, New Delhi.

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## **RADIODIAGNOSIS (LHMC)**

### **Major Activities and Achievements**

The department carries out clinical as well as research work. The strengths include the guidance by experienced senior faculty and a harmonious working environment that is founded on team-work. Research work is carried out in the form of thesis allotted to all MD students. Our students learn practical aspects of Radiology as they are exposed to a wide diversity of clinical cases, especially pediatric cases. This year, our department was involved in the organization of a conference on 'Delhi Imaging Update 2018' the Annual Conference of Delhi State Chapter of Indian Radiological and Imaging Association (IRIA) (February 23-25, 2018). This was a good learning opportunity for students, as well as participating delegates. Our students also attended various other conferences, and presented papers or posters. The faculty was actively involved in teaching activities, and took lectures at various conferences.

**Publications Total Number: 6**

Kumar, S., Abbey, P., & Handa, A. (2017). Bilateral cervico-dorsal gossypibom presenting as discharging sinus. *Asian Journal of Neurosurgery*, 12(1), 92-94.

Sahu, B., Abbey, P., Anand, R., Kumar, A., Tomer, S., & Malik, E. (2017). Severity assessment of acute pancreatitis using CT severity index and modified CT severity index: Correlation with clinical outcomes and severity grading as per the Revised Atlanta Classification. *Indian J Radiol Imaging*, 27, 152-60.

Gupta, N., Grover, H., Bansal, I., Hooda, K., Sapires, J. M., Anand, R. and Kumar, Y. (2017). Neonatal cranial sonography: ultrasound findings in neonatal meningitis—a pictorial review. *Quant Imaging Med Surg*. <http://dx.doi.org/10.21037/qims.2017.02.01>

Prakash, R., Puri, A., Anand, R., Jain, A. K., Brahmanand, L., & Vaibhav, G. (2017) Predictors of upper tract damage in pediatric neurogenic bladder - *Journal of Pediatric Urology*.

Mittal, D., Anand, R., Sisodia, N., Singh, S., & Biswas, R. (2017) Placental mesenchymal dysplasia: What every radiologist needs to know. *Indian J Radiol Imaging*, 27, 62-4.

**Book Chapter**

Abbey, Pooja and Anand, Rama. (n.d.). The imaging of Pediatric GI tract. In *Pediatric gastroenterology Hepatology and Nutrition*. Assam: Indian Academy of Pediatrics.

**Journals**

Dr Rama Anand has been appointed as Reviewer for Indian Journal of Radiology and Imaging (IJRI) and JCDR

Dr. Pooja Abbey has been appointed as Reviewer for Indian Journal of Radiology and Imaging (IJRI).

Dr. Vikas Chaudhary has been appointed as Reviewer for Journal of Clinical Imaging Science (JCIS), World Journal of Gastroenterology and La Radiologica Medica (LRM).

**Conferences Organised**

“Delhi Imaging Update 2018” the Annual Conference of Delhi State Chapter of Indian Radiological and Imaging Association (IRIA) held at Lady Hardinge Medical College, Feb. 23<sup>rd</sup>-25<sup>th</sup>, 2018.

**Seminar/Conference Presentations**

Dr. Rama Anand

Ultra vision 2017 in Delhi, July 17<sup>th</sup>, 2017,

CME – AIIMS Radiology Course on Interstitial Lung Diseases, Aug. 5<sup>th</sup>- 6<sup>th</sup> 2017.

5<sup>th</sup> Asia Pacific Congress of interventional Oncology (APCIO) & Society of Emergency Radiology (SER), Aug. 17<sup>th</sup>, 2017.

Xv Annual National conference of Indian Society of pediatric Radiology (ISPR) Pune, Sept. 2017.

Paediatric radiology update -2017 at Amritsar, Oct, 2017.

National Association of Reproductive and Child Health of India in Delhi Oct 17 AIIMS -MAMC -PGI Course series, Nov. 17<sup>th</sup>, 2017.

Hepatobiliary imaging & interventions AOCR 2018 January (Asian oceanian congress of radiology), Nov 17.

Dr. Shaili Tomer, Conference on “Hepatobiliary Imaging and Interventions” Delhi Imaging Update 2018, Nov. 18<sup>th</sup>, 2017

Dr. Bhawna Satija, Delhi Imaging Update 2018.

Dr. Bhawna Satija, SURGICON 2017: Annual Conference of Association of Surgeons of India-Delhi State Chapter

Dr. Vikas Chaudhary, Delhi Imaging Update 2018.

**Faculty strength: Total: 9****Other Significant Information**

Faculty has been involved as experts in purchase of Radiodiagnosis equipments in various Government Hospitals Purchase Committees.

Dr Rama Anand has been appointed as Examiner for MD exam held on April 2017 in Lady Hardinge Medical College,

Dr. Rama Anand is Co Chairperson of Committee for purchase of Proprietary items and repair Maintenance for the Equipment of Hospital side Departments.

Dr. Rama Anand is Chairperson of Equipment Purchase committee.

### **Students with Distinctions**

Dr. Sandeep Kushwaha-Asian Oceanian Congress of Radiology(AOCR) 2018 P poster: MDCT evaluation of pediatric jaw lesions: Pictorial essay- 1ST PRIZE (Head and Neck category)

Dr. Sudeshna Malkar Asian Oceanian Congress of Radiology(AOCR) 2018 P poster(AOCR 2018): Ultrasonography and Colour Doppler evaluation of focal hepatic and biliary tract lesions in children.-2nd PRIZE (GI Imaging category)

Dr. Sudeshna Malkar: Delhi Imaging Update 2018(DIU),LHMC. SpottersA – 1st Prize , Film reading session B- 3<sup>rd</sup> prize.

Dr.Richa Gauba, Delhi Imaging Update 2018(DIU),LHMC. Spotters A-2nd Prize, Film reading session A -3<sup>rd</sup> prize.

Dr.Abhishek Kotwal, Delhi Imaging Update 2018(DIU), LHMC. Spotters A- 3<sup>rd</sup> Prize.

Film reading sessionA-1st PRIZE

Spotters B- 3RD PRIZE.

Film reading sessionB-3RD PRIZE

Dr.Anishikha Gulati : Delhi Imaging Update ,2018(DIU) ,LHMC.

Film reading sessionA -3<sup>rd</sup> Prize . Spotters B- 3rd Prize.

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### **SURGERY (LHMC)**

#### **Major activities and achievements**

Bariatric programme initiated under the supervision of Dr. O.P.Pathania , Head , Department of Surgery . At our facility, Bariatric services are provided free of cost to the poor morbidly obese patients.More than 300 cases of Video Assisted Anal Fistula Treatment ( VAAFT ) have been done at our facility.We organize Pre hospital Trauma Training courses and majority of our trained students are employed in CAT Ambulances, playing an important role in prehospital care of trauma victims. Endourological Procedures like TURP (for BHP), TURBT (bladder tumours ), URS are done routinely in our Department .Vascular Surgery procedures–A-V fistula for CRF patients ( awaiting transplant/ undergoing dialysis ) are routinely performed . We do comprehensive surgical & medical management of Gastrointestinal, Urological, Breast cancers at our facility .Impedance ph monitoring and esophageal manometry for diagnostic and research purpose and Advance laparoscopic surgeries using high definition camera are routinely performed .

#### **Honours / Distinctions**

Dr. Gyan Saurabh – Awarded Fellowship of the Royal College of Surgeons of Glasgow, FRCS ( Glasg ), May 26<sup>th</sup>, 2017.

Dr. Manoj Andley - Awarded Fellowship of Royal College of Surgeons of Glasgow, FRCS – Glasg July, 2017.

Dr . Manoj Andley awarded travel grant from University Grants Commission to present research paper titled ,” Randomised controlled study to compare surgical outcome of video assisted anal fistula treatment ( vaaft )with conventional fistulotomy in low fistula in ano patients”at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons , SAGES-2017 ,held in Houston , Texas, USA from 22nd to 25th March’2017.

Dr . Gyan Saurabh awarded travel grant from University Grants Commission to present research titled ,” Randomized trial to evaluate systemic inflammatory response after total extraperitoneal repair and transabdominal preperitoneal repair for Inguinal hernia “ at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons, SAGES-2017 ,held in Houston , Texas, USA, March 22<sup>nd</sup>- 25<sup>th</sup>, 2017.



Dr . Deborshi Sharma awarded travel grant from University Grants Commission to present research paper at the annual meeting of Society of American Gastrointestinal and Endoscopic Surgeons , SAGES-2017, held in Houston , Texas, USA, March 22<sup>nd</sup> - 25<sup>th</sup> ,2017.

Dr. Sudipta Saha : Awarded Travel grant from University Grant Commission to present oral paper at 47 th World Congress of Surgery Basel, Switzerland organised by International Society of Surgeons, Aug. 13<sup>th</sup>-17<sup>th</sup>, 2017.

### **Publications**

Aggarwal, L., Sattavan, S., Lal, R., Sharma, D., Borgharia, S., Shrivastava, N., Alagappan, R., & Singh, R. (2017). Short bowel syndrome: An uncommon clinical entity and a therapeutic challenge –Our experience and review of literature. *Indian J Surg*, 79(4), 349-353.

Chaudhary, P., Chaudhary, B., & Munjewar, C. K. (2017). Parotid tuberculosis. *Indian J Tuberc*, 64(3), 161-166.

Gunjan, D., Gupta, S., Meena, K., & Thomas, S. (2017). A plethora of histopathology findings of appendectomy specimen and its use as an audit for negative appendectomy rate. *Indian Journal of Applied Research*, 7(7), 208-9.

Gunjan, D., Gupta, S., Pande, P., & Thomas, S. (2017). Amyand's Hernia: Our Experience and Review of Literature. *ABCD Arq Bras Cir Dig.*, 30(2), 287-91.

Kashyap, A., Jain, M., Shukla, S. & Andley, M. (2017). Study of Nuclear morphometry on cytology specimens of benign and malignant breast lesions: A study of 122 cases .*j Cytol*, 34(1), 10-15

Thomas, S., Desai, G., Gupta, S., Choudhury, M., Ali, S., & Tudu, S. K. (2017). Serum Levels of C - reactive protein, Hepcidin, and Interleukin-6 in Acute Cholecystitis and its Correlation with Severity of Attack and Recovery Time. *Indian Journal of Applied Research*, 7(7), 210-3.

Vats, M., Pandey, D., Saha, S., Talwar, N., Saurabh, G., Andley, M., & Kumar, A. (2017). Assessment of systemic inflammatory response after total extraperitoneal repair and Lichtenstein repair for inguinal hernia. *Hernia*, 21(1), 65-71.

### **Journals**

Number of Department teachers serving as Editor / Member of Editorial board : > 10 faculty member are reviewers in reputed indexed national / international journals

### **Research Projects**

#### **Thesis total: 18**

Dr. Ankit Tyagi,Urodynamic profile in patients with benign prostatic hyperplasia with or without inguinal hernia ,Dr. Ajay Kumar,Dr. Manoj Andley,Dr. Sudipta Saha

Dr. Saurabh Kumar Negi,Effect of neoadjuvant Chemotherapy on coagulation profile of patients with breast cancer,Dr. O.P.Pathania, Dr. Shaji Thomas, Dr. Anita Nangia

Dr. Venkatesh Babu G., , Vitamin D , Vitamin B12 , Folic Acid and Ferritin profile in patients wuth benign and malignant breast masses.Dr. Shaji Thomas, Dr. O.P.Pathania, Dr.Binita Goswami, Dr. Shailaja Shukla

Dr. Aakash Singh Rana, Assessment of abdominal wall muscle function following repair of large midline ventral hernia with endoscopic component separation technique and laparoscopic mesh hernioplasty.Dr. Romesh Lal, Dr. Deborshi Sharma , Dr. U C Garga

Dr. Siddhartha Saxena ,The role of non acid reflux in gastro-oesophageal reflux disease.Dr. Manoj Andley, Dr. Aparna Agarwal, Dr. Sudipta Saha,

Dr. Mandeep Singh, Red cell distribution width to platelet count ratio as a marker of severity in acute biliary pancreatitis : A prospective Observational study, Dr. Ashok Kumar, Dr. Manoj Andley, Dr. Sudipta Saha

Dr. Piyush Pippal, Determination of gastric wall thickness in patients undergoing laparoscopic Sleeve Gastrectomy and its relation with body mass index.Dr. Deborshi Sharma , Dr. U C Garga, Dr. Romesh Lal

Dr. Saurabh Kumar Shekhar, Three stage hybrid repair of large ventral hernia using endoscopic component separation , open reduction and closure of defect with laparoscopic intraperitoneal onlay mesh repair , an outcome analysis. Dr. Deborshi Sharma,Dr. Romesh Lal.

Dr. Raj Kumar, CRP and Procalcitonin levels in acute gall stone induced pancreatitis, Dr. Nain Singh

Dr. O.P.Pathania, Dr. Jayshree Bhattacharjee, Dr. Manoj Jais.

Dr. Gaji Sakina Rauf, Correlation of serum Leptin levels with histological grading and receptor status in breast cancer patients with metabolic syndrome. Dr. Kusum Meena , Dr. Shaji Thomas, Dr. Binita Goswami, Dr. Manoj Andley, Dr. Kiran Agarwal

Dr. Shahiq Ahmed, Effect of Endoscopic Component Separation technique on Pulmonary function in large midline ventral hernias. Dr. Romesh Lal, Dr. U.C.Garga, Dr. Deborshi Sharma

Dr. Shivali Gupta, Evaluation of factors predicting the primary success of native arteriovenous fistula in patients of ESRD requiring dialysis. Dr. O.P.Pathania, Dr. Sudipta Saha.

Dr. Gaurav Mittal, Evaluation of patient discomfort and post operative pain in laparoscopic transabdominal pre-peritoneal inguinal hernia repair using 3 dimensional mesh versus conventional polypropylene mesh. Dr. Manoj Andley , Dr. Sudipta Saha

Dr. Meenakshi Singh, A comparative study of multi stream saline – jet assisted Vs Conventional laparoscopic cholecystectomy. Dr. O.P.Pathania , Dr. Nain Singh,

Dr. Shaphali Chandra ,Study of correlation of Serum 25-hydroxy vitamin D levels and molecular subtypes of breast cancer . Dr. Shaji Thomas, Dr. Anita Nangia , Dr. Ritu Singh, Dr. O.P.Pathania

Dr. Ankit Raj ,Blood Urea Nitrogen level as an early predictor of severity of acute biliary pancreatitis and indicator of mortality. Dr. Ashok Kumar, Dr. Manoj Andley

Dr. Amrit Kumar Gupta, Evaluation of raised total serum bilirubin as a predictor of complicated appendicitis .Dr. Poras Chaudhary, Dr. Romesh Lal

Dr. Pute U Losu, Assessment of Quality of Life and outcome measures using EuraHSQoL following endoscopic Video Assisted Component Separation with IPOM Mesh hernioplasty in large midline ventral hernia repair . Dr. Romesh Lal, Dr. Poras Chaudhary, Dr. Deborshi Sharma, Dr. U.C.Garga.

#### **Seminars organised:**

Dr. Deborshi Sharma, Organizing Secretary, Surgery Clinical Oriented Post Graduate Examination Course (SCOPE Course), Delhi State Chapter of ASI, SCOPE Course , PGIMER, Dr RML Hospital, New Delhi, Feb. 8<sup>th</sup> -to 11<sup>th</sup>, 2018.

#### **Conferences Organised**

Dr. O.P.Pathania , Organising Director , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India, LHMC, Nov. 10<sup>th</sup>-12<sup>th</sup> 2017.

Dr. O.P.Pathania , Organising Chairman , Monthly meeting of Delhi Chapter of Association of Surgeons of India. LHMC, Sept. 17<sup>th</sup>, 2017

Dr. Ajay Kumar , Organising Chairman , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10<sup>th</sup>-12<sup>th</sup> 2017.

Dr. Manoj Andley , Organising Secretary , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10<sup>th</sup>-12<sup>th</sup>, 2017.

Dr. Gyan Saurabh, Co- Organising Secretary , SURGICON -2017, Annual meet of Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10<sup>th</sup>-12<sup>th</sup>, 2017.

Dr. Sudipta Saha, Co- Organising Secretary , SURGICON -2017, Annual meet Delhi Chapter of Association of Surgeons of India. LHMC , Nov. 10<sup>th</sup>-12<sup>th</sup>, 2017.

#### **Seminar /Conference Presentation**

Dr. O.P.Pathania ,Organizing Chairman, Delhi Chapter of Association of Surgeons of India Monthly meeting of Delhi chapter of ASI held at LHMC in Sept'2017.

All faculty members of Department of Surgery. Delegate, Delhi Chapter of Association of Surgeons of India, Monthly meeting of Delhi chapter of ASI held at LHMC in Sept'2017.

Dr. O.P.Pathania, Faculty ,Delivered talk on “ Gastrointestinal stromal tumours “ LHMC , New Delhi SURGICON-2017 / LHMC , New Delhi, Nov. 11<sup>th</sup>-13<sup>th</sup>, 2017.

Dr. Ajay Kumar, Chairperson, AIIMS , New Delhi, ENDOSURG 2017

Dr. Ajay Kumar, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi , Nov. 10<sup>th</sup>-12<sup>th</sup>,2017.

Dr. Shaji Thomas, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 -11th AIIMS Surgical week , International conference, CME cum live workshop , 16<sup>th</sup> to 19<sup>th</sup> March'17

Dr. Shaji Thomas, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10<sup>th</sup>-12<sup>th</sup>,2017.

Dr. Shaji Thomas, Chairperson, MAMC, SURGERY Update & National CME, MAMC, Sept. 2017.

Dr. Shaji Thomas , Faculty , LHMC , New Delhi, MCI Revised Basic Course Workshop for Medical Education, NTTC. LHMC. Dec. 4<sup>th</sup>-6<sup>th</sup> Dec 2017.

Dr. Shaji Thomas, Faculty, AIIMS , New Delhi, Updates in Management of Head and Neck Cancer, AIIMS, Nov. 3<sup>th</sup>-5<sup>th</sup>,17.

Dr. Shaji Thomas , Faculty , AIIMS , New Delhi, Asian Society of Mastology Conference 2017. AIIMS, Oct. 7<sup>th</sup>-9<sup>th</sup> , 2017.

Dr. Shaji Thomas , Faculty , PGIMER, RML Hospital, New Delhi, FAIS Credentialing Course, Association of Surgeons of India. PGIMER, RML Hospital, New Delhi. Oct. 25<sup>th</sup> ,2017.

Dr. Shaji Thomas , Faculty , PGIMER, RML Hospital, New Delhi, Regional Refresher Course, Association of Surgeons of India. PGIMER, RML Hospital, New Delhi. Oct. 26<sup>th</sup>-27<sup>th</sup>, 2017.

Dr. Shaji Thomas , Faculty , LHMC , New Delhi, CME on Women's Health. Dept of Obs & Gyn, LHMC, April 13<sup>th</sup>, 2017.

Dr. Shaji Thomas , Delegate, AIIMS , New Delhi, Updates in Management of Breast Cancer. National Cancer Institute, AIIMS. May 6<sup>th</sup>-7<sup>th</sup>, 2017.

Dr. Romesh Lal, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 AIIMS Surgical week , International conference, CME cum live workshop , March 16<sup>th</sup> to 19<sup>th</sup> ,2017 .

Dr. Romesh Lal, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi Nov. 10<sup>th</sup>-12<sup>th</sup> ,2017

Dr. Romesh Lal, Chairperson, MAMC, SURGERY UPDATE & NATIONAL CME, MAMC, SEPT'2017

Dr. Romesh Lal, Faculty , AMASICON, Kochi, AMASICON 2017, Kochi .Oct 26<sup>th</sup>- 29<sup>th</sup>, 2017.

Dr. Gyan Saurabh, Chairperson, AIIMS, New Delhi, ENDOSURG 2017 -11th AIIMS Surgical week , International conference, CME cum live workshop , March 16<sup>th</sup> -19<sup>th</sup> 2017.

Dr. Manoj Andley, Chairperson, . LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10<sup>th</sup>-12<sup>th</sup> , 2017.

Dr. Manoj Andley, Faculty, MAMC, Surgery Update & National CME, MAMC, Sept. 2017.

Dr. Manoj Andley , Presented a paper titled "Randomised controlled study to compare surgical outcome of video assisted anal fistula treatment ( vaaf )with conventional fistulotomy in low fistula in ano patients" Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March 22<sup>th</sup>-25<sup>th</sup> ,2017 .

Dr. Ashok Kumar, Chairperson , LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10<sup>th</sup>-12<sup>th</sup> ,2017

Dr. Deborshi Sharma, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10 -12<sup>th</sup> , 2017

Dr. Deborshi Sharma, Faculty, MAMC, Surgery Update & National CME, , Sept. 2017.

Dr. Deborshi Sharma, Faculty, AMASICON, Kochi, AMASICON 2017, Kochi, Oct. 26<sup>th</sup>- 29<sup>th</sup>, 2017.

Dr. Deborshi Sharma, Paper presentation , Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March 22<sup>th</sup>-25<sup>th</sup> 2017.

Dr. Priya Hazrah, Faculty , Delivered talk on " Functional imaging in GI malignancies "LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi, Nov. 10<sup>th</sup>-12<sup>th</sup> ,2017

Dr. Gyan Saurabh , Faculty, Debate on Fistula in Ano: VAAFT vs. Conventional Surgical Techniques, Spoke in favour of VAAFT, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi / 10-12th Nov'2017

Dr. Gyan Saurabh, Faculty, LHMC , New Delhi, MCI Revised Basic Course Workshop for Medical Education, NTTC. LHMC. Dec .4<sup>th</sup> -6<sup>th</sup>, 2017.

Dr. Gyan Saurabh, Presented a poster titled ,”Randomized trial to evaluate systemic inflammatory response after total extraperitoneal repair and transabdominal preperitoneal repair for Inguinal hernia “Society of American Gastrointestinal Endosurgeons (SAGES 2017), Houston , USA, Society of American Gastrointestinal Endosurgeons, LA, California, USA, March 22<sup>th</sup>-25<sup>th</sup> 2017.

Dr. Gyan Saurabh, Chairperson, Expert in Panel discussion ,Hamdard Institute of Medical Sciences and Research ,Jamia Hamdard , New Delhi -110062. International conference on Surgical update , Dec.18th, 2017.

Dr. Gyan Saurabh , Faculty, PGIMER & RMLH , June 2017, Midterm CME of ASI Delhi State Chapter on Hernia and Colorectal Surgery, June 25th ,2017.

Dr. Sudipta Saha, Faculty, PGIMER & RMLH , June 2017, Midterm CME of ASI Delhi State Chapter on Hernia and Colorectal Surgery, June ,25<sup>th</sup> 2017.

Dr. Gyan Saurabh , Chairperson, AIIMS , New Delhi, BARIME 2017, ~~Dec-1st~~ 2nd , 2017.

Dr. Gyan Saurabh, Guest Lecture , Advance Trauma Life Support Course, American College of Surgeons. Have delivered guest lecturers in various ATLS Provider & Instructor Courses held at AIIMS ,New Delhi and Dr.RML Hospitals , New Delhi.

Dr. Sudipta Saha , Presented Oral Paper- Can native arteriovenous fistula be safely made by trainees? Comparison of results of native arteriovenous fistula for vascular access made by trainees with that of Consultants, International Society of Surgeons, 47 th World Congress of Surgery, Basel, Switzerland , Aug. 13<sup>th</sup>-17<sup>th</sup>, 2017

Dr. Sudipta Saha , LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi / 10-12th Nov'2017 Dr. Sudipta Saha , Faculty- Delivered Lecture on Gall Stone Ileus, 18th and 19th February 2017 at AIIMS Delhi, fourth Continuing Medical Education in Surgery

Dr. Sudipta Saha , delegate, 13th Annual Surgical Oncology Workshop, Oncosurg 2017 ,8th to 10th December 2017, Tata Memorial Centre, Mumabai.

Dr. Arun Kapur, Chairperson, New Delhi, SURGICON-2017, LHMC , New Delhi, Nov.10<sup>th</sup>-12<sup>th</sup> ,2017.

Dr. Lalit Agarwal, Faculty , Delivered talk on “ Trouble shooting in laparoscopic surgery” LHMC , New Delhi, SURGICON-2017, New Delhi , Nov. 10<sup>th</sup>-12<sup>th</sup> ,2017

Dr. Kusum Meena, Chairperson, LHMC , New Delhi, SURGICON-2017 / LHMC , New Delhi , Nov. 10<sup>th</sup>-12<sup>th</sup> ,2017.

#### **Faculty Strength: 25**

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#### **UNIVERSITY COLLEGE OF MEDICAL SCIENCES**

Dr. Gupta VP, Ophthalmology

Dr. P. K. Jain Memorial Oration, awarded by Delhi Ophthalmological Society, New Delhi, 8 Apr 2017.  
Bundelkhan Gaurav Samman by Bundelkhand Vikas Parishad, Jun 2017.  
Lacrimal Award 2017 awarded by All India Ophthalmological Society, Feb 2018.

Dr. Grover C, Dermatology

Awarded the prestigious “BM Ambady Oration” by Indian Association of Dermatologists, Venereologists and Leprologists for “Onychology: an integral and vital part of clinical and surgical Dermatology” during the proceedings of DERMACON 2018, 46th National Conference of IADVL, held from at Kochi, Kerala, 18-21 Jan 2018.

#### **Publications**

Indexed : 345

Non-indexed : 10

Gupta, V. P., & Chaudhari, I. (2018). Palmoplantar Keratoderma with keratoconus. *Middle East Afr J Ophthalmol*, 25(1), 49-51.

Esakkiammal, N., Chauhan, R., & Sharma, R. (2017). Clinical implications of variable origin of external carotid artery branches and high level bifurcation of common carotid artery. *Int J Anat Res*, 5(2), 3958-3963.

Garg, P. K., Jakhetiya, A., Pandey, R., Chishi, N., & Pandey, D. (2017). Adjuvant radiotherapy versus Observation following lumpectomy in ductal carcinoma in-situ: A meta-analysis of randomized controlled trials. *Breast J*. Aug 22. Doi: 10.1111/tbj.12889.

Gomber, S., Dabas, A., Bagmar, S., & Madhu, S. V. (2018). Glucose homeostasis and effect of chelation on  $\beta$  Cell function in children with  $\beta$ -Thalassemia major. *J PediatrHematolOncol*, 40(1), 56-59.

Gupta, K., Gupta, R., Bhatia, M. S., Tripathi, A. K., & Gupta, L. K. (2017). Effect of Agomelatine and Fluoxetine on HAM-D Score, Serum Brain-Derived Neurotrophic Factor, and Tumor Necrosis Factor- $\alpha$  Level in Patients With Major Depressive Disorder With Severe Depression. *J Clin Pharmacol*. Doi: 10.1002/jcph.963.

Jahid, M., RehanUl, H, Chawla, D., Avasthi, R., & Ahmed, R. S. (2018). Association of polymorphic variants in *il1b* gene with secretion of *il-1beta* protein and inflammatory markers in north Indian rheumatoid arthritis patients. *Gene*, 30; 641, 63-67.

Kotru, M., Sharma, S., Pramanik, S. K., Purohit, A., Singh, G., Singh, A. K., Mutereja, D., Mishra, P., Seth, T., Tyagi, S., Mahapatra, M., Pati, H. P., Saxena, R. et al.(2017). Value of CD 16/Cd66b? Cd45 in comparison to CD55/Cd59/Cd45 in diagnosis of PNH: An Indian experiencei. *IJMR*, 146(3), 362-368.

Singh, N.P., Rani, M., Gupta, K., Sagar, T., & Kaur, I. R. (2017). Changing trend in antimicrobial susceptibility pattern of bacterial isolates in a burn unit. *Burns*, 43(5), 1083-87.

Tanveer, N. (2017). Controlling human papilloma virus: A public health perspective of treatment of anogenital warts. *Oncologist*, 22, 495-6.

Yadav, P., Singla, A., Sidana, A., Suneja, A., & Vaid, N. B. (2017). Evaluation of sonographic endometrial patterns and endometrial thickness as predictors of ectopic pregnancy. *Int J Gynecol Obstet*, 136, 70-75.

## Journals

Published by the College	:	2
Number of college teachers serving	:	14
as Editor(s) Member(s) of Editorial Board		

## Research Projects

Dr. Das S, "Investigation of mechanisms of emerging drug resistance in *Trichophyton* sp., the major causative agents of fungal skin infections".2017-2020, funded by DBT, Grant Rs 20 lacs

Dr. Mehndiratta M, Role of vitamins (A,C,D and E) telomere biology and *keap1* – *Nrf2*-ARE pathway in the development of idiopathic preterm prelabour rupture of membranes. 2017-19, ICMR, Grant Rs 22,31,260

Dr. Sharma AK, HIV vulnerability assessment study for selected female migrant populations in India. National AIDS Control Organization, MoHFW, Grant Rs 69,41,528

Dr. Sharma S , To study the role of Type I regulatory T cells in skin in patients with Pemphigus vulgaris during acute disease and remission, 2017-18, UGC, Grant Rs 14,20,000

Dr. Sharma SB, Design and synthesis of alpha hydroxyin STZ induced diabetic rats, ICMR, New Delhi, 2015-18, ICMR, New Delhi, Grant Rs 30 lacs

## Seminars Organised

“Hands on Head & Neck, Cadaveric Dissection and Reconstruction” a Workshop by the Department of ENT and Anatomy, Oct. 12<sup>th</sup>-14<sup>th</sup> 2017.

Acute Critical Care, a workshop by the Department of Surgery and Anatomy, 1 Jan. 2018.

Training of Trainers programme on Nutrition and Health Education for NGO personnel in the department organised by CFNEU, Food and Nutrition Board and Department of Community Medicine, UCMS, Dec. 19<sup>th</sup>-20<sup>th</sup>, 2017.

Botulinum Toxin hands-on training workshop for Senior Residents, Aug. 22<sup>nd</sup> 2017.

Postgraduate Assembly - ISA North Zone, Aug. 21<sup>st</sup>-27<sup>th</sup>, 2017.

### Conferences Organised

3rd Post Graduate Conference (PGCON) North Zone organised at Conference Hall, UCMS and GTB, Sept. 9<sup>th</sup>-10<sup>th</sup> 2017.

Conducted workshop under IAMM – DC “Antibiotic Stewardship”, at UCMS & GTBH, Delhi, Dec 2017.

Microscopic techniques in microbiology” at UCMS & GTBH, Delhi, Oct 2017. Course on Clinical Examination for Postgraduates (COCEP), Delhi, March 16<sup>th</sup>-18<sup>th</sup>, 2018.

UCMS Surgical Oncology Update 2017, National symposium on recent advances in oncology & master Video Workshop, Indian Islamic Culture Centre, Lodhi Road, New Delhi, Oct. 7th-8th, 2017.

### Seminar/Conferences Presentations

Dr. Gupta VP, Ophthalmology, Present paper and chair a scientific session in the III Mid Term Meeting of OPOA (Oculoplastics Association of India), Kashi-Eyeplasty 2017 at SS Hospital, BHU, Varanasi, UP, May 14<sup>th</sup>, 2017.

Dr. Saxena AK, Anaesthesiology, Annual conference of Indian Society of Anaesthesiologists, Delhi Chapter held at Scope complex Lodhi Road, New Delhi, April 8<sup>th</sup>-9<sup>th</sup>, 2017.

Dr. Chauhan R, Anatomy, Chaired a session in Hands on Head & Neck, Cadaveric Dissection and Reconstruction Workshop in the Department of Anatomy by the Department of ENT, University College of Medical Sciences & GTB Hospital, Delhi, Oct. 13<sup>th</sup>, 2017.

Dr. Sharma AK, Community Medicine, Conducted workshop on “Application of GIS in Public Health” at annual conference of Gujarat Chapter of IAPSM, Surat, Dec. 6<sup>th</sup>, 2017.

Dr. Singal A, Dermatology, 46th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) held at Kochi, Jan. 18th-21st, 2018.

Dr. Suneja A, Obstetrics & Gynaecology Guest Lecture on "Pregnancy after DVT" during XXXIII Annual Congress of ISOPARB held at IHC, Delhi, April 8<sup>th</sup>, 2017.

Dr. Arora V, Otorhinolaryngology, Hands on head and neck cadaver dissection and reconstruction workshop, Delhi. (Organizing Secretary), Oct. 12<sup>th</sup>-14<sup>th</sup>, 2017.

Dr. Dewan P, Pediatrics, Workshop on Ethics & GCP at Lady Hardinge Medical College, Delhi (Faculty), March 9<sup>th</sup>, 2018.

Dr. Gomber S, Pediatrics, Chairperson of National course on clinical examination for postgraduates organised at UCMS & GTB Hospital, May 2017 & Feb 2018.

Dr. Navneet Kaur, Surgery, Paper presentation on “A prospective study to evaluate post mastectomy sensory changes and persistent pain in patients of Breast Cancer” ASICON 2017, Jaipur, Dec. 27<sup>th</sup>-30<sup>th</sup>, 2017.

### National/International MOUs Signed

UCMS & NACO Govt. of India signed a MoU to consider a multiple study on HIV related “High risk behavior among selected migrant families in India.”

### Library Development

#### Total Budget:

Books	:	Rs. 11,17,900=00 (Rupees Eleven Lacs Seventeen Thousand and Nine Hundred Only)
Journals	:	Rs. 38,63,131=00 (Rupees Thirty Eight Lacs Sixty Three Thousand One Hundred and Thirty One)
NO. OF BOOKS ADDED (01/04/2017-31/03/2018)	:	255
Purchased :218 + WHO:04 + Donation:33		
TOTAL NUMBER OF BOOKS AS ON (31/03/2018)	:	20058

#### NO. OF JOURNALS SUBSCRIBED TO:

Foreign	:	53
Indian	:	47
Total	:	100
No. of Bound Journals as on 31/03/2018	:	24500

#### ON-LINE RESOURCES

Membership taken for ERMED Consortium started by NML providing 241 high quality e-journals published by four leading publishers.

Membership of Developing Libraries Network (DELNET). As per the users requests, the articles and books not available in the library were arranged through DELNET Inter Library Loan Service.

Access to E-journals free with print subscription.

Wi-Fi-enabled library and 21 computers for providing internet search facility to the users.

#### Faculty Strength

**No. of Faculty: 96**

#### Other significant information

Students with Distinctions

Dr. Isha Chaudhary, Dr. V P Gupta, Ophthalmology, Topical 5 – FU 1% 2nd prize in free paper session as primary treatment of OSSN.

Dr. Isha Chaudhary, Dr. V P Gupta, Ophthalmology, 3rd Prize for best posters to our poster on “Palmoplantar Keratoderma with Keratosis in ISCKRS 2017.

Dr. Rituparna Saha, Microbiology, Awarded best MMAC award for best oral presentation by PG students presented at IAMM – Dec.2017 (Delhi Chapter).

Dr. Taruna Bansal, Pathology, won the best oral paper award at the Annual Conference of Indian Association of Pathologists and Microbiologists 2017 organised by Gandhi Medical College Bhopal for her oral paper titled-“Prognostic Implication of YB1 expression in breast cancer : A therapeutic target in Her2 neu over expressing tumors.” The co authors for this paper were- Dr.Usha Rani Singh,Dr.Sonal Sharma, Dr.Nadeem Tanveer (Deptt of Pathology) and Dr. Navneet Kaur (Deptt of Surgery)

Dr. Sonali Verma, Pediatrics, Won National Research Award “VB Raju Endowment Award” for child health. At 55th National Conference of Indian Academy of Pediatrics – Pedicon 2018, Nagpur, Jan. 3-6, 2018.

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#### V.P.CHEST INSTITUTE

##### Major Activities and Achievements

The Institute continued its ‘education’, ‘research’ and ‘patient care’ activities. The core academic, research and patientcare activities are carried out under Departments of Biostatistics, Biochemistry, Microbiology, Pulmonary Medicine, Pathology, Pharmacology and Physiology. Dedicated Patient care facilities include Viswanathan Chest Hospital, DOTS Centre, National Centre of Respiratory Allergy, Asthma and Immunology, National Tobacco Quitline, Cardio-Pulmonary Rehabilitation Clinic, Yoga Therapy Centre etc. The Institute also has a state-of-art Library, Animal House, Auditorium, Indoor Sports Complex, PG Students Hostel and Gymnasium.

Postgraduate students are trained for DM and MD degrees in Pulmonary Medicine; for MD Degree in Biochemistry, Physiology, Microbiology and Pharmacology, and for PhD degree in Chest Medicine and Allied sciences. The Institute also organised several Orations, Conferences, Workshops, Continuing Medical Education (CME) programmes, Public Lectures during the period. The Institute has been awarded over 20 research projects by various governmental agencies, namely, AYUSH, DHR, CCRUM, DST, DIPAS, ICMR, NIF to the tune of 14.81 crores

The clinical wing, VCH, a tertiary care center provided specialized clinical consultations, diagnostics and treatment services to patients. The OPD of the hospital registered 11864 new patients and 56823 follow-up cases. The IPD admitted 4258 patients in General and Emergency wards. The RICU admitted 357 patients.

22,899 patients were provided Emergency services. Specialized investigations included 2125 skin allergy tests, 22640 pulmonary function tests, 22097 x rays, 52574 clinical biochemistry, 5432 serum IgE tests, 9972 Arterial Blood Gases, 3943 microbiological tests, over 11000 tests mycological tests 31000 pathological, investigations.

### Honours/Distinctions

Dr. Raj Kumar, Head, Dept. of Pulmonary Medicine & Head, National Centre for Allergy and Applied Immunology (NCRAAI)

Guest of Honour, In inaugural Session of International Conference, “Strategies for promoting inclusive Development” held in VPCI Auditorium, Delhi by Dr. Bhim Rao Ambedkar College, University of Delhi, Delhi, March 18, 2018.

Environmental Excellence Award 2017, Exemplary Contribution for protecting environment by Environment and Social Development Association (ESDA) Delhi, India, Dec. 28<sup>th</sup>, 2017.

Fellow, National Academy of Medical Sciences, New Delhi, Oct. 28<sup>th</sup>, 2017.

### Publications

Aditi, Shariff, M., Chhabra, S.K., & Rahman, M. (2017). Similar virulence properties of infection and colonization associated *Pseudomonas aeruginosa*. *J Med Microbiol*, 66, 1489-1498.

Aggarwal, T., Wadhwa, R., Rohil, V., & Kumar P. (2017). Biomarkers of oxidative stress and protein-protein interaction in chronic obstructive pulmonary disease. *Arch PhysiolBiochem*. Doi: 10.1080/13813455.2017.1387796.

Arendrup, M.C., Prakash, A., Meletiadiis, J., Sharma, C., & Chowdhary, A. (2017). Comparison of EUCAST and CLSI reference microdilution MICs of eight antifungal compounds for *Candida auris* and associated tentative epidemiological cutoff values. *Antimicrob Agents Chemother*, 61, e00485-17.

Giri, A., Gupta, S., Safi, H., Narang, A., Shrivastava, K., Kumar, S.N., et al. (2018). Polymorphisms in Rv3806c (ubiA) and the upstream region of embA in relation to ethambutol resistance in clinical isolates of *Mycobacterium tuberculosis* from North India. *Tuberculosis (Edinb)*, 108, 41–46.

Pandey, A., Kulshrestha, R., Menon, B., Rajkumar, & Gaur, S.N. (2018). Anthracotic pigment in transbronchial lung biopsy: An innocent bystander or pathogenic agent for parenchymal lung disease. *Indian J Chest Dis Allied Sci*, 60, 27-31.

Pooja, B., Vishal, B., & Jamal, A.M. (2017). Comparison of different volumes of high intensity interval training on cardiac autonomic function in sedentary young women. *Int J Adolesc Med Health*, 0(0), 1-13. Doi: 10.1515/ijamh-2017-0073.

Prakash, A., Randhawa, H.S., Khan, Z.U., Ahmad, S., Hagen, F., Meis, J.F., & Chowdhary, A. (2018). Environmental distribution of *Cryptococcus* species and some other yeast-like fungi in India. *Mycoses*, 61, 305-313.

### Journals

Publishes Indian Journal of Chest Diseases and Allied Sciences (IJCDAS)

Dr Raj Kumar, Editor-in-Chief, IJCDS, VP Chest Institute, Delhi, Nov. 2017

### Research Projects

Funded by ICMR in the year 2015. Carried out for a period of 3 years. Indoor air pollution and asthma exacerbation in children: A population based study. With an amount sanction of Rs. 125.00 lakhs.

Funded by DST in the year 2016-19. Carried out for a period of 3 years. Regulation of TET2 protein by erythropoietin (EPO) during erythrocyte differentiation in human and to investigate its role in acute myeloid leukemia. With an amount sanction of Rs. 50.44 lakhs.

Funded by DST for the year 2017-20. Carried out for a period of 3 years. Identification of novel transcripts and non-coding RNA in Fuchs' Endothelial Corneal Dystrophy (FECD). With an amount sanction of Rs. 71.91 lakhs.

Funded by DST in the year 2015. Carried out from 2015-2018. Study of the post transcriptional mechanisms underlying pulmonary fibrosis and their modulation by therapeutic agents. With an amount sanction of Rs. 57.45 lakhs.



## **Seminars Organised**

Total number organised: 6

42nd Workshop on Respiratory Allergy: Diagnosis and Management) (April 24-28, 2017).

CME Programme on Clinical Trials Perspectives and Trends (June 30, 2017)

Symposium on Recent Advances in Nitric Oxide (NO) Research and its Impact on Therapy (Sept. 6, 2017).

National Workshop on "Advancement in Immunology" (Hands-on Training) (Oct. 12-13, 2017)

Workshop on "Good Inhalation Therapy Practices for Nursing Staff" (Nov. 27-29, 2017)

Workshop Update on Bronchial Asthma & Good Nebulization Practice (Nov. 30, 2017)

## **Conferences Organised**

1st Indian Summit on Allergy Diagnosis & Allergen Immunotherapy (Dec. 8-9, 2017) where VPCI had entered into an MoU with the Department of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

## **Seminar/Conference Presentations**

Dr. Raj Kumar presented on the topic Masterclass- Allergy Diagnosis and Allergen Immunotherapy' in a conference organised and held at University Hospital Munster, Germany, April 5<sup>th</sup>-8<sup>th</sup>, 2017.

Dr S.K. Bansal was a resource person in Brainstorming Workshop on Formulating the R&D Strategy on Respiratory Disorders conducted by Central Ayurveda Research Institute for Respiratory Disorders (CARIRD) in Patiala on April 1<sup>st</sup>, 2017

Dr. Malini Shariff gave a guest lecture in a CME on CME on "Microscopy to Microarray: Reducing time to Diagnosis" organised by Indian Association of Medical Microbiologists (Delhi Chapter) in Delhi on Dec 8<sup>th</sup>, 2017

Dr. Mandira Varma Basil gave a lecture on "Contribution of Efflux pumps in Rifampicin resistance in clinical isolates of M. tuberculosis" in 38th Annual Congress of European Society of Mycobacteriology organised by European Society of Mycobacteriology in Sibenik, Croatia from, June 25-28, 2017

Dr. Anuradha Chowdhary gave a guest lecture on "Candida auris: an emerging global infectious threat" in Annual Meeting of the Dutch Society for Microbiology in Papendal Netherlands organised by Dutch Society for Microbiology, April 11<sup>th</sup>-12<sup>th</sup>, 2017.

Dr. Madhu Khanna presented a poster on "Suramin: A potent ameliorating agent to inhibit influenza A virus replication" in 5th ISIRV-AVG Conference on Prevention and Treatment of RVIs: Antivirals, Traditional Therapies and Host-Directed Interventions in Shanghai, China organised by ISIRV Antiviral Group, June 14<sup>th</sup>-16<sup>th</sup>, 2017.

Dr. Anita Kotwani delivered a talk on "One-Health Approach to Combat Antimicrobial Resistance – Overview of Global and National Action Plan" in Golden Jubilee – Indian Pharmacological Society Conference, NRIPSCONGhaziabad, Uttar Pradesh from organised by Indian Pharmacological Society, September 1<sup>st</sup>-2<sup>nd</sup>, 2017.

Dr. Kavita Gulati, Chairperson and delivered talk on "Adaptogenic effects of Unani herbs and gastric cytoprotection: molecular mechanisms" in IUPHAR-GI Section meeting in Novigrad, Croatia organised by International Union of Basic and Clinical Pharmacology, June 08<sup>th</sup>-10<sup>th</sup>, 2017.

Dr. Vishwajeet Rohil presented a paper entitled, "Anticancer activity of Polyphenolic Acetates mediated by Calreticulin Transacetylase in Lung Cancer: An Epigenetic Modulation" in 25th World Congress on Cancer & Science and Therapy Baltimore, Maryland, USA organised by Conference series LLC from Oct. 18<sup>th</sup>-20<sup>th</sup>, 2017.

Dr. Ritu Kulshrestha presented a paper on "bFGF/FGFR-1,2 signaling pathway during the remodeling of pulmonary extracellular matrix" in International Symposium on Immunohistochemistry in Aalborg, Denmark organised by Department of Pathology, Tata Medical Centre, Kolkata, Jan. 04<sup>th</sup>-07<sup>th</sup>, 2018

Dr. Vishal Bansal, gave a lecture on "Pulmonary Rehabilitation for Physiotherapists" in Pre-congress Workshop of Annual Academic Sessions of Sri Lanka College of Pulmonologists – RESPIRE-IX in Colombo, Sri Lanka organised by Sri Lanka College of Pulmonologists, July 6, 2017.

Dr. Nitin Goel treasurer and delivered talk on “Practical training of Allergy testing” in 42nd Workshop on Respiratory Allergy: Diagnosis and Management in Delhi organised by V.P. Chest Institute and CSIR-IGIB, April 24<sup>th</sup>-28<sup>th</sup>, 2017.

Dr. Sonam Spalgais gave a lecture on “Role of FENO in Asthma” in 43rd Workshop on Respiratory Allergy: Diagnosis and Management Delhi organised by V.P. Chest Institute and CSIR-IGIB, June 18<sup>th</sup>-22<sup>nd</sup>, 2018.

Dr. Parul Mrigpuri, Joint Secretary & delivered talk on “Allergen vs Irritant- Which is relevant?” in 43rd Workshop on Respiratory Allergy: Diagnosis and Management Delhi organised by V.P. Chest Institute and CSIR-IGIB, June 18<sup>th</sup>-22<sup>nd</sup>, 2018.

### **National/International MoUs Signed**

With Indian/Foreign Universities ... 01

VPCI had entered into an MoU with the Department of Allergology, University Hospital Munster, Munster, Germany for promoting collaborative research and a mutually beneficial association.

### **Other Inter-Institutional Collaboration**

Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi.

All India Institute of Medical Sciences, New Delhi.

National Institute of Immunology, JNU, New Delhi

Defence Institute of Physiology and Allied Sciences, DRDO, Timarpur Delhi

CSIR-IGIB (Institute of Genomics and Integrative Biology), Mall Road, Delhi

Centre for Physiotherapy & Rehabilitation Sciences, JamiaMiliaIslamia, New Delhi.

Indian Spinal Injuries Centre, VasantKunj, Delhi-110070

### **Library Development**

The VPCI Library has back volumes of several journals more than 100 years old. It also has a very good comprehensive collection of serial publications like Annual Reviews, Years books, Recent advances. The Institute has one of the best library in the field of Pulmonary Disease and Allied Sciences having 10,086 Books, J-25,025 bound Journals, 175 CD's, 566 Thesis and 20 National and International Reports. A total of 115 Journals (110 International and 05 National) are being subscribed by the library, 16 Journals (06 International and 10 National) are being received on exchange programme with the Institute's Journal and 33 Journals (09 International and 24 National) are received on complimentary basis.

### **Faculty Strength: 15**

### **Financial Allocation and Utilization**

Grant sanctioned : Rs. 62.78 Crores; Utilized : Rs. 54.19 Crores

### **Other significant information**

The Tobacco Cessation Clinic, Yoga Therapy and Research Centre and Cardio has provided counseling services to 398 new and 172 follow-up subjects. The Yoga Therapy and Research Centre have provided services to 3846 subjects for healing different categories of diseases by Yoga. The Cardio-Pulmonary Rehabilitation Clinic at Vishwanathan Chest Hospital, VPCI is involved in management of chronic respiratory patients and provided breathing retraining education, rehabilitation programme services to over 400 patients. National Tobacco Quit Line service (NTQLS) a telephone-based free-of-cost counseling service, accessed through a toll-free no. 1800-11-2356, received over 50,000 phone calls and provided appropriate counseling to quit use of tobacco. The hospital Implemented the e-Hospital Management System which is a workflow based ICT solution meant for the government hospitals. Through Online Registration System (ORS), counter-based OPD registration and appointment system has been digitalized. Department of Biochemistry conducted Studies on erythrocyte membrane protein profile and oxidant and antioxidant status of blood in bronchial asthma. Department of Microbiology at VP Chest Institute is actively involved in diagnostics, teaching and research and about 3747 (Bacteriology), 973 (Serology), 91 (Anaerobic), 10,000 (Mycobacteriology), 4906 (Mycology), 76(Virology) clinical specimens were processed in the routine diagnostic laboratory. Department of Pharmacology is

conducting epidemiology studies on antimicrobial resistance (AMR) and involved to oversee and coordinate policy decisions and is also a recognized adverse drug reaction monitoring center (AMC) in the Pharmacovigilance Program of India (PvPI), Govt. of India. The Institute conducted the VPCI Sports & Cultural Activity Programme from 29<sup>th</sup> December 2017 to 7th January 2018.

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## FACULTY OF MUSIC AND FINE ARTS

### Major Activities and Achievements

On 21 June 2017, the Department celebrated the International Yoga Day by holding a workshop on Yoga. Thereafter, the annual Festival of Music – Malhar Utsav, which celebrates the spirit of the Rainy season, was organised at the Department from 31 Aug. – 1 Sept. 2017. Thereafter, a workshop on Harmonium was conducted by Pt. Vidyadhar Oak on 26 Sept. 2017. On 13 Dec. 2017, the Department organised a concert by a Hungarian folk group – Kalaka - in collaboration with the Dept. of Slavonic & Finno-Ugrian Studies, University of Delhi. On 1 Feb. 2018, the Department organised Basant Panchami, the annual Festival of Music, celebrating the essence of the Spring season. UGC International seminar – “Indian Classical Music: Teaching and Performing Abroad” was organised in collaboration with Indian Council for Cultural Relations (ICCR) on 27-28 February 2018 at the Conference Centre, University of Delhi. From 13 -16 Mar. 2018, a workshop on ‘Instrument Making, Repairing & Maintenance’, was organised in collaboration with the Sangeet Natak Akademi, where Instrument makers of Tanpura, Sitar, Tabla and Mridangam demonstrated the art of making and repairing instruments.

### Publications

Das, Nabindra Nath. (2017). *Prakhyat sitar vadaak pandit Indranil Bhattacharya*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Goswami, Vineet. (2017). *Ragadari yukt bhakti rachnaye: pandit Vishnu digambar paluskarke prayog*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Khan, Anis Ahmad. (2017). *Hazrat amir khusrau ke prachalit raga, tala evam geet*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Krishan, Gopal. (2017). *Swami D. R. Parwatikar ka Bhartiya Sangeet mein Yogdaan*. Sahibabad, Uttar Pradesh: Naitik Prakashan.

Nandi, Panchali. (2017). *Professor Dhruva Tara Joshi: Ek mahaanvyaktitva*. Delhi: Sanjay Prakashan.

Phondni, Vikas. (2017). *Sant Sangeetagya Pandit Ramashray Jha: Vyaktitvaevam krititva*. Delhi: Akanksha Publishing House.

Phondni, Vikas. (2017). *Rajasthani bhasha mein rachit bandishein: Ekadhyayan*. Delhi: Akanksha Publishing House.

Sangeeta. (2017). *Shiksha ke kshetra mein Sangeet kisthiti*. Delhi: Swaraj Prakashan.

Sharma, Rajesh Kumar. (2017). *Sangeet Shodh Sanchayan*. Delhi: Sanjay Prakashan.

Suraj. (2017). *Raginigayan: Ek samriddha parampara*. Delhi: Y. E. Books Prakashan.

### Journals

Vageeshwari (March 2018) is under the process of publication

Number of Department teachers serving as Editors/Members of the Editorial Board: 9

### Seminar Organised

The Department organised a UGC International seminar titled – “Indian Classical Music: Teaching and Performing Abroad” in collaboration with Indian Council for Cultural Relations (ICCR), an autonomous body under the Ministry of External Affairs, Govt. of India, on 27-28 February 2018 at the Conference Centre, University of Delhi, where Prof. T.K. Das, Registrar, University of Delhi, was the Chief Guest, while Ms. Padmaja, Deputy Director General, ICCR, was the Guest of Honour.

The following were the Speakers –

Dr. Joep Bor, is a botanist, Sarangi artiste and musicologist, as also a Professor at the Academy of Creative and Performing Arts, Leiden University, The Netherlands, delivered the Key Note Address (27 February 2018)

Dr. Saskia Rao-de Haas, renowned Cello artiste in Hindustani music, originally from the Netherlands, spoke on “The Teaching and Performance of Hindustani Classical Instrumental Music Abroad” (27 February 2018)

Dr. Stan Scott, a Hindustani vocal artiste from the USA, presented his views (video recorded) on “The Teaching and Performance of Hindustani Classical Vocal Music in the USA”. In his absence, his teacher and renowned vocalist of the Gwalior gharana – Pandit Vidyadhar Vyas, answered queries from the audience (27 February 2018)

Dr. Sooryakanti Gayan, Director General, Mahatma Gandhi Institute, Mauritius, spoke on the “The Teaching and Performance of Hindustani Classical Vocal Music in Mauritius” (27 February 2018)

Dr. Shankar Rajan, Principal, Singapore Indian Fine Arts Society (SIFAS), Singapore, spoke on the “The Teaching and Performance of Karnatak Classical Music in Singapore” (28 February 2018)

Dr. Dhruv Chandra Regmi, an Associate Professor at Padma Kanya Multiple Campus, Tribhuvan University, Kathmandu, Nepal, is a Sitar artiste. He spoke about “The Teaching and Performance of Hindustani Classical Instrumental Music in Nepal” (28 February 2018)

Prof. Asit Roy, is a renowned Hindustani classical vocalist and *Chairperson in the Department of Theatre and Music, Rajshahi University, Dhaka, Bangladesh*. He spoke on “The Teaching and Performance of Hindustani Classical Vocal Music in Bangladesh” (28 February 2018)

Dr. Nirmala Kumari Rodrigo, is a Senior Lecturer at the University of Visual & Performing Arts and a super grade artiste in Sitar and Vocal Music at the Sri Lanka Broadcasting Corporation. She presented her views on “The Teaching and Performance of Hindustani Classical Instrumental Music in Sri Lanka” (28 February 2018)

Pandit Samir Chatterjee, is a renowned Tabla artiste, originally from Kolkata, India, but based now in the USA. He is an ‘A’ graded artiste of the All India Radio and Doordarshan. He spoke about the “The Teaching and Performance of Hindustani Classical Percussion Music in the USA” (28 February 2018)

### Conference Organised

The Malhar Utsav 2017 was organised by the Department of Music. It is a two day festival of Indian classical music, organised by the Dept. of Music, University of Delhi, each year in the months of August-September. It celebrates the joy and spirit of the Rainy season, through vocal and instrumental renditions of the many varieties of the "Malhar" raga. This year, the Utsav was organised at the Sumati Sabhagar, Dept. of Music, University of Delhi on 31 August – 1 September, 2017.

This year, there were performances by renowned artistes, viz. – Surbahar recital by Pt. Pushpraj Koshthi from Mumbai, Karnatak classical vocal recital by Ms. J. Nandini from Thiruvananthapuram, Santoor recital by Smt. Shruti Adhikari from Bhopal, and Hindustani classical vocal recital by Vidushi Arati Anklikar Tikekar from Pune.

### Other Inter-institutional collaboration

A four-day workshop on ‘*Instrument Making, Repairing & Maintenance*’, was organised from 13-16 March 2018, in collaboration with the Sangeet NatakAkademi, New Delhi, an autonomous body under the Ministry of Culture, Govt. of India. where Instrument makers of various musical instruments demonstrated the art of making and repairing instruments :

Tanpura	-	Shri Farukh Satar Maker (from Miraj, Maharashtra)
Sitar	-	Shri Mangla Prasad (from Kolkata)
Tabla	-	Shri Qasim Khan (from Delhi)
Mridangam	-	Shri Jothi Parakash M.R. (Chennai)

### Extension and Outreach Activities

The Departmental Choir, known as the Sargam Choir, performed at the following places–

Performed on the occasion of Gandhi Jayanti 2017 at the Gandhi Bhawan, University of Delhi, in the presence of the Vice Chancellor of the University of Delhi - Prof. Yogesh Tyagi, and Registrar - Prof. T.K. Das.

Performed at the ‘Rajaswa Gyan Sangam 2017’ at the Vigyan Bhawan, New Delhi, in the presence of Prime Minister - Shri Narendra Modi, and Finance Minister – Shri Arun Jaitley, in May 2017

Performed during the inauguration of the Annual Convocation in Nov. 2017

Performed in the august presence of the President of the Federal Republic of Germany – Mr. Frank-Walter Steinmeier, at the Convocation Hall, Vice regal Lodge, University of Delhi, on 23 March 2018

Performed on the occasion of the Foundation Day, University of Delhi, on 1 May 2017, at the Convocation Hall, Viceregal Lodge.

Performed in the presence of the Vice President of India – Mr. Venkaiah Naidu, along with the Vice Chancellor, University of Delhi – Prof. Yogesh Tyagi, along with Prof. Suneera Kasliwal at the Vice regal Lodge during the inauguration of the Delhi School of Journalism, on 21 Dec. 2017

Performed in the presence of former President of India – Mr. Pranab Mukherjee, at the inauguration of a National Seminar on Rights of Persons with Disabilities, on 12 Feb. 2018 at the Law Faculty, University of Delhi

#### **Number of Ph.D. /M.Phil. Awarded:**

Ph.D - 12

M.Phil – 25

#### **Faculty Strength**

Sanctioned strength : 41

Total teachers working : 26

Professor : 10

Associate Professor : 0

Assistant Professor : 6

Asst. professor (ad-hoc) : 7

Guest lecturer : 3

#### **Other significant information**

The following activities took place in the Department –

A workshop on Yoga to celebrate the International Yoga Day on 21 June 2017

Pt. Harekrishna Halder, from West Bengal, conducted a workshop on Khol, a traditional Bengali folk instrument in August 2017.

A workshop on Harmonium was conducted by Pt. Vidyadhar Oak on 26 Sept. 2017.

A workshop on Pakhawaj, an instrument of Hindustani Percussion music, was conducted by renowned maestro of the instrument – Pt. Dalchand Sharma, on 11 October 2017.

On 13 Dec. 2017, the Department organised a concert by a Hungarian folk group – Kalaka - in collaboration with the Dept. of Slavonic & Finno-Ugrian Studies, University of Delhi.

On 1 Feb. 2018, the Department organised Basant Panchami, the annual Festival of Music, celebrating the essence of the Spring season. In this, all the staff members and students performed Pushpanjali (prayer) of Ma Saraswati, and thereafter, a few select teachers and students paid their obeisance to the deity through performances in Indian classical music. Renowned Santoor artiste and the Chief Guest – Pt. Bhajan Sopori, gave away prizes to students who secured positions of merit in the Annual Inter-class Music Competition, held from 27-29 Sept. 2017.

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## **FACULTY OF SCIENCE**

### **ANTHROPOLOGY**

#### **Major Activities and Achievements**

The Department of Anthropology is committed to dissemination of anthropological knowledge through innovative teaching and collaborative research activities. It has 19 faculty members with expertise in diverse fields of specialization. In 2017-18, faculty members of the department demonstrated their merit by

publishing in high impact factor journals, participating in international conferences and engaging in international collaborative research involving prestigious research grants, thereby bringing laurels to the department. The department organizes seminars and conferences on contemporary topics in Anthropology and Forensic Science to assemble scholars, students and alumni of the Department on a common platform to deliberate on major research issues. The faculty is often honored by prestigious positions that signify their merit and leadership in interdisciplinary fields of knowledge. The students of anthropology are trained and equipped to establish themselves as anthropologists in governmental & non-governmental organizations and research institutions, for both academic and outreach activities, in India and abroad.

### Honours/Distinctions

Prof P. C. Joshi, Member of the Scientific Advisory Committee (SAC) of the Jabalpur Centre for Tribal Health, Indian Council of Medical Research, Government of India, November 2017.

Prof. P. C. Joshi, Expert Member in the Government of India Commission for Examining Sub-categorization of OBCs, March 12, 2018.

### Publications

Bandooni, S. K., Hasija, A.M., Devi, M.L. and Joshi, P.C. (2017). The Participation of Local Communities and NGOs: A step towards sustainable development in Garhwal Himalaya. *World Focus*. No 450: 111-117.

Bansal, A. & Joshi, P. C. (2017). Assessment of Cardiovascular Risk Factors among Sunni Muslims of Delhi, India. *Eurasian Journal of Anthropology*. 7 (2): 37-50. DOI: 10.12973/eja.2017.0055a

Chandel, S. & Malik, S. L. (2018). Inter-population variation in body size and body proportion among Kshatriya and Kurmi females of Uttar Pradesh, India. In Sudipta Ghosh and D.K. Limbu (Ed.). *Readings in Biological Anthropology*, (pp.45-55). Delhi: B. R. Publishing House.

Chandel, S., Rhetso, A., Malik, S. L., & Kulshreshtha, M. (2018). The association between Body Physique and Physical Fitness: a cross-sectional study among a tribal community of Dadra and Nagar Haveli, India. *International Journal of Applied Exercise Physiology*. 7 (1), 11-20.

Chandel, S., Thakur, M., Saraswathy, K. N. (2017). Age related changes in Handgrip strength and its association with ACE I/D gene polymorphism among adults: A cross-sectional study on Jat population of Haryana. *J. Indian Anthropol. Soc.*, 52, 185-197.

Chandiok, K., Mondal, P. R., Yadav, S., Saraswathy, K. N. (2017). Significant association of history of miscarriage with Obesity among Indian women of childbearing age. *Online J Health Allied Scs*. 16(1), 2.

Chandiok, K., & Monda, R. R. (2017). One Carbon Metabolism and Cardio-Metabolic risk. *Voice of Intellectual Man-An International Journal*, 7(2): 135-144.

Chandiok, K., & Mondal, P.R. (2017). Role of Microscopy in Forensic Science Research and Investigation. *Indian Internet Journal of Forensic Medicine & Toxicology*, 15(3), 55-58.

Chattopadhyaya, I. (2017). Seeing the (in) visible: Aesthetics in Prehistoric Rock Paintings, In Rajesh Purohit (Ed.). *Aesthetics in Indian Art*, Allahabad, UP: Allahabad Museum Publication.

Das, S., & Chandel, S. (2017). Association between blood pressure and anthropometric indicators of obesity among elderly rural women of India. *Indian Journal of Health and Wellbeing*, 8(9), 950-953.

Das, S., & Chandel, S. (2018). Frailty Pattern among the Elderly Rural Women of India. *Indian Journal of Gerontology*, 32(2), 138-148.

Deepani, V., & Kapoor, A. K. (2018). Variability in Human Handwritings: An Indian Understanding. *International Journal of Humanities and Social Sciences*. 7(4), 27-32.

Deepani, V., Saini, M., & Kapoor, A. K. (2017). Cognitive Dimensions of Health Management among Selected Indian Tribes. *Genus*, 1.

Deepani, V., Saini, M., & Kapoor, A. K. (2017). Demographic Fluctuations among Himalayan Populations. *Indian Journal of Research in Anthropology*. 3(2), 107-11.

Dhall, M., Kapoor, A. P., Bhasin, P., & Kapoor, S. (2018). Patterns of physical activities influencing cardiovascular and respiratory functions. *Int J Med Health Sci.*, 7(2), 47-52.

Gupta, U., Dhall, M., & Kapoor, S. (2017). Association of high blood pressure and obesity among adult females of Delhi. *Human Rights International Journal*. 5(1), 27-30.

- Joshi, P. C. (2017). Guest Editor, special issue on Environment and Sustainable Development: Emerging Challenges. *World Focus*. [No. 450].
- Joshi, P. C. (2017). Emerging Challenges in Sustainable Development and Indian Experiments. *World Focus*. 450, 12-15.
- Joshi, P.C. (2017). Human Rights, wild life and environmental protection. *Social Change*. 47(1), 1-10. Doi: 10.1177/0049085716681900
- Kapoor, A. K., and Deepani, V. (2017). Coastal anthropology: A future dynamics in India. *The International Journal of Social Sciences and Humanities Invention*, 4(7), 3576-3581.
- Kaur, S. and Chandel, S. (2017). Age changes in the body physique and its association with BMI: a cross-sectional study among school going boys of Rajasthan, India. *Human Biology Review*. 6 (3), 250-262.
- Kaur, S., & Chandel, S. (2017). The study of Anthropometric Somatotype among boys of Dangi Community from Udaipur, Rajasthan, India. In: *Anthropology and Forensic Science: The Current Dynamism*, 1, 65-75. New Delhi: Selective and Scientific Books.
- Khan, S., Saraswathy, K. N., Sachdeva, M. P., and Thakur, S. K. (2017). Menopause as an indicator for determining cardiovascular risk factors: A cross sectional study among Gaddi Tribe of Himachal Pradesh, India. *Journal of Womens Health, Issues and Care*, Doi: 10.4172/2325-9795.10002811
- Khan, S., Thakur, S. K., Saraswathy, K. N., and M. P., S. (2017). Effect of Age at Menarche on the risk of occurrence of cardiovascular adversities among A Tribal North Indian population. *Cardiology and Cardiovascular Medicine*, 1(3), 122-132.
- Kohli, H. K., Kapoor, S., Dhall, M., and Dua, S. (n.d.) Reproductive health of kumaoni Rajput women of pithoragarh. *Social Sciences International Research Journal*. 3(1), 26-32.
- Kotwani, A., Joshi, P. C., Jhamb, U., and Holloway, K. (2017). Prescriber and dispenser perceptions about antibiotic use in acute uncomplicated childhood diarrhea and upper respiratory tract infection in New Delhi: Qualitative study. *Indian Journal of Pharmacology*, 49(6), 419.
- Kulshreshtha, M., & Mondal, P. R. (2017). Acquired body marks: A mode of identification in Forensics. *Journal of Forensic and Legal Medicine*, 52, 98-109.
- Kumari, S., Mondal, P. R., & Walia, S. (2018). Prevalence of infant mortality among children of the Todapur-Dasghara village, Delhi, India. *Journal of Biological Sciences and Medicine*, 4(1), 10-15.
- Minakshi, Kumar, R., & Joshi, P.C. (2017). Sustainable development and environment: Challenges and responsibilities. *World Focus*. 450, 106-110.
- Mishra, D., Naorem, K., & Saraswathy, K. N. (2018). Angiotensin-converting enzyme gene insertion/deletion polymorphism and cardiometabolic risk factors: A study among Bhil Tribal Population from two Environmental settings. *Biochemical Genetics*, 58(4), 295-314
- Mitra, R. P. (2018). Durga's Daughters Brutalised. Crime against Women in Eastern India (Rev. Ed.). *Anthropological Insights*. Delhi: Rajat Publications.
- Mondal, P. R., Kumari, S., & Walia, S. (2017). The prevalence of obesity among children and adolescents in East Delhi. *Voice of Intellectual Man - An International Journal*, 7(2), 31-42.
- Mondal, P. R., Kumari, S., & Walia, S. (2018). Gender preferences influencing fertility among women of Todapur – Dasghara, Delhi. *Human Biology Review* (Patiala), 7(1), 19-28.
- Naorem, A. Devi, & Singh, M. K. (2017). *Neolithic Culture of North-East India (with special reference to Manipur)*. Delhi: Research India Press.
- Nilupher, M.D., and Kapoor, S. (2017). Association of type 2 diabetes with stress and hypertension among Muslim women: A case-control study. *Human Rights International Research Journal*, 5(1), 24-26.
- Ningombam, S. S., Chhungi, V., Newmei, M. K., Rajkumari, S., Devi, N.K., Mondal, P. R., & Saraswathy, K. N. (2018). Differential distribution and association of FTO rs9939609 gene polymorphism with obesity: A cross-sectional study among two tribal populations of India with East-Asian ancestry. *Gene*. 647, 198-204.
- Ningombam, S. S., Rajkumari, S., Chhungi, V., Newmei, M. K., Devi, N. K., Mondal, P. R., & Saraswathy, K. N. (2018). Type 2 diabetes and FTO rs9939609 gene polymorphism: a study among the two tribal population groups of Manipur, North East India. *International Journal of Diabetes in Developing Countries*, 1-6. <https://doi.org/10.1007/s13410-018-0634-1>

- Peteneinu, S. K., & Dhall, M. (2017). Role of stress and blood pressure among menopausal females. *Human Rights International Journal*, 5(1), 41-44.
- Rana, G., Yadav, S., Joshi, S., and Saraswathy, K. N. (2018). Association of DD genotype of angiotensin-converting enzyme gene (I/D) polymorphism with hypertension among a North Indian population. *Journal of Community Genetics*, 9(1), 51-55.
- Rawat, S., Joshi, P. C., Khan, M. A., & swathy, K. N. (2018). Trends and determinants of suicide in Warangal District Telangana, India: six years retrospective study based on secondary data. *Egyptian Journal of Forensic Sciences*, 8(1), 8.
- Rawat, S., Kaur, G., Yadav, S., Khan, M.A., and Nava, S.K. (2018). Global DNA methylation and depression: Preliminary result from community based epidemiological study. *Meta Gene*, 15, 84 - 86.
- Rupalika, Mondal, P. R., Chandel, S., Devi, N. K., Saraswathy, K. N. (2018). Ace I/D polymorphism and hand grip strength: a study on the Bhil community. *Indian Journal of Physical Anthropology and Human Genetics*. [Accepted].
- Saini, M., and Kapoor, A. K. (2018). The comparative influence of culture and schooling environment on handwriting features. *Arab Journal of Forensic Sciences & Forensic Medicine (AJFSFM)*, 1(7), 842-858.
- Dey, S. and Kapoor, A.K. (2018). Ethnicity identification through hand dimensions: A study in North India. *European Journal of Biochemical and Pharmaceutical Sciences (EJBPS)*, 5(3), 323-334.
- Saraswathy, K. N., Joshi, S., Yadav, S., and Garg, P. R. (2018). Metabolic distress in lipid and one carbon metabolic pathway through low vitamin B-12: a population based study from North India. *Lipids in Health and Disease*, 17(1), 96.
- Sharma, K. and Joshi, P. C. (2017). Reinterpreting 'sustainable development' in environmental management. *World Focus*, 450, 58-61.
- Singh, M. K., and Devi, N. A. (2017). Ethno-archaeology of the Meitei's of Thongjao Village: A Pottery Making Village of Manipur, North-East India. *Archaeologies*, 13(2), 207-249.
- Singh, M. K. and Devi, N. A. (2017). Revisited Napachik: A Neolithic Site of Manipur. *The Indian Journal of Anthropology*, 5(1), 47-86.
- Singh, M. K. and Devi, N.A. (2017). Ethno-archaeology of the Meitei's of Thongjao Village: A Pottery making village of Manipur, North – East India. *Archaeologies* 13(2), 207-249.
- Singh, M. K. and Devi, N.A. (2017). Etho-archaeology of Meitei's: Some Issues. *The Eastern Anthropologist* 70 (3-4), 301-325
- Singh, M. K. and Devi, N.A. (2017). Laimanai: A Neolithic Site of Manipur, North – East India. *Puratattva*, 47, 83-100.
- Singh, M. K. (2017). Jogiya: An Acheulian Site of Kharagpur Hills, South Bihar. *South Asian Anthropologist*, 17(1), 9 – 29.
- Singh, M. K. (2017). Mayurbhanj se Prapt Nimn Purapashankalin Sanskriti ke Awshesh (In Hindi) *Purapravah*, 2, 19-34.
- Walia, S. and Mondal, P. R. (2017). A comparative study of prevalence of childhood and adolescent obesity in east and west Delhi. In Kapoor, A.K. et. al. (Eds.), (pp. 93-100). Delhi: Selective & Scientific Books.
- Choudhary, V. and Kapoor, A. K. (2018). Anthropometric Facial Evaluation for Medico-Legal Purposes. *International Journal of Advanced Scientific Research and Management*, 3(6). [In Press].
- Choudhary, V. and Kapoor, A.K. (2018). Sexual dimorphism from facial dimensions: an identification perspective. *IMPACT: International Journal of Research in Humanities, Arts and Literature*. [ISSN (E): 2321-8878. 6: 367-378].
- Walia, S., and Monda, P.R. (2017). Demographic dynamics of maternal and child health among the people of Todapur-Dasghara, Delhi. *Voice of Intellectual Man-An International Journal*, 7(1), 57-68.
- Walia, S., Kumari, S., Mondal, & P. R. (2017). Comparison of body mass index of childhood and adolescent obesity of South Delhi and West Delhi. *Human Biology Review (Patiala)*, 6(3), 206-218.
- Zhimo, Avitoli. G. (2018). Customary laws, patriarchy and gender relations in contemporary Sumi Naga Society'. In Behera, M.C. (Ed.) *Revisiting Tribal Studies: A Glimpse After Hundred Years*. Jaipur: Rawat Publications. [ISBN 9788131609361].



Zhimo, K. V. and Joshi, P.C. (2017). Women and Land Rights: Struggles and Negotiation with Reference to Sumi Community. *Journal of Indian Anthropological Society*. 52, 62-76.

### **Journals**

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board:

Dr. Chakraverti Mahajan, Assistant Editor: *The Asian Man* (2015- till date).

### **Research Projects**

DST, Start up grant for Young Scientists, “*Quality of life with metabolic syndrome and its associated genetic markers among North Indian adults*”, 2015-2018, Dr. Meenal Dhall, PI, Rs. 25.0 Lakhs.

DU-DST Purse Grant, “*Association of genetic variants with symptoms of metabolic syndrome among urban and rural population groups*”, 2014-2018, Dr. Meenal Dhall, Co-PI, Rs.31 Lakhs.

Wellcome-DBT India Alliance Intermediate Fellowship Award for Research, 2017-2022, Dr. Vipin Gupta Rs. 3.81crores

Indian Council of Medical Research (ICMR), “*Anthropological Study of high risk community Lohanas of Gujarat for  $\beta$ -thalassaemia: genetic heterogeneity and origin of 619 bp deletion mutation (with components of ancestry based carrier screening and genetic counselling of affected families for prevention)*”, 2014-2017, Dr. Benrithung Murry, Rs. 43 Lakhs.

Indian Council of Social Science Research, “*Determinants of Suicidal Behaviour: A Study from Telangana State, India*”, 2017 – 2019, Prof. P.C. Joshi, Rs. 8.00 Lakhs.

### **Seminars Organised**

Total No.: 8

Dr. K.N. Saraswathy &Dr. NaoremKiranmala Devi organised an International Workshop for the development of full proposal involving tri-country collaboration between UK-India-Bangladesh, under the Newton Fund funded by DBT-DFID-ESRC-MRC Global Research Programme Panel;July 17-19, 2017.

The Departmentorganised a One-day National Workshop on “Ethics & Plagiarism in Research”; September 23, 2017.

The Departmentorganised a National Seminar on “Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics”; October2 - 3, 2017.

The Departmentorganised a One-day National Seminar on “Biological diversity and adaptability across different ecozones”; October 4, 2017.

The Department organised the Ist National Forensic Science Conclave: “Role of Universities in Nurturing the Discipline”; February 10, 2018.

The Departmentorganised a National Seminar on "Anthropology, Health and Development: Trends and Future Perspectives"; February 20-21, 2018.

Prof. P. C. Joshi organised a National Seminar in collaboration with Department of Studies in Anthropology, Pt. Ravi Shankar University, Raipur; March, 2018.

The Department organised a One-day Seminar on International Yoga Day; June 21, 2018 in the Department of Anthropology, University of Delhi, Delhi.

### **Conferences Organised**

Dr. Chakraverti Mahajanorganised a panel - P46,“Everyday State and its Discontents: Understanding State-Society interactions in South Asia”in the International Conference on“*Shifting States*”organised by the Association of Social Anthropologists of the UK and Commonwealth at the University of Adelaide, Australia. December 11-15, 2017.

### **Seminars/Conference Presentations**

Chattopadhyaya, I.and Das, D., “*Adaptive strategies and resource management for development:A case study in Assam*”; National Seminar on Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics;Organised by Department of Anthropology, University of Delhi; 2-3 October 2017.

Chattopadhyaya, I., “*On Human Mobility: A study of Prehistoric hunter-gatherers' mobility pattern between Ganga valley and central India*”; 3<sup>rd</sup> Annual International Conference on Anthropology, 12-15 June 2017, Athens, Greece.

Dhall, M., Invited Lecture, “*Yoga and Health: An Anthropological perspective*”, Workshop on Yoga and Nation Building: An Anthropological Perspective; 21 June 2017 Organised by Department of Anthropology, University of Delhi

Gupta, V., “*Challenges in conducting reproducible science*”, National Seminar on Biological Diversity and Adaptability in Different Eco Zones of India”; Organised by Department of Anthropology, University of Delhi; 4<sup>th</sup> October, 2017.

Gupta, V., “*Gestational Route to Healthy Birth*”. Wellcome Trust/DBT India Alliance Annual Meeting 2018, New Delhi. 17-19 May, 2018.

Joshi, P.C., Presidential Address, National Seminar on the theme “Relevance of Medical Anthropology and Tribal Health Care systems in the Globalizing World” at Raipur, Chhattisgarh; 16-18 March, 2018.

Mahajan, C., “*Militarism and Mental Health: Ethnographic Notes from Jammu and Kashmir*”; National Seminar on Relevance of Medical Anthropology and Tribal Health Care Systems in the Globalizing World at the School of Studies in Anthropology, Pandit Ravishankar Shukla University (PRSU), Raipur, Chhattisgarh; 16-18 March, 2018

Mahajan, C., “*Partition of the Household: Property Inheritance and Family Dynamics among Muslim Gujjars of Jammu and Kashmir*”; National Seminar on ‘Redefining Concepts: Tribe, Caste and Family’ organised by the Ethnographic and Folk Culture Society in collaboration with Department of Sociology and Department of Anthropology, Lucknow University, Uttar Pradesh; 26-27 March 2018.

Mahajan, C., “*Writing the Aftermath: Electoral Politics, Development and Routinisation of Communal Violence in Jammu and Kashmir*”, International Conference: *Shifting States* organised by the Association of Social Anthropologists of the UK and Commonwealth at the University of Adelaide, Australia; 11-15 December 2017.

Manoj K. Singh, Invited Lecture, “*Earliest Evidence of Culture in Europe*”, 105<sup>th</sup> Indian Science Congress, Manipur University, Imphal; 19 March, 2018.

Manoj K. Singh, “*Transition of Cultures in Eastern Ghats, Andhra Pradesh*”, International Seminar on Recent Field Researches and Scientific Studies in Indian Archaeology at Department of AIHC & Archaeology, Banaras Hindu University, Varanasi; 4-6 November, 2017.

Manoj K. Singh, “*Evidence of Mode I Culture in European Prehistory*”, Joint Annual Conference of IAS, ISPQS & HCS at Department of AIHC & Archaeology, Banaras Hindu University, Varanasi; 4-6 November, 2017.

Manoj K. Singh, “*Transition of Culture in Sagileru Basin, Prakasam District, Andhra Pradesh*”, Indian Anthropology Congress at Department of Anthropology, Gauhati University, Guwahati; 21-23 February, 2018.

Mitra, R.P., “*Tribal Transformation in Urban Fringes of Udaipur, Rajasthan*”, National Seminar on The Role of Anthropology and Forensic Science in National Development, Organised by Department of Anthropology, University of Delhi; 24 - 25 March, 2017.

Mitra, R.P., “*New Vulnerabilities and Practice of Development*”, National Seminar on Development and Social Justice organised by IGNOU, New Delhi; 15-16 February, 2018

Mitra, R.P., “*Happiness Turn In The Practice Of Development*”, National Seminar on Development and Sustainability, organised by ASI, Ministry of Culture, Government of India; 22-23 March, 2018 at Guest House, University of Delhi.

Mitra, R.P., “*Cultural Pluralism and Cultural Communication: Bridging the Gap for Sustainable Development*”, National Seminar on Dialogue on Cultural Diversity and Development organised by Western Regional Center, ASI, Ministry of Culture, Government of India. 21 May, 2018

Mitra, R.P., Keynote Speaker, “*Shamanism and Healing in Tribal Religion*” in National Seminar on Relevance of Medical Anthropology, organised by Pt. Ravishankar Shukla University, Raipur and Society for Indian Medical Anthropology (SIMA); 16-18 March, 2018.

Mondal, P.R., “*Anthropological approach to study nutritional status in India*”, National Seminar on Biological Diversity and Adaptability in Different Eco Zones of India organised by Department of Anthropology, University of Delhi, Delhi; 4 October, 2017.

Saraswathy, K.N., "*Understanding micronutrient deficiencies in human health: An Anthropological perspective*", National Seminar on Relevance of Medical Anthropology, organised by Pt. Ravishankar Shukla University, Raipur and Society for Indian Medical Anthropology (SIMA) at Raipur; 16-18 March, 2018.

Saraswathy, K.N., "*Folic acid supplementation & the puzzle of Vitamin B12 Deficiency: An Anthropological insight*", National Seminar organised by Department of Anthropology, University of Delhi, New Delhi; 30 October, 2017.

Singh, M.K., Invited Lecture, "*Yoga and Well-being*", International Yoga Day, Department of Anthropology, University of Delhi, Delhi; 21st June 2017.

Singh, M.K., Keynote Speaker, "Problem of Insurgency and Ethnicity in Manipur", National Seminar on "Environment, Sustainable Development and Future Perspective in Northeast India: Emic and Etic Dynamics" Department of Anthropology, University of Delhi; 2-3 October, 2017.

Singh, M.K., "*Food and Cultural Heritage: An Anthropological Perspective*", National Seminar on Cultural Heritage of Manipur, Department of Anthropology, Manipur University, Chanchipur Manipur; 7-8 September, 2017.

Singh, M.K., "*Sport Culture and Youth in North -East India: An Anthropological Perspective*", National Seminar on Anthropology, Health and Development: Trends and Future Perspectives, organised by Department of Anthropology, University of Delhi, Delhi; 20-21 February 2018.

Singh, M.K., "*Entrepreneurship Development: A Boon to Socio-Economic Development*", National Seminar on Role of Anthropology and Forensic Science in National Development, Department of Anthropology, University of Delhi, Delhi; 24-25 March 2017.

Singh, M.K., "*Yoga: As a Profession*", International Yoga Day, Department of Anthropology, University of Delhi, Delhi; 21 June 2018.

Srivastava, M., "*The Wings that fly us home: A review article on the Tibetan Nuns Project*", National Seminar on Anthropology, Health and Development: Trends and Future Perspectives organised by Department of Anthropology, University of Delhi; 20-21 February, 2018.

Zhimo, A.G., Keynote Address, "*Environment, Development and Gender: The case of community participation in building a dream road in India's Northeast*"; National Seminar on Environment, Sustainable Development and Future perspective in Northeast India: Emic and Etic Dynamics; Organised by Department of Anthropology, University of Delhi; 2-3 October 2017.

### **Students under Exchange Programme**

Maximilian Apel, a Bachelor's Student of Social and Cultural Anthropology (5th Semester) of Freie Universität Berlin, Berlin, Germany is currently studying in Department of Anthropology under Foreign Student Exchange Programme between January to May 2018.

Ms. Whitney Russell, a Fulbright-Nehru Scholar from University of San Diego, USA is currently based in the Department of Anthropology w.e.f. January 2018.

### **Extension and Outreach Activities**

Dr. Chakraverti Mahajan went to Gurdaspur, Punjab with a team of 20 M.Sc. 2<sup>nd</sup> year (Group B) students and two laboratory staff from 31<sup>st</sup> January 2018 to 17<sup>th</sup> February 2018 for annual dissertation fieldwork.

Dr. K.N. Saraswathy and Dr. Shivani Chandel went to Lucknow, Uttar Pradesh with 16 M.Sc. 2<sup>nd</sup> year (Group A) students and two laboratory staff from 5<sup>th</sup> February 2018 to 15<sup>th</sup> February 2018 for annual dissertation fieldwork.

Suryasnata Mazumder (M.Sc semester IV), participated in an internship programme in Patna on 12th June, 2017 on the eve of "World Day Against Child Labour" at Adhivesion Bhawan, Govt. of Patna, organised by Govt. of Patna.

Rashi Agarwal (M.Sc. semester IV), participated in a meeting held by Leaders for Tomorrow. LFT is a youth leadership movement that organizes various events like Anti-drugs and anti-ragging campaign, cleanliness drive, plantation drive etc. It also organizes a project called 'Igniting Young Minds' in which volunteers teach children belonging to low economic backgrounds for a period of two months.

Suramya Dasgupta, a B.Sc. semester VI student, held the position of President, Hansraj Dramatics Society during which, the Society put up three annual productions including two stage productions, 'Introspection' and 'L for Clowns', and a street play production, 'Main Insaan'. 'Introspection' was an absurdist

psychological thriller based on the consequences of religious extremism and was performed in several prestigious venues and won several accolades. Suramya also wrote and directed a street play titled 'Masiknama', a play emphasizing the importance of menstrual health and hygiene and tackling the status of women in the slums of Delhi. The play was performed in the heart of the Todapur slum in Delhi in collaboration with the NGO 'Swavalamban'. Suramya also co-directed a street play at Hansraj Dramatics Society on the theme of tackling drug trafficking and abuse issues in Delhi in collaboration with the Delhi Government and the Department for Women and Child Development. The play was performed in 12 significant areas around Delhi-NCR, areas with high incidence of drug abuse and crimes.

Sagarika Rao (B.Sc. semester VI) participated in Sanitation Awareness in the form of Sulabh Wall Painting at Kirti Nagar (March 2017). She was a member of Team Kalakriti - The Fine Arts Society of Hansraj College. Sagarika Rao along with Himani Rathore, Artika Singh, Sagarika Rao and Suramya Pushan Dasgupta participated in a fieldwork under Project Swavalamban, which aimed at creating Menstrual Hygiene and Awareness amongst the women of Todapur slum, Delhi. (August 2017). Artika Singh, Sagarika Rao and Himani Rathore worked as the Core Team of Swavalamban and took about 250 women for Pinkathon, a marathon organised to create breast cancer awareness (September 17, 2017). Sagarika Rao painted the walls as part of a village beautification program at Sanjay Camp, Chanakyapuri, Delhi on March 28, 2018.

Anmol Chowdhury (M.Sc Semester IV) has been volunteering with The YP Foundation since March 2017. During this period, Anmol has worked in the capacity of a peer-educator and youth advocate with the Know Your Body Know Your Rights (KYBKRY) Programme. KYBKRY works to enhance the access of young people - especially marginalized young women – to Sexual and Reproductive Health and Rights, by delivering stigma-free and rights-affirming Comprehensive Sexuality Education.

**Number of M.Phil/Ph.D degree awarded:** M.Phil. – 9; Ph.D. – 17

**Faculty Strength:** 18

#### **Other significant information**

Dr. Alison Khan, Visual Anthropologist/Filmmaker, Senior Lecturer in Film and Digital Media Production, Oxford Brookes University was invited to deliver a Special Lecture on "Visualising fieldwork: Digital Storytelling" held on 29 January, 2018.

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## **BOTANY**

### **Major Activities and Achievement**

The Department of Botany conducts teaching and research in a range of core and interdisciplinary areas of plant biology. In 2017-18, major leads were obtained on utilization of nanoparticles as nano-drug formulations with antimicrobial properties and for degradation of azo dyes-contaminated laboratory wastewater using Seabuckthorn, an under-utilized Himalayan bioresource and novel Brassica varieties. Impact of polyploidization was studied on regulatory regions of *Brassica* sp. and a novel rapid method for transient analysis of promoters was developed. Various strains of phosphate solubilizing bacteria from agricultural soils of Delhi were isolated and the phosphate solubilizing efficiency of the isolates was estimated. Green synthesis of nanoparticles using herbal extracts, their characterization and efficacy against different cancer cell lines and mosquito vectors were conducted. Assessment of populations of *Rhododendron arboreum* in the Himalayan region at different altitudes and effect of anthropogenic activities was done. Association mapping for important agronomic traits in safflower, an important drought resistant oilseed crop with nutritious and healthy edible oil was done. Isolation and validation of gender specific markers in seabuckthorn, genetic diversity studies in various plants of economic importance (including endangered herbs) and development of mapping populations and polymorphic markers for apomixis was also accomplished.

### **Honours/Distinctions**

Prof. R. Deswal was appointed as Member, Executive Committee, International *Seabuckthorn* Association

Prof. R. Deswal was appointed as Board of Studies Member - Biotechnology (2017-present), Central University, Haryana

Prof. S. Goel was appointed as Elective Council member of ADNAT (Association for Promotion of DNA Fingerprinting and Other DNA Technologies), CCMB, Hyderabad

Prof. S. Goel was appointed as Member, Board of Studies, Jamia Millia Islamia

Prof. S. Goel was appointed as Member, Board of Studies, National Institute of Plant Genome Research, New Delhi

Prof. S. Goel was appointed as Member, National Tea Research Foundation (NTRF), Tea Board, Kolkata  
Prof. V. Agrawal was elected Fellow of Linnean Society of London

Prof. V. Agrawal was awarded the Lifetime Achievement Award in Science by Venus International Foundation

Prof. V. Agrawal was appointed as Member, DRC, M.D. University, Rohtak, & GKU, Haridwar

Prof. V. Bhat was appointed as Member, Institute Management Committee of IGFRI, Jhansi, UP

## Publications

Agnihotri, P. A., Jha, M. P., Dwivedi, K. K. and Bhat, V. (2018). Isolation of Nucellin gene promoter from *H. vulgare* and its characterization in *A. thaliana*. *The International J. Plant Reprod. Biology*, 10 (2), 151-156.

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Arora, D. and Bhatla, S.C. (2017). Melatonin and nitric oxide regulate sunflower seedling growth under salt stress accompanying differential expression of Cu/Zn SOD and Mn SOD. *Free Radic Biol Med.*, Doi: 10.1016/j.freeradbiomed.2017.02.042

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Chaurasia, S. P. and Deswal, R. (2017). Identification and insilico analysis of major redox modulated proteins from *Brassica juncea* seedlings using 2D redox SDS-PAGE (2-Dimensional diagonal redox sodium dodecyl sulphate polyacrylamide gel electrophoresis). *The Protein Journal*, 36(1), 64-76.

Choudhary, A. K., Sunojkumar, P. and Mishra, G. (2017). Fatty acid profiling and multivariate analysis in the genus *Leucas* reveals its nutritional, pharmaceutical and chemotaxonomic significance. *Phytochemistry*, 143, 72-80.

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### Book Chapters

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Khatri, N. and Mudgil, Y. (2017) Salinity Stress: "OMICS" Approaches. In S.M. Zargar and V. Rai (Eds.), *Plant Omics and Crop Breeding*, (pp. 295-310). Waretown, NJ: Apple Academic Press.

Singh, S., Das, S. and Geeta, R. (2018). Role of cuticular wax in adaptation to abiotic stress - a molecular perspective. In Zargar, S.M., and Zargar, M.Y. (eds.), *Abiotic Stress-Mediated Sensing and Signaling in Plants: An Omics Perspective*, (pp: 155-182). Singapore: Springer Nature.

Jain, A., Joshi, G., Chauhan, C. and Das, S. (2018). Abiotic stress response in plants: a cis-regulatory perspective. In Zargar, S.M., and Zargar, M.Y. (eds.), *Abiotic Stress-Mediated Sensing and Signaling. In Plants: An Omics Perspective*, (pp.183-205).Singapore: Springer Nature.

### Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Prof. R. Deswal, Editor, *Frontiers in Plant Physiology*

Prof. R. Deswal Editor, *Journal of Proteins and Proteomics*

### Research Projects

UGC, *A Search For Molecular, Biochemical & Morphological (Phenotypic) Markers for Different Growth Stages of D. alata Tuber and their Relation with the Redox Status*, 2015 – 2018, Rs. 9.35 lakhs.

DBT-IBSD, *Characterizing un-explored Seabuckthorn germplasm in Sikkim for antifreeze proteins, secondary metabolites, its comparison with germplasm of Lahaul and Spiti valley, Himachal Pradesh and also utilizing the bioresources for uplifting the livelihood of local people*, 2017 – 2019, Rs. 50 lakhs

SERB, *Diversity and performance of key forest tree species and bryophytes in gap and non-gap areas along an altitudinal gradient in Uttarakhand*, 2018-2021, Rs. 41.43 lakhs.

SERB, *At NDL Proteins: Molecular Mechanism of Action in Regulation of Plant Growth and Development*, 2017-2020, Rs. 40.89 lakhs.

DBT, *Root Development related Signaling Networks: Role of At N-myc Downregulated Like Proteins and Interacting Partners*, 2018-2021, Rs. 49.87 lakhs.

SERB, *Quantifying the total ecosystem level carbon sequestration potential of different forest ecosystems along an elevational gradient in Uttarakhand, Western Himalaya in different climate scenarios*, 2017-2021, Rs. 41.48 lakhs.

SERB, *Bioassay guided Isolation, Identification and Elicitation of Anticancerous bioactive compounds from Nardostachys jatamansi, Psoralea corylifolia and Plumbago zeylenica*, 2017-2020, Rs. 33.185 lakhs.

DBT, *Identification of trans-factors interacting partners of promoters of a miRNA-transcription factor module from Brassica juncea*, 2017-2020, Rs. 54.813 Lakhs.

### Conferences Organised

The Department of Botany organised the 3<sup>rd</sup> Plant Proteomics Workshop on “Mining Proteome and Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond” on December 19 - 23, 2017.

## Seminars/Conference Presentations

Agrawal, V., Invited Lecture, “*Medicinal Herbs: Booster of Human Health and Clean Environment*” Environmental Day celebration, Gandhi Bhawan, University of Delhi. 5 June, 2017.

Agrawal, V., Invited Lecture on “*Generation and validation of molecular markers for identification of sex and genetic diversity analysis in Jojoba (Simmondsia chinensis (Link) Schneider): a potential oil yielding dioecious crop*” held at Department of Botany, Maharshi Dayanand University, Rohtak, Haryana, India; 20 June 2017.

Agrawal, V., Invited Lecture, “*Frontiers in Biotechnology: GM Crops and Biopharmaceuticals*”, at Kirori Mal College, Univ. of Delhi, Inaugural function of Botanical Society, 15 February, 2018.

Agrawal, V., Invited Lecture, “*In vitro elucidation of anti-tumorous activity, isolation and elicitation of bioactive compounds from Cullen corylifolium (syn. Psoralea corylifolia): an important medicinal herb*”. Proceedings National Symposium on Plant Biotechnology and 39<sup>th</sup> Annual Meeting of Plant Tissue Culture Association (India), AFRI, Jodhpur; 16-18 February, 2018.

Agrawal, V., Invited Lecture as resource person on “*Bioassay guided isolation, characterization and elicitation of antimalarial and anticancerous bioactive molecules from medicinal plants*”, workshop on Quality Improvement Program, Delhi Institute of Pharmaceuticals Sciences and Research, New Delhi; 13 March 2018.

Bhandari, P.K., Bhatia, M., and Uniyal, P.L., Poster presentation on “*Status of orchids in Uttarakhand*”, XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics, Priorities and Challenges, University of Delhi; 10-12 Nov 2017.

Bhatia, V., Sharma, P. and Uniyal, P. L., Poster presentation on “*Assessment and Conservation of Indian Ephedra species through DNA Barcoding: A review*”, XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics, Priorities and Challenges, University of Delhi; 10-12 Nov 2017.

Chaurasia, S.P., and Deswal R., Poster presentation on “*Identification of major Redox Modulated Proteins from Brassica juncea seedlings, and demonstration of differential sensitivity of RuBisCO large and small subunit towards oxidative stress*” at National Conference on Protein Structure and Dynamics in Health and Agriculture, Jamia Hamdard University Delhi, India; 3-4 November, 2017.

Das, S., Oral Presentation, “*Comparative analysis of organisation, evolutionary history and function of regulatory elements: insights gained from Brassicaceae*”. National Symposium on Plant Biotechnology 2018: Recent Trends in Plant Propagation, Genetic Improvement & Industrial Applications; and 39<sup>th</sup> annual meeting of PTCA, AFRI, Jodhpur; 16 - 18 February 2018.

Das, S., Invited Lecture as Resource Person on “*Sequence analysis: annotation and alignment strategies: an overview*”. Training program and workshop on “Recent trends in Bioinformatics”, DDU College, Delhi University; 31 January, 2018.

Deswal R., Inaugural Lecture “*Nitrosylation mediated nitric oxide (NO) signaling in cold stress on Brassica juncea seedlings*”, Hansraj College, University of Delhi, Delhi; 8 September, 2017.

Deswal R., Invited Lecture on “*Antifreeze Protein (AFP) as a novel downstream target in ICE-CBF signalling pathway in Hippophae rhamnoides*” at National Conference on Seabuckthorn for Improving Health and Sustainable Development of Himalayan Region, DIHAR, Leh-Ladakh, India; 22-23 September, 2017.

Goel, S., Invited Lecture, “*Research Methodology and Pedagogy in Universities*” Faculty Development Programme, Amity University Madhya Pradesh, Gwalior; 6–12 June 2018.

Goel, S., Tandon, R., Mangla, Y., Das, K. and Raina, S.N., Plenary Lecture on “*DNA based gender markers for sustainable utilization of Seabuckthorn (Hippophae rhamnoides L. ssp turkestanica), a promising future crop*”, National Conference on Emerging Environmental Challenges and Sustainable Development organised by Society for Environment and Development; 21-23 March 2018.

Sharma, S., and Deswal R., Poster presentation on “*Change in the redox status triggers tuber germination and showed the involvement of Asada-Halliwell pathway in germination.*” 9<sup>th</sup> Annual Meeting of Proteomics Society, India (PSI) & International Conference on Proteomics in Health and Disease, Institute of Life Sciences, Bhubaneswar; 30 Nov – 2 Dec, 2017. Awarded Best Poster Award & Travel Grant.

Sharma, B., and Deswal R., Poster presentation on “*Exploring the Nanobiotechnological Potential of a Himalayan Shrub, Hippophae rhamnoides for Azo Dyes Decontamination*” at National Conference on

*Seabuckthorn* for Improving Health and Sustainable Development of Himalayan Region, DIHAR, Leh-Ladakh, India; September 22-23, 2017. Awarded Best Poster Award.

Sharma, B., Singh, A., and Deswal R., Poster presentation on “*Exploring the Nanobiotechnological Potential of Novel North Indian varieties of Brassicaceae for their Antimicrobial Potential*”. Conference on “Emerging Discoveries in Health and Agricultural Sciences”, JNU, New Delhi; 16 -19 November 2017. Awarded Best Poster Award.

Sharma, P. and Uniyal, P.L., Invited Lecture on “*Potential effect of disturbances on the survival of medicinal plants and formulation of conservation and reintroduction strategies*”; National Seminar on Ethnobotany and Traditional knowledge in Biodiversity Conservation, Baba Gulam Shah Badshah University, Rajouri (J & K); 8-9 March 2018.

Kapoor, R., Invited Lecture on “*Arbuscular mycorrhiza (AM) in augmenting the yield of medicinal plants*” in the 13th session of Jammu and Kashmir Science Congress, “Emerging Technologies and Human Society: Applications and Constraints”, University of Kashmir, Srinagar 2-4 April 2018.

Kapoor, R., Invited Lecture on “*Arbuscular mycorrhiza (AM) and sustainable agriculture of medicinal plants*” in national conference on “Emerging Environmental Challenges and Sustainable Development” jointly organised by Swami Shraddhanand College, Department of Botany, University of Delhi, Delhi and Society for Environment and Development, (SED India), New Delhi; 21-23 March 2018.

Mudgil, Y., Invited Lecture, “*Current insights in regulation of meristem organization*” at Department of Botany, Savitribai Phule Pune University; 27 April 2018.

Singh, S., Geeta, R., and Das, S., Resource Persons: Oral Presentation on “*Plant cuticle: evolution, structure, and function of cuticular waxes.*” 3<sup>rd</sup> Plant Proteomics Workshop: Mining Proteome & Deep Proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond. Department of Botany, University of Delhi; 21 December, 2017.

Tandon, R., Invited Speaker, *Pollination strategies in some selected tree species*, Department of Botany, Hansraj College Summer School Programme under DBT Star College Scheme; 29 May, 2017.

Tandon, R., Resource Person, *Learning from ecosystem services*, Summer School-Biological Sciences for undergraduates, Hans Raj Mahila Maha Vidyalaya, Jalandhar; 5 July, 2017.

Tandon, R., Invited Speaker, *Wonders of pollination at work*, DBT Star College Scheme, Acharya Narendra Dev College, University of Delhi, Delhi; 26 September, 2017.

Tandon, R., Plenary Lecture, *Dynamics of plant-pollinator interaction*, National Seminar on Trends in Contemporary Research in Plant Sciences, Department of Botany, Vidyasagar University; 30 March, 2018.

#### **National/International MoUs signed**

National - Institute of Bio-resources & Sustainable development (IBSD), Imphal, Manipur on characterization of unexplored *Seabuckthorn* germplasm.

International – Material Transfer Agreement and collaborative work on Myrosinases in *Brassica juncea* with Swedish University of Agricultural Sciences, Sweden.

International – Bilateral Collaboration Agreement with Samarkand State University, Uzbekistan on Medicinal Plant Biotechnology (Plant Sciences).

#### **Placement Details (Number and percentage of students placed):**

Dr. Prakriti Kashyap: Awarded National Post-Doctoral Fellowship (N-PDF) by SERB at CSIR - Institute of Himalayan Bioresource Technology, Palampur.

Dr. Kuldeep Sharma: Appointed as Assistant Professor (Permanent) at Mohanlal Sukhadia University, Udaipur, Rajasthan.

Dr. Himanshi Kapoor: Awarded National Post-Doctoral Fellowship (N- PDF) by SERB at Institute of Genomics and Integrative Biology, Mall Road, Delhi.

Dr. Rajeshwari Nanda: Appointed as Assistant Professor (Ad-hoc) in Miranda House College, Delhi University.

**Number of M.Phil./Ph.D. Degrees Awarded :** Ph.D. – 21; M.Phil. – 3

**Faculty Strength:** 23

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## CHEMISTRY

### Major Activities and Achievements

The Department of Chemistry is one of the premier Departments in the country and is involved in a diverse spectrum of research areas including experimental, theoretical and computational studies on bio-organic chemistry, chemical biology, coordination chemistry, electrochemistry, green chemistry, material chemistry, medicinal chemistry, natural products, nano-chemistry, polymers, synthetic chemistry, etc. Faculty members published more than 230 research papers in peer reviewed journals of high impact and awarded 53 Ph.D. degrees in the last one-year. The Department arranged several memorial and oration award lectures, and colloquia by eminent speakers, which imparted advanced knowledge of contemporary research topics to Ph.D. and postgraduate students. Apart from collaborating with international experts, our faculty members are invited to share their novel research findings through keynote, plenary and invited lectures in National and International Conferences and Institutions. The extramural research projects that are secured by our Faculty facilitate in developing and upgrading state-of-the-art laboratory facilities and in training young scholars. Many faculty members have been conferred with prestigious medals and honors. One faculty member is a Fellow of Indian Academy of Science.

### Honours/Distinctions

Prof. R. Chandra was awarded 105th Indian Science Congress Millennium Plaques of Honor award, 2017-18.

Prof. Rama Kant was elected Member of CRSI Council (2017-2020).

Prof. Rama Kant awarded Acharya J. C. Ghosh Memorial Medal of Indian Chemical Society (2016-2017).

### Publications

Agarwal, D., Gupta, R. D., & Awasthi, S. K. (2017). Are antimalarial hybrid molecules a close reality or a distant dream? *Antimicrobial Agents Chemother*, 61, e00249.

Aggarwal, K. & Khurana, J. M. (2017). Synthesis and Application of a Novel Indenoquinoline Dione Conjugate as A Dual Fluorescent and Colorimetric pH Sensor. *Journal of Luminescence*, 187, 457-465.

Aggarwal, L. & Biswas, P. (2018). Hydration Water Distribution around Intrinsically Disordered Proteins. *The Journal of Physical Chemistry B*, 122, 4206-4218.

Aggarwal, P., Sharma, S., Kaur, H., Singh, S. & Hazra, R. K. (2017). Exact spectra of strong coulomb correlations of 3-D 2-e harmonic dots in magnetic field. *Physica E: Low-dimensional Systems and Nano-structures*, 85, 56-64.

Aggarwal, P., Sharma, S., Singh, S., Kaur, H. & Hazra, R. K. (2017). Exact e-e (exchange) correlations of 2-D quantum dots in magnetic field: Size extensive N = 3, 4, n-electron systems via multi-pole expansion. *Physica E: Low-dimensional Systems and Nano-structures*, 88, 26-34.

Agarwal, S., Kidwai, M., Poddar, R., & Nath, M. (2017). A facile and green approach for the one-pot multicomponent synthesis of 2, 4, 5-triaryl- and 1, 2, 4, 5-tetraarylimidazoles by using zinc-proline hybrid material as a catalyst. *ChemistrySelect*, 2, 10360-10364.

Ahmed, S., Kaushik, M., Chaudhary, S. & Kukreti, S. (2018). Structural polymorphism of a cytosine-rich DNA sequence forming i-motif structure: Exploring pH based biosensors. *International Journal of Biological Macromolecules*, 111, 455-461.

Arora, G., Yadav, M., Gaur, R., Gupta, R., & Sharma, R. K. (2017). A Novel and Template-Free Synthesis of Multifunctional Double-Shelled Fe<sub>3</sub>O<sub>4</sub>-C Nanoreactor as an Ideal Support for Confined Catalytic Reactions. *Chemistry Select*, 2, 10871-10879.

Arora, R., Issar, U. & Kakkar, R. (2018) In silico study of the active site of Helicobacter pylori urease and its inhibition by hydroxamic acids. *Journal of Molecular Graphics & Modelling*, 83, 64-73.

Arora, R., Issar, U. & Kakkar, R. (2017). Theoretical study of the molecular structure and intramolecular proton transfer in benzohydroxamic acid. *Computational & Theoretical Chemistry*, 1105, 18-26.

Arora, R. & Kakkar, R. (2017). Negative Ion Wolff rearrangement of some diazoketones: A theoretical mechanistic study. *Computational & Theoretical Chemistry*, 1106, 50-57.

Arora, R., Kashyap, K. & Kakkar, R. (2018). Rearrangements in radical cations of diazoketones: A DFT mechanistic study. *Computational & Theoretical Chemistry*, 1134, 30-36.

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- Arya, G., Sharma, N., Ahmed, J., Gupta, N., Kumar, A., Chandra, R. & Nimesh, S. (2017). Degradation of anthropogenic pollutant and organic dyes by biosynthesized silver nano-catalyst from *Cicer arietinum* leaves. *Journal of Photochemistry and Photobiology B: Biology*, 174, 90-96.
- Badhani, B. & Kakkar, R. (2017). DFT study of structural and electronic properties of gallic acid and its anions in gas phase and in aqueous solution. *Structural Chemistry*, 28(6), 1789-1802.
- Badhani, B. & Kakkar, R. (2018). Structural, electronic, and reactivity parameters of some triorganotin (IV) carboxylates: a DFT analysis. *Structural Chemistry*, 29(3), 753-763.
- Badhani, B. & Kakkar, R. (2018). Influence of intrinsic and extrinsic factors on the antiradical activity of gallic acid: a theoretical study. *Structural Chemistry*, 29(1), 359-373.
- Bansal, D. & Gupta, R. (2017). Hydroxide-bridged Dicopper Complexes: The Influence of Secondary Coordination Sphere on Structure and Catecholase Activity. *Dalton Transactions*, 46, 4617 – 4627.
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- Bartwal, G., Saroha, M., & Khurana, J. M. (2018). Nickel boride mediated chemoselective deprotection of 1,1-diacetates to aldehydes and deprotection with concomitant reduction to alcohols at ambient temperature. *Synthetic Communication*, 48, 97-103.
- Basu, S. & Biswas, P. (2018). Salt-bridge dynamics in intrinsically disordered proteins: A trade-off between electrostatic interactions and structural flexibility. *Biochimica et Biophysica Acta (BBA) – Proteins and Proteomics*, 1866, 624-641.
- Bishnoi, S., Milton, M. D., Paul, T. K., Pal, & A. K., Taraphder, S. (2017). Small non-planar phenothiazine-5-oxide-based molecules: structural characterization, photophysical, thermal and computational studies. *Chemistry Select*, 2, 3084-3092.
- Bisht, M., Mondal, D., Pereira, M. M. Mara, G. F., Venkatesu, P. & Coutinho, J. A. P. (2017). Long-term protein packaging in cholinium-based ionic liquids: Improved catalytic activity and enhanced stability of cytochrome C against multiple stresses. *Green Chemistry*, 19, 4900-4911.
- Bisht, Y., Tomar, R. Abhilash, P. Lekshmi, D. R. & Thirumal, M. (2017). Microwave dielectrics: Solid solution, ordering and microwave dielectric properties of (1-x) Ba (Mg<sub>1/3</sub>Nb<sub>2/3</sub>) O<sub>3</sub>-xBa(Mg<sub>1/8</sub>Nb<sub>3/4</sub>)O<sub>3</sub> ceramics. *Bulletin of Materials Science*, 40(6), 1165.
- Bragta, P., Sidhu, R. K., Jyoti, K., Baldi, A., Jain, U. K., Chandra, R. & Madan, J. (2018). Intratumoral administration of carboplatin bearing poly ( $\epsilon$ -caprolactone) nanoparticles amalgamated with in situ gel tendered augmented drug delivery, cytotoxicity, and apoptosis in melanoma tumor. *Colloids and Surfaces B: Biointerfaces*, 166, 339-348.
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- Chakraborty, P., Kothari, A. & Nagarajan, R. (2018). Highly ordered polyaniline as an efficient dye remover. *Adsorption Science and Technology*, 36, 429-440.
- Chand, K., Yadav, P., Prasad, S., & Sharma, S. K. (2017). Synthesis and antibacterial activity screening of N- & O- substituted quinolin-2-one acetamide derivatives. *Indian Journal of Chemistry*, 56B, 1243-1250.
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- Chaudhary, S., Kaushik, M., Ahmed, S., Kukreti, R., & Kukreti, S. (2018). Structural Switch from Hairpin to Duplex/Antiparallel G-Quadruplex at Single Nucleotide Polymorphism (SNP) Site of Human Apolipoprotein E (APOE) Gene Coding Region. *ACS Omega*, 3, 3173–3182.
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- Das, T., Chauhan, H., Deka, S., Chaudhary, S., Boruah, R. & Saikia, B. K. (2017). Promising carbon nanosheet-based supercapacitor electrode materials from low-grade coals. *Microporous and Mesoporous Materials*, 253, 80-90.
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- Dhillon, S. & Kant, R. (2017). Theory for Electrochemical Impedance Spectroscopy of Heterogeneous Electrode with Distributed Capacitance and Charge Transfer Resistance. *Journal of Chemical Science*, 129, 1277-1292.
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- Gaur, R., Yadav, M., Gupta, R., Arora, G., Rana, P. & Sharma, R. K. (2018). Aerobic oxidation of thiols to disulfides by silver-based magnetic catalyst. *ChemistrySelect*, 3, 2502-2508.
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- Goel, S., Yadav, H., Sinha, N., Kumar, B., Singh, B., Bdkin, I., Rao, C. D. & Gopalaiah, K. (2017). An Insight into the Synthesis, Crystal Structure, Geometrical Modelling of Crystal Morphology, Hirshfeld Surface Analysis and Characterization of N-(4-Methylbenzyl) benzamide Single Crystals. *Journal of Applied Crystallography*, 50, 1498–1511.
- Gopalaiah, K., Saini, A. & Devi, A. (2017). Iron-Catalyzed Cascade Reaction of 2-Aminobenzyl Alcohols with Benzylamines: Synthesis of Quinazolines by Trapping of Ammonia. *Organic and Biomolecular Chemistry*, 15, 5781–5789.
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## Book

Kaur-Ghumaan, S., Sakthivel, A., Sathiyendiran, M. & Masram, D. T. (2017). *Electronic & Magnetic Properties of Transition & Inner Transition Elements & Their Complexes*. New York, NY: Nova Science Publishers.

## Book Chapters

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## Research Projects

Prof. Ramesh Chandra: DST-SERB, 2016-2019, Synthesis and Characterization of Eco-friendly Gold supported LDH catalyst, application in Synthesis of Organic Compounds. Rs. 49, 61,440/-



Prof. Ramesh Chandra: DST-SERB, 2016-2019, Design, synthesis and biological screening of chiral pyrazinoindoles and pyrazinopyrroles as potential antibacterial agent. Rs. 43,26,000/-

Prof. Ramesh Chandra: CSIR, 2016-2019, Synthesis and Biological Evaluation of a Novel Class of Anti-tumor drugs based upon the natural alkaloid noscapine. Rs. 29,76,540/-

Prof. R. K. Sharma: DST-WTI, 2017-2020, Designing and synthesis of highly stable functionalized silica based organic-inorganic hybrid materials/nanomaterials for the online and selective recovery of various metals from different charged wastewater. Rs. 47,27,000/-

Prof. A. K. Prasad: DRDO, 2018-2020, Sanction of CARS, Synthesis of flame-retardant breathable moisture-cure Polyurethane (PU) based adhesive" to Dept. of Chemistry, University of Delhi under CFEES S&T project "Development of Multifunctional Moisture Barrier Fabric for Fire Protective Suits. Rs. 44,37,600/-

Prof. A. K. Prasad: DRDO- DIPAS, 2018-2019, Synthesis and study of aggregation behaviour of sugar-PEG based amphiphilic co-polymers for the encapsulation of dihydropyridine derivatives. Rs. 9,60,000/-

Prof. Rama Kant: DST-SERB, 2017-2020, Electrochemical Impedance at Rough and Porous Electrodes: Theory and Experimental Corroboration. Rs. 38,50,440/-

Prof. Rama Kant: Applied Materials India Pvt Ltd, 2015-2018, Modeling of Solid State Batteries. Rs. 12,48,000/-

Prof. S. K. Sharma: DST-DFG International Collaboration, 2017-2020, Chemo-enzymatic synthesis of multivalent dendritic architectures for the control of neurodegenerative disorders. Rs. 38,60,980/-

Prof. S. K. Sharma: DST-SERB, 2016-2018, Design and Synthesis of Oligoglycerol and PEG based Nanocarriers for Biomedical Applications. Rs. 47,26,000/-

Prof. R. Gupta: DST-SERB, 2016-2019, Molecular Assemblies and Coordination Polymers Decorated with Hydrogen Bonds: Recognition, Binding, and Activation of Analytes/Substrates. Rs. 49,35,040/-

Prof. R. Gupta: CSIR, 2016-2019, Metal Complexes with Secondary Coordination Sphere: Recognition and Binding of Analytes and Activation of Substrates. Rs. 6,00,000/-

Prof. Parbati Biswas: DST-SERB, 2017-2020, Hydration Pattern of Misfolded proteins. Rs. 43,39,940/-

Prof. R. Nagarajan: DST-SERB, 2017-2020, Exploring multifunctional properties of the solid solutions of rare-earth oxides with oxides of p-block metal ions possessing related structures. Rs. 33,68,695/-

Prof. S. Uma: DST-SERB, 2017-2020, Exploratory Synthetic Investigation to Recognize Novel Solid Oxide Materials with an Emphasis on Layered Structures. Rs. 34,28,480/-

Dr. Indrajit Roy: Nanomission, 2017-2020, Drug-loaded magnetic-nanoscale metal-organic frameworks (MNMOFs) for applications in targeted drug delivery and light-activated therapy. Rs. 54,30,316/-

Dr. Indrajit Roy: UGC-UKIERI, 2017-2020, Multifunctional Nanoparticles in Cancer Therapy. Rs. 34,11,828/-

Dr. P. Venkatesu: CSIR, 2017-2020, The attenuating ability of ionic liquids against the thermal, chemical and cold-induced unfolding of proteins. Rs. 18,00,000/-

Dr. P. Venkatesu: DST-SERB, 2017-2020, The phase transition of thermo-responsive polymer in the presence of proteins as stimuli. Rs. 40,00,000/-

Dr. Raj Kishore Sharma: DST-SERB, 2018-2020, Physicochemical performance evolution by tuning the growth variables of holey graphene nanoribbon carbon soot derived aerogel based asymmetric supercapacitor. Rs. 39,00,000/-

Dr. Surendra Singh: DST-SERB, 2017-2020, Development of efficient and reusable chiral catalysts for the asymmetric Friedel-Craft reaction for the synthesis of biologically important molecules. Rs. 35,93,480/-

Dr. Surendra Singh: CSIR, 2018-2021, Synthesis and Development of Chiral Metal Organic Frameworks and Their Application in Asymmetric Catalysis. Rs. 28,06,000/-

Dr. Sasanka Deka: DST-SERB, 2017-2020, Development of advanced nanomaterials for benchmark electrocatalytic hydrogen and oxygen evolution from water. Rs. 35,00,000/-

Dr. Sandeep Kaur: CSIR, 2018-2021, Design, Synthesis and Characterization of Earth-Abundant Metal Complexes (Co, Fe, Ni) as Electrocatalysts for Proton Reduction. Rs. 15,75,000/-

Dr. Firasat Hussain: DST-SERB, 2017-2018, Synthesis, characterization and catalytic applications of organic-inorganic hybrid 3d-4f heterometallic polyoxotungstates. Rs. 35,00,000/-.

### Patents Filed/Granted

Diwan S. Rawat\*, Binghe Wang, Nitin Kumar, Sunny Manohar, Xiaochuan Yang, Guojing Sun; US Patent No.: 9884825B2 (2017); Curcumin analogues and methods of making and using thereof.

Diwan S. Rawat\*, Sunny Manohar, Umma disetty Chinna Rajesh, Deepak Kumar, Anuj Thakur, Mohit Tripathi, Panyala Linga Reddy, Shamseer Kulangara Kandi, SatyapavanVardhineni, Kwang-Soo, and Chun-Hyung Kim; Pub No.: US 2017/0209441 A1 (2017); Amino-quinoline based hybrids and uses thereof.

Diwan S Rawat\*, Sunny Manohar, U. Chinna Rajesh; Indian Patent No.: IN 283657 (2017), Amino-quinoline based hybrids and uses thereof.

### Seminars/Memorial Lectures Organised

Prof. B. S. Garg Felicitation Seminar, Prof. A. K. Bakshi; September 2, 2017.

Prof. Amarnath Maitra Memorial Seminar, Prof. Arabinda Chaudhuri; February 10, 2018.

Prof. C. N. R. Rao Oration Award, Speaker: Prof. Clement Sanchez, College de France Lecture, January 31, 2018.

Prof. Har Gobind Khorana Memorial Lecture by Prof. Goverdhan Mehta, FRS, FNA, National Research Professor, University of Hyderabad. January 12, 2018.

Prof. R. P. Mitra Memorial Lecture by Prof. E. D. Jemmis, Department of I & PC, Indian Institute of Science, Bengaluru. January 12, 2018.

Prof. G. V. B. Subramanian Memorial Lecture by Prof. K. N. Ganesh, Director IISER Tirupati. January 12, 2018.

Prof. G. S. Saharia Memorial Lecture by Prof. K. R. Prasad, Department of Organic Chemistry, Indian Institute of Science, Bengaluru. January 12, 2018.

Prof. Gurbaksh Sing Memorial Lecture by Prof. Javed Iqbal, Cosmic Discoveries, Hyderabad. January 13, 2018.

Prof. I. P. Mittal Memorial Lecture by Prof. Oliver Reiser, Regensburg, Germany. January 13, 2018.

Prof. B. D. Laroia Memorial Lecture by Prof. Norio Shibata, Nagoya Institute of Technology, Japan. January 13, 2018.

Prof. T. R. Seshadri Memorial Lecture by Prof. V. K. Singh, Director, IISER, Bhopal. January 14, 2018

Prof. A. M. Bains Memorial lecture by Prof. Kevin Shaughnessy, Chair Department of Chemistry, University of Alabama, USA. January 14, 2018

### Conferences Organised

The Department of Chemistry organised an International Conference on "Emerging Trends in Drugs Development And Natural Products" (ETDDNP-2018), University of Delhi, Delhi, January 12 - 14, 2018.

### Seminar/Conference Presentations

#### Medal/Plenary/Keynote/Memorial Lectures

Deka, S., Dr. C.K. Khurana Memorial lecture, Gargi College, 6 September, 2017.

Deka, S., Plenary lecture, *Metal alloy and chalcogenide nanoparticles for few useful catalytic applications*, International Conference on Nano- and Functional Materials: Interface between Science and Engineering (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan, 16-18 November, 2017.

Kant, R., Keynote lecture, *Anomalies in Electric Double Layer Response on Rough and Porous Electrodes*, Second International Conference on Electrochemical Science and Technology, Indian Institute of Science, Bengaluru, 10-12 August, 2017.

Kant, R., Acharya J. C. Ghosh Memorial Medal Lecture, *Electrochemical Impedance Spectroscopy of Rough and Porous Electrodes*, 54th Annual Convention of Chemists (ICS-2017), Department of Chemistry, Uka Tarsadia University, Bardoli, Surat, Gujrat, 23-25 December, 2017.

Sharma, R.K., Plenary Lecture, *Emerging Dimensions and Challenges Ahead*, 6<sup>th</sup> National Conference on Chemical & Environmental Sciences, (NCCES-2017), Arya P. G. College, Panipat, 1 April, 2017.

#### Invited Lectures

Biswas, P., *Understanding Intrinsic Disorder in Proteins*, International Conference on Intrinsically Disordered Proteins: Forms, Functions and Diseases 2017, IISER-Mohali, Mohali, 9-12 December, 2017.

Biswas, P., *Exploring Intrinsic Disorder in Proteins*, National Symposium on contributions of Women in Science in India, Indian Science News Association (ISNA), Kolkata, 15-16 February, 2018.

Deka, S., *AgI-xNi alloy nanoparticles and CuCo<sub>2</sub>S<sub>4</sub> nanosheets and their useful catalytic applications*, International Conference on Nanobiotechnology, Jamia Millia Islamia, New Delhi, 5-6 February, 2018.

Deka, S., *Development of transition metal based alloy and chalcogenide nanoparticles and their emerging applications*, School of Physical Sciences, Jawaharlal Nehru University, New Delhi, 16-17 March 2018.

Prasad, A.K., *Sugars to Value Added Products of Importance*, International Conference on Recent Trends in Science & Technology, SSSKR Innani Mahavidyalaya Washim, Maharashtra, 22-23 March, 2018.

Gopalaiah, K., *Sustainable Metal-Catalyzed Aerobic Oxidative Transformations for Synthesis of Nitrogen-Heterocycles*, 10<sup>th</sup> National Conference on Solid State Chemistry and Allied Areas at Delhi Technological University, Delhi, 1-3 July, 2017.

Gopalaiah, K., *Bond Formations between Two Nucleophiles: Sustainable Metal-Catalyzed Oxidative Reactions*, 36<sup>th</sup> Annual Conference of Indian Council of Chemists at School of Chemistry, Andhra University, Visakhapatnam, 26-28<sup>th</sup> December, 2017.

Gupta, R., *Designer Materials: A Chemist's View*, 10<sup>th</sup> National Conference on 'Solid State Chemistry and Allied Areas (ISCAS – 2017)', Delhi Technological University, 1 – 3 July, 2017.

Gupta, R., *Coordination Chemistry: History and Journey to Future*, Science Academies Lecture Workshop, Department of Chemistry, University of Kashmir, Srinagar, 19 – 20 July, 2017.

Gupta, R., *Supramolecular Chemistry: Intriguing Examples*, Science Academies Lecture Workshop, Department of Chemistry, University of Kashmir, Srinagar, 19 – 20 July, 2017.

Gupta, R., *Designer Functional Materials: A Chemist's View*, 21<sup>st</sup> International Conference of Indian Academy of Physical Sciences (CONIAPS – XXI), Guru Jambheshwar University of Science and Technology, Hisar, Haryana, 28 – 30 October, 2017.

Gupta, R., *Molecularly Designed Architectures: Design Aspects and Applications*, Department of Chemistry, University of Hyderabad, 31 October, 2017.

Gupta, R., *Coordination Polymers and Molecular Assemblies Decorated with Hydrogen Bonds*, Symposium on Modern Trends in Inorganic Chemistry (MTIC-XVII); NCL-Pune & IISER-Pune, India, 11 – 14 December, 2017.

Hazra, R.K., *Exact e-e (exchange) correlations of 2-D quantum dots in magnetic field: Size extensive N=3,4,...,n'-electron systems via multi-pole expansion*, 4<sup>th</sup> Annual World Congress of Smart Materials-2018, Osaka, Japan, Osaka University, Japan, 6-8 March, 2018.

Kant, R., *Contemporary Electrochemical Energy Systems*, Karunya University, Coimbatore, Tamilnadu, 5 September, 2017.

Kant, R., *Phenomenological Theories for Modelling of Solid State Li-ion Batteries*, 1st World Conference on Solid Electrolytes for Advanced Applications: Garnet & Competitors, Department of Physics, Pondicherry University, India, 6-9 September, 2017.

Kaur-Ghumaan, S., *Bioinspired Model Complexes Mimicking the [FeFe] Hydrogenase Enzyme Active Site: An Alternative Energy Resource*, Thematic Conference in Chemical Sciences (TC2S) – 2017: Sustainable Chemistry, Department of Chemistry, IIT Ropar, May-2017.

Prasad, A.K., *Sugar Modification and Its Novel Application*, 8<sup>th</sup> National Conference of Haridwar Chapter of The Indian Science Congress Association on Reaching the Unreached through Science & Technology, Nainital, Uttarakhand, 14-15 October 2017.

Prasad, A.K., *Carbohydrate Modification: Route to Novel Nucleosides and Amphiphiles*, CARBO-XXXII "Emerging Chemistry and Biology of Carbohydrates" (ECBC-2017), IIT Kharagpur, 18-20 December 2017.

Prasad, A.K., *Important Applications of Bio-renewable Resources*, National conference on "Current Advances in Microbiology & Biotechnology for Agriculture, Industry, Environment and Healthcare", M.G.S. University, Bikaner, 19-20 January 2018.

Roy, I., *Inorganic-organic hybrid nanomaterials for targeted and controlled drug delivery*, 2nd International Symposium on Physics, Engineering and Technologies for Bio-Medicine, Institute of

Engineering Physics for Biomedicine of the National Research Nuclear University (MEPhI), Moscow, Russia, 10-14 October, 2017.

Roy, I., *Nanomedicine research at Delhi University in collaboration with UK and USA*, 2<sup>nd</sup> International Workshop on Nanomaterials in Health/Medicine, University of Central Lancashire, Preston, United Kingdom, 16 January, 2018.

Sharma, R.K., *Celebrating Earth Day: A step towards Nurturing Nature*, School of Engineering, G. D. Goenka University (GDGU), Gurgaon and National Environment Science Academy (NESA), 28 April, 2017.

Sharma, R.K., *Making Green Chemistry an essential component of Chemical Education in India*, 21<sup>st</sup> Annual Green Chemistry & Engineering Conference (GC&E), Reston, Virginia, U. S. A., 13-15 June, 2017.

Sharma, R.K., *Green Chemistry Network Centre accelerating innovations in India through Research and Educational Initiatives in Green Chemistry*, 8th International Conference on Green and Sustainable Chemistry (GSC8 2017), Monash University, Melbourne, Australia, 23-26 July, 2017.

Sharma, R.K., National Symposium on Research Projects: Proposal and Grants, Sarvajanic Education Society, Shree Ram Institute of Computer Education and Applied Science, Surat and M. T. B. College Athwalines, Surat (Gujrat), 15 September, 2017.

Sharma, R.K., Green Chemistry and Environmental Health (GCEH-2017), Department of Chemistry, Marwar Business School, Gorakhpur, 25-26 September, 2017.

Sharma, R.K., *Advancing Green Chemistry: Building a Sustainable Tomorrow*, "12. Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College", 3-4, October 2017.

Sharma, R.K., *Role of Green Chemistry Network Centre in converting waste to wealth through Green Chemistry*, Global Trends in Pure and Applied Chemical Sciences, SRM University, Delhi-NCR Ghaziabad, India, 8-9 December, 2017.

Sharma, R.K., *Sustainable Initiatives in Water Management*, Royal Society of Chemistry, North India Section, Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Department of Chemistry, Manav Rachna University, Faridabad (INDIA), 6 March, 2018.

Sharma, R.K., *Advances in Chemical Science and Allied Fields of Science, Health, Education and Environment*, Career College, Govindpura BHEL, Bhopal, 8-10 March 2018.

Sharma, R.K., *Edge enriched graphene nanoribbons: Strategies to boost the performance in supercapacitive charge storage and delivery*, International Conference on nanomaterials: initiatives and Applications, Jiwaji University, Gwalior, 9-11 March, 2018.

Sharma, R.K., *Fabrication of magnetically retrievable metal nanocatalysts for organic transformations*, 255th ACS National Meeting and Exposition, New Orleans, U.S.A., 18-22 March, 2018.

Sharma, S.K., *Biocatalysts: Modern Tools of Organic Synthesis*, Refresher Course in Chemistry, IIT-ISM Dhanbad, 14 June, 2017.

Sharma, S.K., *Chemo-enzymatic Synthesis of Biocompatible Polymeric and Dendritic Nano-architectures for Biomedical Applications*, Refresher Course in Chemistry, IIT-ISM Dhanbad, 14 June, 2017.

Sharma, S.K., *Kinase Inhibitors: Promising candidates for cancer control*, 8<sup>th</sup> Conference of Haridwar ISCA Chapter, Nainital, 14-15 October, 2017.

Sharma, S.K., *Carbohydrate Based Architectures for Biomedical Applications*, Symposium on "Emerging Chemistry and Biology of Carbohydrates", CARBO-XXXII, IIT Kharagpur, 18-20 December 2017.

Sharma, S.K., *Fabrication of nanostructures through self-assembly of non-ionic amphiphiles for biomedical applications*, 4<sup>th</sup> International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January 2018.

Sharma, S.K., *Self-assembly of non-ionic amphiphiles for biomedical applications*, International Conference on Nanomaterials: Initiatives and Applications, Jiwaji University, Gwalior, 9-11 March, 2018.

Sharma, R.K., *Sustainable Pathways to Metals Contamination*, Eastern Analytical Symposium and Exhibition, New Jersey, U.S.A., 13-15<sup>th</sup> November, 2017.

Thirumal, M., *Microwave dielectrics: Understanding the complexities in Perovskites*, 8<sup>th</sup> conference of Haridwar Chapter of The Indian Science Congress Association, Nainital, 14-15 October, 2017.

Venkatesu, P., *Ionic liquids as Biocompatible Co-solvents for the Stability of Biomolecules*, 19th international of pure & applied biophysics (19<sup>th</sup> IUPAB congress) and 11th EBSA congress, Edinburgh, U. K., 16-20 July, 2017.

Venkatesu, P., National Conference on Innovative perspectives of Chemistry in environment, Pharmacy and Technology (CEPT-2017) and National Convention of Chemistry Teachers (NCCT-2017), Department of Chemistry, Pragati Engineering College, Kakinad, Andhra Pradesh, India, 6-8 October, 2017.

Venkatesu, P., 12<sup>th</sup> National conference on organics, metallorganics and thermodynamics (NCOMT – 2017), Department of Chemistry, Guru Jambheshwar University of Science & Technology, Hisar, India, 17-18 November, 2017.

Venkatesu, P., *Ammonium ionic liquids as biocompatible co-solvents for the structure and stability of biomolecules*, 3<sup>rd</sup> International conference on global trends in pure and applied chemical sciences, SRM University, Ghaziabad, India, 8-9 December, 2017.

#### Oral Presentations

Chowdhury, N.R., and Kant, R., *Theory for Intensity Modulated Photocurrent Spectroscopy on Rough and Finite Fractal Dye Sensitized Solar Cell*, Dynamic Day-XII, Ashoka University, Sonapat, Haryana, 25 November, 2017.

Gupta. S., and Milton, M.D, *Novel AIEE active twisted pyridopyrazines: Synthesis, photophysical properties and their applications as probes for Hg<sup>2+</sup> detection in aqueous media*, International Conference on Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian Institute of Petroleum, Dehradun, India, 15-17 March, 2018.

Kaushik, R. and Hussain, F., *Synthesis and Characterization of Inorganic-Organic Hybrids of Transition Metal Substituted Arsenotungstates*, 24<sup>th</sup> ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Kumar, M., Srivastav, S., and Kant, R., *Theory for EIS of Quasi reversible Charge Transfer in Presence of Uncompensated Solution Resistance*, Second International Conference on Electrochemical Science and Technology, Indian Institute of Science, Bengaluru, 10-12 August, 2017.

Sachdeva, T., and Milton, M.D., *Novel Phenothiazine-Based Non-Planar D- $\pi$ -A Hydrazones: Aggregation induced emission, Mechanofluorochromic and Acidochromic Behavior*, International Conference on Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian Institute of Petroleum, Dehradun, India, 15-17 March, 2018.

Sharma, S., and Biswas, P., *Hydration water dynamics around a protein surface: a first passage time approach*, Dynamics Day XII, Ashoka University, Sonipat, Haryana, 25 November, 2017.

Singh, A., and Kukreti, S., *Recognition and destabilization of Parallel G - quadruplex present in Promoter location of Human MYH7gene*, Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018), Department of Chemistry, University of Delhi, Delhi, 12-14 January, 2018.

#### Poster Presentations

Atri, S., Rawat, P., Uma, S., Nagarajan, R., *Mechanochemical transformation of ZnO to defect loaded ZnO*, Advances in Analytical Sciences (ICAAS-2018), CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Chowdhury, N.R., and Kant, R., *Intensity Modulated Photocurrent Spectroscopy at Illuminated Rough Semiconductor Electrodes*, ACS on Campus India Roadshow, University of Delhi, 5 February, 2018.

Chugh, H., Tomar, V., Kumar, P., Joshi, H., Chandra, R., *Exploration of the Interaction between the Anti-cancer Drug Noscapine-Hcl and Human Serum*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Das, V., and Hussain, F., *Synthesis and characterization of heterometallic 3d-4f Polyoxometalates containing Silicotungstates*, 24<sup>th</sup> ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Das, V., Khan I., and Hussain, F., *Self-assembled heterometallic {Co<sub>7</sub>-Ho<sub>1</sub>} nanocluster: A 3d-4f trimeric Keggin-type silicotungstate [HoCo<sub>7</sub>Si<sub>3</sub>W<sub>29</sub>O<sub>108</sub>(OH)<sub>5</sub>(H<sub>2</sub>O)<sub>4</sub>]<sub>18</sub>– and its catalytic applications*, National Conference on “Chemical Sciences: Opportunities & Challenges, Department of Chemistry, St. Stephen’s College, University of Delhi, 19-20 March, 2018.

Goswami, N., and Kant, R., *Theory for Electrochemical Impedance Response of Solid State Electrolyte*, 1<sup>st</sup>World Conference on Solid Electrolytes for Advanced Applications: Garnet & Competitors, Department of Physics, Pondicherry University, India, 6-9 September, 2017.

Goswami, N., and Kant, R., *Theory for Electrochemical Impedance Response of Solid State Electrolyte*, ACS on Campus India Roadshow, University of Delhi, Delhi, 5 February, 2018.

Gupta, P., and Nagarajan, R., *Fine tuning bifunctional properties of  $Y_{0.5}Gd_{0.5}BO_3$  by doping with  $Ce^{3+}$  and codoping with  $Li^+$ ,  $Ca^{2+}$  and  $Al^{3+}$  following an epoxide mediated gel approach*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian Institute of Petroleum, Dehradun, Uttarakhand, 15-17 March, 2018. (Awarded Best Poster Award).

Hemlata and Kaur-Ghumaan, S., *Monothiolate versus Dithiolate-Bridged {2Fe-2S} Model Complexes with a Diphosphine Ligan*, 2<sup>nd</sup> International Conference on Electrochemical Science and Technology (ICONEST-2017), IISc-Bangalore, 10-12 August, 2017.

Hemlata, Natarajan M., and Kaur-Ghumaan, S., *Mononuclear Iron Carbonyl Complex  $[Fe(\eta\text{-}bdt)(CO)_2(PTA)_2]$  with bulky phosphine ligand: A model for the  $[FeFe]$  hydrogenase enzyme active site with an inverted redox potential*, Modern Trends in Inorganic Chemistry (MTIC- XVII), CSIR-NCL, IISER – Pune, 11-14 December, 2017.

Kaim, V., Natarajan, M., and Kaur-Ghumaan, S., *Electrochemical Proton Reduction Catalyzed by Thiolate-Bridged Manganese Carbonyl Complexes*, National Conference on Chemical Sciences: Opportunities & Challenges, St. Stephen's College, University of Delhi, 19-20 March, 2018.

Kaim, V., Natarajan M., and Kaur-Ghumaan, S., *Electrocatalytic Production of Hydrogen by Manganese Imidazole Complexes: A Renewable and Sustainable Source of Energy*, Green Chemistry New Zealand, University of Auckland, New Zealand, 8-9 December, 2017.

Kaur, J., and Kant, R., *Theory for Potential of Zero Charge of Self Assembled Monolayer over Curved Metal Electrode*, 54<sup>th</sup> Annual Convention of Chemists (ICS-2017), Department of Chemistry, Uka Tarsadia University, Bardoli, Surat, Gujrat, 23-25 December, 2017. (Prof. S. T. Nandibewoor Award for Best Poster).

Kaur, J., and Kant, R., *Theory for Potential of Zero Charge of Self Assembled Monolayer over Curved Metal Electrode*, ACS on Campus India Roadshow, University of Delhi, 5 February, 2018. (\*Awarded Best Poster Award)

Kaur, N., and Chandra, R., *Biomarker Discovery in Drug Development with an emphasis on LiverToxicogenomics: Bench to Bedside Paradigms Employing Zebrafish*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Kaushik, R., Parbhakarand, S., Hussain, F., *Synthesis and Characterization of lanthanoid substituted transition metal containing inorganic-organic hybrid polyoxometalates*, Innovations in Sciences in Emerging Challenges in Health and Environment (NSHE-2018), Department of Chemistry, Daulat Ram College, University of Delhi, 19-20 March, 2018.

Khan, I., and Hussain, F., *Syntheses, crystal structure and solid state properties of lanthanoid containing nanocluster:  $[(Ln_2SiW_{10}O_{38})_4(W_3O_8)(OH)_4(H_2O)_2]_{26}$* , 24<sup>th</sup> ISCB International Conference on “Frontier Research in Chemistry & Biology Interface, Department of Chemistry, Manipal University Jaipur, Rajasthan, 11-13 January, 2018.

Komal, Sonia, Kukreti, S., Kaushik, M., *Green synthesis of silver nanoparticles using Epipremnum aureum leaf extract and its interaction studies with Calf Thymus DNA*, Trends in Nanobiotechnology (Biotikos), Teri University, Delhi, 28-29 September, 2017.

Komal, Sonia, Kukreti, S., Kaushik, M., *Physicochemical studies of silver nanoparticles prepared using Epipremnum aureum leaves extract with Calf Thymus DNA*, Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi, 10-11 October, 2017.

Komal, Sonia, Kukreti, S., Kaushik, M., *An environmentally benign approach to synthesize Silver nanoparticles using Epipremnum aureum leaf extract and its interaction studies with Calf Thymus DNA*, One-day Indo-Hungarian symposium on Recent Advances in Chemistry and Biology, Miranda House, Department of Chemistry, University of Delhi, Delhi, 11 December 2017.

Kumar, A., Baruah, A., and Biswas, P., *Role of Local and Nonlocal Interactions and Site directed point mutations and Folding and Misfolding of Globular Proteins*, Breaking Barriers through Bioinformatics and Computational Biology, IIT Delhi, Delhi, 31 July - 1 August, 2017.

Kumar, A., Baruah A., and Biswas, P., *Role of Local and Nonlocal Interactions and Site directed point mutations in Folding and Misfolding of Globular Proteins*, ACS on Campus, University of Delhi, Delhi, 5 February, 2018.

Kumar, M., Srivastav, S., Kant, R., *EIS with DC bias at Rough Electrodes: Quasireversibility and Uncompensated Resistance*, Prof. R. C. Paul National Symposium, Panjab University, Chandigarh, 22-23 February, 2018. (\*Awarded Best Poster Award)

Kumar, M., Tripathi, V.K., and Nagarajan, R., *Emergence of defect fluorite structure in nanosized Thoria doping with some divalent transition metal ions*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Neha, Kant, R., *Influence of Excluded Volume Interactions (EVI) on Dynamics of Dendrimer and Sierpinski Fractal Polymers in Random Flow*, 22<sup>nd</sup> CRSI National Symposium in Chemistry and 12<sup>th</sup> CRSI-RSC Symposium in Chemistry, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (Chhattisgarh), 1-4 February, 2018.

Pokhriyal, M., Malik, V., Uma, S., *Synthesis and characterization of multifunctional mineral beyerite  $\text{CaBi}_2\text{O}_2(\text{CO}_3)_2$* , 24th Congress & General Assembly of the International Union of Crystallography 2017, Hyderabad, 21- 28 August, 2017.

Rashmi, and Sharma, S.K., *Synthesis of Non-ionic Bolamphiphile and Study of its Self-assembly and Transport Behaviors for Drug Delivery Application Glucitol based self-assembling non-ionic amphiphilic architectures for encapsulation of non-polar drugs*, 4<sup>th</sup> International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January, 2018.

Rathee, G., Tomar, R., Tomar V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Saksena, K., Shrivastava. A., and Kant, R., *Chiral analysis of ascorbic acid in bovine serum using ultrathin molecular imprinted polyaniline/graphite electrode*, Emerging Trends in Drugs Development and Natural Products, Department of Chemistry, Delhi University, Delhi, 12-14 January, 2018.

Sethi, A., Uma, S., *Novel  $\text{Sb}^{5+}$  containing oxide possessing unique structural features*, 24<sup>th</sup> Congress & General Assembly of the International Union of Crystallography 2017, Hyderabad, 21- 28 August, 2017.

Shalu, Rawat, P., Uma, S., and Nagarajan, R., *Mechanochemical transformation of  $\text{ZnO}_2$  to highly defective ZnO*, International conference on advances in analytical sciences, ICAAS-2018, CSIR-Indian institute of petroleum, Dehradun, Uttarakhand, 15-17 March, 2018.

Sharma, R.K., *Curcumin loaded silver Nanoparticles: An effective anti HIV therapeutics?*, Department of Medicine Research day, University of Buffalo, Buffalo. USA, 24 June 2017.

Sharma, S., and Biswas, P., *Hydration Water around the Protein Surface*, ACS on Campus, University of Delhi, Delhi, 5 February, 2018. (\*Awarded Best Poster Award)

Sharma, S., and Biswas, P., *Hydration Water around the Protein Surface*, Breaking Barriers through Bioinformatics and Computational Biology, IIT Delhi, Delhi, 31 July - 1 August, 2017.

Singh, A.K., and Sharma, S.K., *Aggregation Behaviors of Non-Ionic Twinned Amphiphiles and Their Application as Biomedical Nanocarriers*, 4<sup>th</sup> International Symposium on "Advances in Sustainable Polymers", IIT Guwahati, 8-11 January, 2018.

Singh, M., Solel, E., Keinan, E., O. Reany, Chauhan, S.M.S., Chandra, R., *Aza-Bambusurils En Route to Anion Transporters*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Singh, N., Tomar, R., Tomar, V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Suzuki-Miyaura Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Singh, N., Tomar, V., and Chandra, R., *Ce-Bearing Solid Base Catalyst: Synthesis, Characterization and its Application in Suzuki-Miyaura Reaction*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Singh, P., and Nath, M., *Synthesis and spectroscopic properties of  $\beta, \beta'$ -fused pyridoporphyrins*, 40<sup>th</sup> ISCB International Conference on Frontier Research in Chemistry & Biology Interface (ISCBC-2018), Manipal University, Jaipur India, 11-13 January, 2018.

Sonia, Komal, Kukreti, S., Kaushik, M., *Unravelling the binding of Calf Thymus DNA with metal nanoparticles: A comparative study of chitosan and citrate stabilized gold nanoparticles*, Trends in Nanobiotechnology (Biotikos), Teri University, Delhi, 28-29 September, 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *Physicochemical study of gold nanoparticles synthesized through Green as well as Chemical method: Interaction with Calf Thymus DNA and the role of stabilizing agent*, Recent Advances In Chemical Sciences Towards Green & Sustainable Environment, Aditi Mahavidyalaya, University of Delhi, Delhi, 10-11 October, 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *A Physicochemical approach to study the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA: A physicochemical approach*, Indo-Hungarian symposium on Recent Advances in Chemistry and Biology, Miranda House, Department of Chemistry, University of Delhi, Delhi, 11 December 2017.

Sonia, Komal, Kukreti, S., Kaushik, M., *A Physicochemical approach to study and compare the genotoxic potential of chitosan and citrate reduced gold nanoparticles towards calf thymus DNA*, International Conference on "Emerging Trends in Drugs Development and Natural-Products, Department of Chemistry, University of Delhi, Delhi, 12-14 January, 2018.

Sood, D., Tomar V., and Chandra, R., *Application of chitosan coated magnetic nanoparticles as an efficient drug delivery system for Noscapine*, International Conference on Emerging Trends in Drugs Development And Natural-Products (ETDDNP-2018), University of Delhi, Delhi, 12-14 January, 2018.

Tekuri, Nath, M., *Synthesis and photophysical properties of  $\beta,\beta'$ -fused benzo[f]quinoxalinoporphyrins*, 40<sup>th</sup> ISCB International Conference on Frontier Research in Chemistry & Biology Interface (ISCBC-2018), Manipal University, Jaipur, India, 11-13 January, 2018.

Tomar, R., Tomar V., and Chandra, R., *Synthesis and Characterization of Ce-Bearing Solid Base Catalyst and its Application in Henry Reaction*, Indo-Hungarian Symposium on Recent Advantages in Chemistry and Biology, Miranda House, University of Delhi, 11 December 2017.

Tomar, V., Chandra R., and Prakash, S., *Metabolism of Anticancer Agent Noscapine and Analogs*, International Conference, 60<sup>th</sup> Anniversary of Artificial Cells in conjugation with XVI ISBS Int. Symposium Blood Substitutes & Oxygen Therapeutics V ISNS Nanomedicine Conference, Montreal, Quebec, Canada, 13-15 November 2017.

Tripathi, V.K., and Nagarajan, R., *Solid solution synthesis of  $Gd_{1-x}Dy_xCrO_3$ : Magnetic, optical and catalytic properties*, 10<sup>th</sup> National Conference on solid state chemistry and allied areas, ISCAS-2017, Delhi Technological University, Delhi, 01-03 July, 2017.

#### **Other Inter-Institutional Collaboration**

Prof. S. K. Sharma: Collaboration with Prof. Rainer Haag, Freie University Berlin, Germany.

Prof. S. K. Sharma: Collaboration with Prof. K. Parang, Chapman University, CA, USA.

Prof. S. K. Sharma: Collaboration with Prof. H. K. Gautam, CSIR-IGIB, Delhi (Student's co-supervisor)

Prof. S. K. Sharma: Collaboration with Dr. Praveen Vats, DRDO-DIPAS, Delhi (Student's co-supervisor)

Prof. M. Thirumal: Collaboration with IIT, Delhi with Prof. A. K. Ganguli. (Student's co-supervisor)

Prof. M. Thirumal: Collaboration with INMAS, Delhi with Dr. Anupama Datta (Student's co-supervisor)

#### **Students Under Exchange Programme**

Prof. S. K. Sharma's student, Ms. Rashmi visited Free Universitat Berlin, Germany.

**Number of M.Phil./Ph.D. Degrees Awarded:** Ph.D. – 53;

**Faculty Strength:** 36.

#### **Other Significant Information**

The Department at present has 600 M.Sc. students and 300 Ph.D. scholars.

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## ENVIRONMENTAL STUDIES

### Major Activities and Achievements

The Department is engaged in teaching and research in the field of environmental studies. Each year, we admit 54 students from varied academic backgrounds straddling various disciplines to two post-graduate courses (M.Sc.- 31 & M.A.- 23) through an All India Entrance Test. Our faculty is engaged in frontline areas of research across basic ecological, environmental and applied environmental sciences. We also undertake research in socially relevant areas related to national development and contribute to resolution of issues arising from environmental degradation. Faculty members regularly publish their research findings in top-tier peer-reviewed journals viz., Nature, Science, and other high-impact journals. We have also secured extramural research grants, which are used in developing state-of-the-art laboratories and for training research scholars. Our faculty members are recognized world leaders in their fields. They widely collaborate with international experts and are regularly invited to share their findings through keynote/plenary lectures at National and International forums.

### Honours/Distinctions

Prof. Maharaj K. Pandit, Hrdy Fellow, Radcliffe Institute for Advanced Study, Harvard University in the area of Life Sciences.

Prof. Maharaj K. Pandit, Fellow of Indian National Science Academy (INSA), New Delhi, India.

Prof. Inderjit Singh, Distinguished Ecologist Award by Ecological Society of America.

Prof. P. PardhaSaradhi, Group Leader, NanoApp Team that won 2017 Tech Planter in India Competition (organised by Leave a Nest Co. Ltd., Japan).

### Publications

Bageshwar, U.K., Srivastava, M., Pardha-Saradhi, P., Paul, S., Gothandapani, S., Jaat, R.S., Shankar, P., Yadav, R., Biswas, D.R., Kumar, P.A., Pardaria, J.C., Mandal, P.K., Annapurna, K. and Das, H.K. (2017). An environment friendly engineered *Azotobacter* can replace substantial amount of urea fertilizer and yet sustain same wheat yield. *Applied and Environmental Microbiology*, 83, e00590-17. doi:10.1128/AEM.00590-17

Balyan, P., Ghosh, C., Das, S. and Banerjee, B.D. (2017). Spatial Variation of Biogenic Aerosols at Different Land Use Configurations in Urban Delhi. *International Journal of Applied Environmental Sciences*, 12(5), 731-744.

Balyan, P., Ghosh, C., Sharma, A.K., Banerjee, B.D. (2018). Health effects of air pollution among residents of Delhi: a systematic review. *International Journal of Health Sci Res.* 8(1), 273-282.

Becerra, P., Callaway, R., Catford, J., Inderjit, Andonian, K., Luce, M., Aschehoug, E. and Montesinos, D. (2018). Inhibitory effects of *Eucalyptus globulus* on understory plant growth and species richness are greater in non-native regions. *Global Ecology & Biogeography*, 27, 68-76.

Berger, A., Brouquisse, R., Pathak, P.K., Hichri, I., Inderjit, Bhatia, S., Boscari, A., Igamberdiev, A.U. & Gupta, J.K. (2018). Pathways of nitric oxide metabolism and operation of phytooglobins in legume nodules: missing links and future directions. *Plant Cell & Environment*, 41, 2057-2068.

Bhatt, J. P., Manish, K., Mehta, R. and Pandit, M.K. (2017). Assessing Potential Conservation and Restoration Areas of Freshwater Fish Fauna in the Indian River Basins. *Environmental Management*, 57, 1098-1111.

Bhatt, J. P. and Pandit, M.K. (2017). Endangered Golden mahseer *Tor putitora* Hamilton: a review of natural history. *Reviews in Fish Biology and Fisheries*, 26, 25-38.

Chen, J., Huang, M., Cao, F., Pardha-Saradhi, P. and Zou, Y. (2017). Urea application promotes amino acid metabolism and membrane lipid peroxidation in *Azolla*. *PLoS ONE*, 12, e0185230. doi.org/10.1371/journal.pone.0185230

Garg, A., Sharma, P. and Ghosh, C. (2018). Time series analysis of particulate matter (PM10) in Delhi, *International Journal of Latest Engineering and Management Research*, 3(02), 04-10.

Garg, S. and Biju, S. D. (2017). Description of four new species of Burrowing Frogs in the *Fejervaryarufescens* complex (Dicroglossidae) with notes on morphological affinities of *Fejervarya* species in the Western Ghats. *Zootaxa* 4277, (4), 451-490

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- Garg, S., Suyesh, R., Sandeep, S. and Biju, S.D. (2017). Seven new species of Night Frogs (Anura, Nyctibatrachidae) from the Western Ghats Biodiversity Hotspot of India, with remarkably high diversity of diminutive forms *Peer J*, 5, e3007.
- Goyal, N., Esler, K. and Sharma, G. P. (2018). What drives performance potential of *Lantana camara* L. (*sensulato*) in the invaded range? *Tropical Ecology*, 59(1): 57-68. [Covered by DST-NRF Centre of Excellence for Invasion Biology, South Africa].
- Goyal, N., Shah, K., Sharma, G.P. (2018). Does intrinsic light heterogeneity in *Ricinus communis* L. monospecific thickets drive species' population dynamics? *Environmental Monitoring and Assessment*, 190(7), 410.
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- Inderjit, Pergl, J., van Kleunen, M., Hejda, M., Babu, C.R., Majumdar, S., Singh, P., Singh, S. P., Salamma, S., Rao, B.R.P. and Pyšek, P. (2018). Naturalized alien flora of the Indian states: biogeographic patterns, taxonomic structure and drivers of species richness. *Biological Invasions*, 20, 1625–1638.
- Kauffman, K.M., Hussain, F.A., Yang, J., Arevalo, P., Brown, J.M., Chang, W. K., Vaninsberghe, J.E., Sharma, R.S., Cutler, M.B., Kelly, L., and Polz, M.F. (2018). A major lineage of no-tailed dsDNA viruses as unrecognized killers of marine bacteria. *Nature*, 554, 118–122.
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- Manish, K., Pandit, M.K., Telwala, Y., Nautiyal, D.C., Koh, L. P. and Tiwari, S. (2017). Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *J. Plant Research*, 130(5), 829-844.
- Martinez-Garcia, L., De Deyn, G., Pugnaire, F., Kothamasi, D., van der Heijden, M.G.A. (2017). Symbiotic soil fungi enhance ecosystem resilience to climate change. *Global Change Biology*, 23, 5228-5236.
- Mishra, R., Das, M. K., Singh, S., Sharma, R. S., and Mishra, V. (2017). Articulin-D induces apoptosis via activation of caspase-8 in acute T-cell leukemia cell line. *Molecular and Cellular Biochemistry*, 426, 87–99.
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- Mishra, R., Yadav, A., Sharma, S., Singh, S., Sharma, R.S., Malhotra, S., Karmakar, S., Sardesai, M.M., and Mishra, V. (2017). Purification and characterization of a lectin isoform of ribosome inactivating protein from *Viscum articulatum* parasitic on *Grewia tilifolia*. *Phytomorphology*, 67(3&4), 67-84.
- Pandit, M. K. (2017). *Life in the Himalaya: An Ecosystem Risk Assessment*. USA: Harvard University Press.
- Pardha-Saradhi, P., Shabnam N., Sharmila P., Ganguli, A. K. and Kim H. (2018). Differential sensitivity of light-harnessing photosynthetic events in wheat and sunflower to exogenously applied ionic and nanoparticulate silver. *Chemosphere*, 194, 340-351.
- Prasad, R., Yamal, G. and Pardha-Saradhi, P. (2017). Impact of storage on chlorophyll *a* fluorescence kinetics of microalgae immobilized on cotton fabric. *Phytomorphology*, 67, 59-65.
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P., Groom, Q. J., Henderson, L., Inderjit, Kupriyanov, A., Masciadri, S., Maurel, N., Meerman, J., Morozova, O., Moser, D., Nickrent, D., Nowak, P.M., Pagad, S., Patzelt, A., Pelsner, P.B., Seebens, H., Shu, W., Thomas, J., Velayos, M., Weber, E., Wieringa, J.J. and van Kleunen, M. (2017). Naturalized and invasive alien flora of the world: species diversity, taxonomic and phylogenetic patterns, geographic distribution and global hotspots of plant invasion. *Preselia*, 89, 203–274.

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Saxena, P. and Ghosh, C. (2017). Role of Biogenic VOCs in Atmosphere for the Production of Tropospheric Ozone in Delhi, India. *International Journal of Scientific and Engineering Trends and Technology (IJSET)*, 8(10), 748-755.

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Shabnam, N., Sharmila, P., Govindjee, Kim, H. and Pardha-Saradhi, P. (2017). Differential response of floating and submerged leaves of longleaf pondweed to silver ions. *Frontiers in Plant Science*, 8, 1052.

Shabnam, N., Sharmila, P. and Pardha-Saradhi, P. (2017). Impact of ionic and nanoparticle speciation states of silver on light harnessing photosynthetic events in *Spirodelapolyrhiza*. *International Journal of Phytoremediation*, 19, 80-86.

Sharma, B. B., Banerjee, B. D., and Urfi, A.J. (2017). Indian zoos can contribute towards ornithological research in novel Ways. *Current Science*. 113/6 (25 September 2017), 1013.

Sharma, B. B., Banerjee, B. D. and Urfi, A.J. (2017). A preliminary study of cross-amplified microsatellite loci using molted feathers from a near-threatened Painted Stork (*Mycteria leucocephala*) population of north India as a DNA source. *BMC Res Notes*. Doi: 10.1186/s13104-017-2932-y

Sharmila, P., Kumari, P.K., Singh, K., Prasad, N.V.S.R.K. and Pardha-Saradhi P. (2017). Cadmium toxicity-induced proline accumulation is coupled to iron depletion. *Protoplasma*, 254, 763-770

Singh, G., Deb, M. and Ghosh, C. (2018). Delimiting the boundary of Delhi for effective urban political ecology investigations. *Journal of Innovation for Inclusive Development*, 3(1), 31-39.

Singh, S., Mishra, R., Sharma, R. S., Mishra, V. (2017). Phenol remediation by peroxidase from an invasive mesquite: Turning an environmental wound into wisdom. *Journal of Hazardous Materials*, 334, 201-211.

Singh, S.P., Inderjit, Singh, J. S., Majumdar, S., Moyano, J., Nuñez, M.A. and Richardson, D. (2018). Insights on the persistence of pines (*Pinus* species) in the late Cretaceous and their increasing dominance in the Anthropocene. *Ecology & Evolution*, <https://doi.org/10.1002/ece3.4499>

Sunny, A., Diwakar, S. and Sharma, G. P. (2018). Interactions between non-native plants and native insects: research gaps. *Current Science*. 114(4), 728-729

Tomar, M., Singh, A. P. and Diwakar, S. (2017). Bioacoustics or pitfall traps: Comparison of a modern and a traditional method to estimate Ensifera richness. *Current Science*, 113(4), 561.

Urfi, A.J. (2017). Foraging Ecology of Aquatic Birds: Implications for Conservation Intervention and Suggestions for Future Research. In: *Wetland Science, Perspectives from South Asia*. (Eds) Prusty, B. A.K, Chandra, R & P. A. Azeez. (pp. 129-141), Springer (India). DOI 10.1007/978-81-322-3715-0\_7.

Urfi, A.J. (2017). Values Associated with village tanks and some instances of enviro-legal activism for Wetland Conservation. In Prusty, B. A. K, Chandra, R. and Azeez, P. A. (Eds.). *Wetland Science, Perspectives from South Asia*. (Eds.), (pp. 563-573). Springer (India). Doi: 10.1007/978-81-322-3715-0\_29.

Zhang, F.L., Li, Q., Chen, F. X., Xu, H.Y., Inderjit and Wan, F. H. (2017). Arbuscular mycorrhizal fungi facilitate growth and competitive ability of an exotic species *Flaveria bidentis*. *Soil Biology & Biochemistry*, 115, 275-284.

## Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board:

Professor M.K. Pandit: Academic Editor -PLOS ONE; Member, Editorial Board - Research & Reports in Biology

Professor P. PardhaSaradhi, Academic Editor - PLoS ONE; Associate Editor - *Water-Energy Nexus*; Member Editorial Board - *Physiology and Molecular Biology of Plants*; Member Editorial Board – *Phytomorphology*

Professor Inderjit Singh, Associate Editor, Biological Invasions, Springer; AoB Plants, Oxford Press (2013 - present); Scientific Reports, Nature Publishing Group (2014 - present); NeoBiota, Pensoft Publishers (2014 - present); **Journal of Applied ecology**

### Research Projects

S. No.	Title /Description	Principal Investigator	Sponsoring organization	Duration	Total cost
1	Ecological Survey of KuriGongri HEP, Bhutan	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs. 5,40,000
2	Ecological Survey for Upper Indravati PSP, Odisha	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs. 4,80,000
3	Ecological Survey for Sita-Rama LIP, Telangana.	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	Feb. 2018 to April, 2018	Rs.4,80,000
4	Ecological Study for Odisha Thermal Power Project at Kamakhyanagar	Prof. Maharaj K. Pandit	WAPCOS Ltd., Gurugram	June, 2018 to July 2018	Rs.4,90,000
5	Biodiversity Studies for Pinnapuram Andhra Pradesh and Saundatii, Karnataka	Prof. Maharaj K. Pandit	R.S. Envirolonk Technologies PVT	Sept. 2018 to Nov. 2018	Rs.4,00,000
6	Inavasion ecology of <i>Prosopisjuliflora</i> in contexts of biodiversity and conservation	Prof. Inderjit Singh	Department of Biotechnology, Govt. of India	2015-2018	Rs.47,96,600
7	Advanced Training and Research in Plant Biosystematics	Prof. R.S. Sharma	Ministry of Environment, Forests & Climate Change, New Delhi	2015-2019	Rs. 48,00,000
8	Diversity in bacteria at nutrient stressed site: Role of bacteriophages	Prof. R.S. Sharma / Dr. Vandana Mishra	Department of Science and Technology, New Delhi	2015-2019	Rs. 27,00,000
9	Monitoring Indoor Air Pollution (IAP) in Delhi University Area and accessing its Human Health Impacts,	Dr. Chirashree Ghosh	Ministry of Earth Sciences (MoES), New Delhi	2016-2019	Rs. 86,70,500
10	Spatio-Temporal Epidemiology of Chronic Respiratory Illnesses in Urban Indian Settlements (STEPCRUISE)	Dr. Chirashree Ghosh	Ministry of Health and Family Affairs, Department of Health Research	2016-2019	Rs. 30,63,000
11	Impact of Environmental Bioaerosol Pollution on Human Health: A “case-control study” for Exacerbation of COPD in North Indian	Dr. Chirashree Ghosh	Ministry of Environment, Forests & Climate Change	2015-2018	Rs. 37,72,216

12	Population. Functional and Taxonomic Diversity Among Plant Growth Promoting Rhizobacteria .....Fly Ash Environment	Dr. Vandana Mishra	Department of Science and Technology, New Delhi	2014-2017	Rs.18,00,000/-
13	Insect herbivores on an invasive plant ( <i>Hyptis suaveolens</i> ): A case of host shift, ecological fitting or an evolutionary trap?	Dr. Gyan Prakash Sharma, Dr Swati Diwakar	Department of Science and Technology, New Delhi	05 years; 2015- ongoing	Rs. 26,00,000
14	“Traits that matter...Indian sub- continent”	Dr. Gyan Prakash Sharma	Department of Science and Technology, New Delhi	2013-2016	Rs. 20,70,000
15	“Wetas: search for the lesser known and elusive insects in India”	Dr. Swati Diwakar	National Geographic Conservation Trust	02 years; 2017- ongoing	US \$ 1500

### Seminars/Conference presentations

Arora, J., *Community dynamics of degraded Himalayan habitats*, National Conference on Environmental Challenges for ‘New India’, organised by Environment and Social Development Association (ESDA), Delhi in collaboration with Dr. Bhim Rao Ambedkar College, University of Delhi, CSIR-National Environmental Engineering Research Institute and National Environmental Science Academy, Delhi; 2 – 3 June 2018.

Balyan, P., Shankar, A., Yadav, A.K., Ghosh, C., Poster presentation, *Effect of Micro-environment on Bio-aerosol Count*, Rajasthan Science Congress Conference on Environmental Pollutants and Climate Change, Biotechnology center, Amity University, Jaipur, Rajasthan; 13 October 2017.

Diwakar, S., Plenary Lecture, *Katydid Country: Acoustic diversity of Katydid from North Eastern India*, International Conference in Zoological Sciences, Punjabi University, Patiala; (29th October 2017).

Garg, A., and Ghosh, C., *Assessment of Respirable Particulate Matter (PM<sub>2.5</sub>) in and Around Residential Area of University of Delhi*, National Workshop on Celebrating Earth Day: A Step Towards Nurturing Nature, organised by School of Engineering, GD Goenka University (GDGU), Gurgaon and National Environmental Science Academy (NESA), Delhi; 30 April 2017.

Garg, S., Sharma, R.S., Dume, L., and Mishra, V., *Phage Display based biosensors for detection of environmental pollutants*. International Conference on Nanobiotechnology, Jamia Millia Islamia, New Delhi; 05 – 06 February 2018.

Goyal, N., and Sharma, G.P., *Does variable ploidy level or architectural strategies boost invasive success of Lantana camara L. (sensulato) in contrasting light environments?*, 10<sup>th</sup> TCS Annual Meeting and Flow Cytometry Workshop on Applications of Flow Cytometry in Health and Disease, SreeChitraTirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, Kerala; 28 – 29 October 2017.

Goyal, N., and Sharma, G.P., Poster presentation, *Performance strategies of Lantana camara L. in contrasting light environments*, Workshop on Economic and Ecological Impacts of Invasive Alien Species, Indian Statistical Institute, Kolkata, India; 21 – 23 February 2018 (Award for Best Poster)

Inderjit, Delivered Keynote Lecture, established collaboration with the University of Kunming and Shenzhen Genome Institute China to work on the invasion and the management of *Ageratina adenophora* and *Mikania micrantha*; 19 – 24 March 2017.

Inderjit, Invited Lecture, Peer Group on Global Risk Assessment of *Prosopis juliflora*. Invited by European and Mediterranean Plant Protection Organization (EPPO) to prepare a pest risk analysis for two invasive plant species, *Prosopis juliflora* and *Hakea sericea*, Paris, France; 15 – 19 May 2017.

Inderjit, Plenary Lecture, *Allelopathy: studies on the ecology of plant chemistry*, 8<sup>th</sup> World Allelopathy Congress, Marseille, France; 24 – 28 July 2017.

Inderjit, Invited Lecture, *Causes of biological invasions*, Natural Resources, University of Alberta, Canada; 11 January 2018.

Kaushik, R., Poster Presentation, *Rhizosphere bacterial microbiome and plant invasion*, SCCS (Student Conference on Conservation Science), University of Cambridge, UK; 27- 29 March 2018.

Manish, K., *How to strengthen and complement the loss and damage mechanism provided under the Paris Agreement: A case study of Madagascar*, South and South-east Asian Youth Seminar on Climate Change, Ministry of Foreign Affairs, Taipei, Taiwan; 4 – 5 July 2017.

Manish, K., Bhatt J.P., and Pandit, M.K., *Varying patterns of species richness along elevational gradients in terrestrial and aquatic ecosystems of the Himalaya*. International Biogeography Society – India Meeting, Indian Institute of Science (IISC), Bengaluru, India; 26-28 September 2017.

Manish, K. and Pandit, M.K., *Testing for phylogenetic control in plant species response to climate change in the Himalaya*. XIX Commonwealth Forestry Conference, Forest Research Institute, Dehradun, India; 3 – 7 April 2017.

Mishra, R., Yadav, A., Sharma, R.S., Mishra, V., *Purification of a ribosome inactivating lectin from *Viscum articulatum*: a protein with multiple enzymatic activities*. World Biotechnology Congress, Jawaharlal Nehru University, New Delhi, 20-22 February 2017.

Mishra, V., *Bioremediation Practices for Sustainable Dye Industry: An Environmental Perspective*, India-UK Workshop on Knowledge transfer on the sustainability of innovative wastewater treatment technologies to India, Kongunadu Arts and Science College, Coimbatore, Tamil Nadu, India; 03 – 04 April 2018.

Mishra, V., *Microbe-mediated Dye Detoxification: Current status, challenges, and research opportunities*, International Workshop on Materials for Energy, Environment and Biological Applications, PG & Research Department of Biotechnology Kongunadu Arts and Science College; 5 April 2018.

PardhaSaradhi, P., Invited Lecture and deliberations on possible transfer of technology from lab to industry, *Nanomaterial impregnated fabrics*, Super Factory Meet-up Session, National Design Centre, Singapore; 30 July 2017.

PardhaSaradhi, P., Invited Lecture, *Autotrophs – Key for sustainable wetlands*, 13<sup>th</sup> International Conference on Sustainable Water Environment, Seoul, Korea; 16 – 18 Aug 2017.

PardhaSaradhi, P., Invited Lecture, *Can we design an ideal plant system to counter global climate change?*, National Conference on ‘Challenges and Strategies to Improve Crop Productivity in Changing Environment: An Integrated Approach’, Zakir Husain Delhi College; 12 January 2018.

PardhaSaradhi, P., Yamal, G., Sharmila, P., Shabnam, N., Kim, H. and Rao, K.S., Invited Lecture, *Fabrication of solar radiation powered AgNPs impregnated antimicrobial fabrics for healthcare*, Tech Plan Demo Day, Singapore IMDA PIXEL Labs, Singapore; 29 July 2017.

Shabnam, N., Sharmila, P., Kim, H. and PardhaSaradhi, P., Invited Lecture, *Light harvesting machinery of aquatic macrophytes generates nanoparticles to counter toxic heavy metal ions*, 13<sup>th</sup> International Conference on Sustainable Water Environment, Seoul, Korea; 16 – 18 Aug 2017.

Tiwary, C., and Diwakar, S., *Katydid country: Tettigoniid community description of Gibbon Wildlife sanctuary, Assam*, XXVI International Bioacoustics Congress, Gurukul Kangri Vishwavidyalaya, Haridwar; 8 – 13 October 2017.

Tiwary, C., and Diwakar, S., *Katydid of North-East: The new frontiers of Bioacoustics*, ENCON January 4-6, 2017, New Delhi, India

Tomar, M., and Diwakar, S., *Acoustic diversity of field crickets from India (Infraorder: Gryllidea)*. 16<sup>th</sup> Invertebrate Sound and Vibration Meeting, Castle of Rauischholzhausen, Giessen, Germany ISV; 14 – 17 September 2017.

Tomar, M., and Diwakar, S., *Preliminary observations on Indian Wetland vocalizations*, ENCON January 4-6, 2017 New Delhi, India

Yadav, A.K., and Ghosh, C., Poster presentation, *A review on indoor air pollution and its associated health risk*. Rajasthan Science Congress Conference on Environmental Pollutants and Climate Change, Biotechnology center, Amity University, Jaipur, Rajasthan; 13 October 2017.

## **Other Inter-Institutional Collaborations**

### International:

Professor Maharaj K. Pandit: Collaborative projects on (i) “*Evolutionary Divergence of the Himalayan flora*” with Prof. Andrew Knoll, Harvard University, Prof. Oliver Jagoutz and Prof. Taylor Perron, Massachusetts Institute of Technology (MIT), USA and Prof. Lian Pin Koh, University of Adelaide, Australia (ii) “*Ecological Surveys & River Basin Studies*” with WAPCOS Limited, Gurgaon.

Prof. P. Pardha Saradhi: Collaborative project on “*Investigations on photosynthesis and nanobiotechnology*” with Prof. Govindjee, Professor Emeritus, Biochemistry, Biophysics and Plant Biology, UIUC, Urbana, IL61801-3707, USA and Prof. Reto J. Strasser, Bioenergetics Laboratory, University of Geneva, Switzerland.

#### National:

Dr. Chirashree Ghosh: Collaborative projects on (i) “*Monitoring Indoor Air Pollution (IAP) in Delhi University Area and assessing its Human Health Impacts*” with Prof. Arun Sharma, Department of Community Medicine, University College of Medical Sciences (UCMS), New Delhi. (ii) “*Spatio-Temporal Epidemiology of Chronic Respiratory Illnesses in Urban Indian Settlements (STEP CRUISE)*” with Prof. Arun Sharma, Department of Community Medicine, UCMS, New Delhi. (iii) “*Impact of Environmental Bioaerosol Pollution on Human health: A case control Study for Exacerbation of COPD in North Indian Population*” with Prof. B.D. Banerjee Department of Biochemistry, Prof. Arun Sharma, Department of Community Medicine, Prof. Shukla Das, Department of Microbiology and Prof. R. Awasthi, Department of Medicine, UCMS, New Delhi (iv) “*System of Air Quality weather Forecasting and Research (SAFAR)*”, Institutional collaboration with Indian Institute of Tropical Meteorology, Pune and Indian Meteorological Department, Mausam Bhawan, New Delhi, Programme Coordinator - Dr. Gurfan Beig.

#### **Students under Exchange Programme**

Sudipto Majumdar, a Ph.D. student visited University of Alberta, June 2018 for his research project

#### **Extension and Outreach Activities**

Ghosh, C., Resource Person, “Indoor air pollution and human health”, Indraprastha college for women in collaboration with Department of Environmental Studies, University of Delhi. 22 September 2017. Total attendees: 40

Ghosh, C., Resource Person, “Emerging pollution issues; it’s associated health risks in urban environment”, Miranda House in collaboration with Department of Environmental Studies, University of Delhi. 18 August 2017. Total attendees: 35

**Number of Ph.D. Degrees Awarded: 02**

**Faculty Strength: 11 (Permanent)**

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## **GEOLOGY**

#### **Major Activities and Achievements**

The Geology Department is committed to high standards of education and research in geosciences leading to development of well-trained academics and professional geologists. Many faculty members are associated with important research projects on paleobiology, paleoclimate, cryosphere, deformation and metamorphism, groundwater, sedimentology, magma mixing, tectonic geomorphology and paleopedology. Research findings have been published in many high impact journals and textbooks. Prof. Chattopadhyay has worked on developing a methodology for digital structural mapping and experimental modeling of complex fault patterns. Prof. Prasad and his students are credited for their excellent work on paleobiology and the discovery of first ichthyosaur from the Jurassic of India and mammal of Gondwanan lineage. Prof. Chakraborty deciphered the oldest tidal record of the world and also worked on process-based sedimentology, microbial mat induced sedimentary structure and initiated geochronological work. Prof. Pant worked on Himalayan cryosphere, crustal evolution and tectonic switching of the provenance in Himalayas.

#### **Honours/Distinctions**

Prof A. Chattopadhyay was elected Fellow, West Bengal Academy of Science and Technology (WAST), January 2018.

Prof. G.V.R. Prasad was invited as Visiting Scientist by Museum National d'Histoire Naturelle (MNHN), Paris from 01.06.2017 to 31.07.2017.

Prof. G.V.R. Prasad has been nominated as Chairman, Expert Committee for DST Swarnajayanti Fellowship in Earth & Atmospheric Sciences.

Prof. P. Srivastava received DFG-INSA Fellowship to visit University of Tübingen, Germany during June 2017.

Prof. N. C. Pant was elected Deputy Chief Officer, Geosciences Group of the Scientific Committee on Antarctic Research (SCAR) (2017-2020).

Prof. N. C. Pant was nominated as Expert - Earth Science program selection for Indian Antarctic Scientific Expedition (2017-2018).

Prof. N.C. Pant has been nominated as Member (Earth Sciences), DST Expert Committee on INSPIRE Fellowship.

Dr. Shashank Shekhar was awarded Bharat Gaurav Award 2017 for meritorious services, outstanding performance and remarkable role under the aegis of India International Friendship Society, New Delhi.

## Publications

Chattopadhyay, A., Chatterjee, A., Das, K., Sarkar, A. (2017). Neoproterozoic transpression and granite magmatism in the Gavilgarh-Tan Shear Zone, central India: Tectonic significance of U-Pb zircon and U-Th- total Pb monazite ages. *Journal of Asian Earth Sciences*, 147, 485-501.

Chakraborty, P. P., Saha, S. and Das, K. (2017). Record of continental to marine transition from the Mesoproterozoic Ampani basin, Central India: An exercise of process-based sedimentology in a structurally deformed basin, *Journal Asian Earth Science*, 143, 122-140.

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### Research Projects

Prof. N.C. Pant: DST-SERB, Completed June, 2017, "Finger printing of glacial melt water in the Ganga basin- Implications for modeling of Hydrological cycle in the Himalayan river system". Rs. 25,02,680.

Prof. N.C. Pant: MOES, 2017-2020, "A 100 Ka Glaciations-deglaciation history of Ladakh: its comparison with Sutluj valley and signatures in the alluvial plains of NW India". Rs. 84,82,000.

Prof. Anupam Chattopadhyay: DST-SERB, 2015-2018, "GIS based digital mapping of natural deformational structures: Development of methodology and application to structurally controlled ore deposits". Rs. 37.06 Lakhs.

Prof. G.V.R. Prasad: SERB - J.C. Bose National Fellowship, 2015-2020, Rs. 95,00,000/-

Prof. P.P. Chakarborty, UGC, "Paleo-proterozoic sedimentation in north Indian craton: Evidence from the basal part of Gwalior and Bijawar basin" Rs. 12.33 Lakhs

Prof. P. Srivastava: DST-SERB, 2016-2019. "Paleogene fossil soils of the NW Himalayan Foreland Basin: Implications for the oldest tropical weathering and monsoonal conditions over the Indian subcontinent." Rs. 27,66,800.

### Seminars/Conference Presentations

Chattopadhyay, A., Invited Lecture, '*Fault Reactivation, Seismicity and Intracontinental Deformation*' at the 1<sup>st</sup> International Symposium of Hiroshima Institute of Plate Convergence Research (HiPeR), Hiroshima University, Japan, January 2018

Jain, V., Shekhar, S., Bawa. N., *Challenges in the geomorphic management of a river system in response to urbanisation expansion around a mega city: Case study from Yamuna River around Delhi NCR.*, International Symposium on Sustainable Urban Environment (ISSUE 2017). Tezpur University, Assam, 23-24 June, 2017.

Shekhar, S., Invited Lecture, "*Water resources management of Delhi and the need for innovative solutions*", National Conference on Recent Advances In Environmental Sciences, Amrita Devi Bishnoi Seminar Hall, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India, 22 March 2018.

Shekhar, S., Invited Lecture, "*Connecting People to Nature-Way Forward*" on the occasion of World Environment Day, Centre for Advanced Water Technology and Management , Manav Rachna International University, Faridabad, Haryana, India, 5 June 2017.

Shekhar, S., Invited Lecture, "*Regeneration of Catchments-Watershed Management: New & Traditional Practices*", Symposium on Water: Issues, Research and Solutions, organised by Manav Rachna Int. Institute of Research & Studies in association with University of The West of England (UWE), Bristol, UK, Manav Rachna Int. Institute of Research & Studies, Faridabad, Haryana, 15 February, 2018.

Kant, A., Jha, E., Shekhar, S., Tewari, D., "*Groundwater Resources Management in Markanda Sub-Basin of Haryana: Past, Present and Future prospects*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Sarkar, A., Shekhar, S., Pandey, V., "*Spatial distribution of Nickel in water: assessment of the unconventional contaminant in upper Yamuna basin*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Shekhar, S., Kumar, S., Ali, S., "*Assessment of temporal variation in dynamic groundwater resources of Haryana sub-region, NCR Delhi*", National Conference on "Water-Technological Innovation & Solution", organised by Manav Rachna International Institute of Research and Studies and Indian National Committee of International Association of Hydrogeologists, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India; 23 March 2018.

Chakraborty, N.P., Jain, V., Shekhar, S., “*Incorporation of geomorphic criteria to define environmental flow in a Himalayan river, Yamuna River system, India*”. 9<sup>th</sup> International Conference on Geomorphology, Vigyan Bhawan, New Delhi, India; 6 -11 November 2017.

Sarkar, A., and Shekhar, S., “*Status of lead contamination in parts of upper Yamuna basin and its linkage with other contaminants*”, International Seminar on Water Pollution and Health, organised by Department of Civil Engineering, Jamia Millia Islamia, New Delhi, India; 27-28 July 2017.

#### **Other Inter-Institutional Collaboration**

Prof. P.P. Chakraborty: Research collaboration with IIT Kharagpur, Jadavpur University Kolkata, Pondicherry University, IIT Mumbai. Prof. A. Sarkar, Prof. S. Banerjee, Prof. S. Balakrishnan (DST, IIT)

Prof. P.P. Chakraborty: National Science Museum, Hyakunin-cho, Shinjuku-ku, Tokyo, Japan Hiroshima University, Japan. Dr. K. Das, Dr. Fumito Shiraishi (JSPS)

#### **Students under Exchange Programme**

Ms. Ekta Aggarwal of M.Sc. (Final) visited University of Oklahoma, USA under the prestigious S.N.Bose Scholar Programme

#### **Placement Details (Number and percentage of students placed)**

Number and percentage of students placed: MECL – 1, ONGC – 2, Coal India Ltd. – 3, CGWB – 1.

#### **Extension and Outreach Activities**

Earth Science week was celebrated from October 9 -13, 2017

International Fossil Day was celebrated on October 16, 2017

The Department facilitates visits to Departmental Museum from students and teachers of schools, colleges and university departments on a regular basis

Organised Yamuna River Walk in collaboration with DUAL Geology Association and Visit to Palla Pumping Station monitored

**Number of M.Phil/Ph.D Degrees Awarded:** Ph.D – 13; M.Phil. – 5

#### **Faculty Strength**

Permanent : 13

DST-Inspire Faculty : 01

UGC Faculty Recharge Programme: Assistant Professor – 01

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### **PHYSICS AND ASTROPHYSICS**

#### **Major activities and Achievements**

The Department of Physics maintained its position in QS rankings as the topmost university physics department in the country. With nearly 550 MSc students, over 150 PhD students and ~ 50 faculty members, the department is one of the largest physics departments in the country. It sustained its high quality research as evidenced by more than 300 research publications by faculty and students in international refereed journals during the year. Faculty members received several national and international grants and participated in several collaborative projects across the globe. The department hosted various eminent researchers from all over the world, who gave inspiring lectures to motivate our young students. The department conducted an extensive exercise to revise its M.Sc. curriculum providing a wide choice of electives, including inter-disciplinary subjects to its students. An exclusive departmental portal, displaying regular updates on its academic and other activities, successfully went online this year.

#### **Honours and Distinctions**

Prof. H.P. Singh was appointed Member of Indo-Japan Science Council, Department of Science and Technology, Government of India.

Prof. Vinay Gupta was awarded ISCAS Silver Medal - 2017

Prof. Vinay Gupta was appointed as Member, Think-Tank, "Digital India - from Education to Jobs"

## Publications

- Adamson, et. al. (2017). Search for active-sterile neutrino mixing using neutral-current interactions in NOvA. *Physical Review D*, 96, 072006.
- Adamson, et. al. (2017). Constraints on Oscillation Parameters from  $\nu_e$  Appearance and  $\nu_\mu$  Disappearance in NOvA. *Physical Review Letters*, 118, 231801.
- Adamson, et. al. (2017). Measurement of the Neutrino Mixing Angle  $\theta_{23}$  in NOvA. *Physical Review Letters*, 118, 151802.
- Agarwal, S., Hashmi S. A., Nandan B., Patra A. K., Singh R. P., Chelvane J. A., & Khatri M. S. (2017). Structure and magnetic properties of electrodeposited CoPt/Pt multilayer nanowires. *Chemical Physics Letters*, 684, 378
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- Ananthanarayan, B., Caprini I., Das D. (2017). Electromagnetic Charge Radius of the Pion at High Precision. *Physical Review Letters*, 119, 132002.
- Arora, K., Tomar M., & Gupta, V. (2017). An impedimetric response study for the efficient detection of breast cancer specific biomarker CA 15-3 using a tin oxide thin film based immunoelectrode. *Analytical Methods*, 9, 6549-6559.
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- Avinash, K., Gaurav S. (2017). Equilibrium and stability of a gravitationally bound uniformly charged dust cloud. *Physics of Plasmas*, 24, 53703.
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- Bahl, S., Kumar V., Bihari R.R., & Kumar P. (2017). Investigations of OSL properties of CaSO<sub>4</sub>: Mn phosphor exposed to gamma and beta radiations. *Journal of Luminescence*, 181, 36.
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- Balendra, Banday A., Murugavel, S., Kanaujia, P. K., Prakash, G.V., & Ramanan A. (2017). Calcium and Strontium Coordination Polymers Based on Rigid and Flexible Aromatic Dicarboxylates: Synthesis, Structure, Photoluminescence, and Dielectric Properties. *Chemistry Select*, 2, 8567.
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Zank, G. P., Adhikari, L., Hunana, P., Shiota, D., Bruno, R., Telloni, D. & Avinash, K. (2017). The Theory of Nearly Incompressible Magnetohydrodynamic Turbulence: Homogeneous Description. *Journal of Physics: Conference Series*, 900, 12023.

### **Journals**

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Professor Sanjay Jain, Editorial Board Member, Theory in Biosciences (Springer)

Professor Sanjay Jain, Editorial Board Member, Artificial Life (MIT Press)

Professor Vinay Gupta, Member (2012-18), International Advisory Board, Journal "Energy Harvesting & Systems", De Gruyter, USA

Dr. Awadhesh Prasad, Editor, Chaos, Solitons and Fractals (Elsevier Science)

Dr. Awadhesh Prasad, Editorial Board Member, Pramana - J. Physics (Indian Academy of Science)

### **Research Projects**

Dr. Ajit K. Mahapatro: SSPL-DRDO, 2017-2019, "Investigation of Thermoelectric (TE) Properties of Calcium Cobalt Oxide (Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub>) and Graphene Derivatives (as nano-inclusions) for TE Generator Applications." Rs. 9.83 Lakhs

Dr. Nivedita Deo: DST-SERB, "Functional Domains and Site Correlation Networks in Evolving Protein Families." Rs. 23.84 Lakhs

Dr. Sumalay Roy: DST-SERB, 2017-2019, "Tailoring of magnetic and other functional properties of thin film nanostructures using low energy ion beams." Rs. 60 Lakhs

Prof. H.P. Singh: DST (Indo-US joint network), "Theoretical Analysis of Variable Star Data in the era of Large Surveys" Rs. 45 Lakhs

Prof. Vinay Gupta: DRDO, 2018-2019, "Optimization of TiO<sub>x</sub> film and patterning of the polymer (PI-2610) as sacrificial layer for pixel fabrication" Rs. 22.19 Lakhs

Prof. Vinay Gupta: DRDO, 2017-2019, "Feasibility study for fabrication of Air bridges by gold electroplating". Rs. 9.42 Lakhs

### **Patents Filed/Granted**

Vinay Gupta, Monika Tomar, Anjali Sharma, Avneet Singh; Indian Patent, Application No.: 20181106329 (provisionally filed in Feb 2018); Electric field assisted low power consuming conducto-metric gas sensor.

Vinay Gupta, Monika Tomar, Anjali Sharma, Avneet Singh, Parivesh Chugh, Jaivinder Singh, Bharthy Subramanian; Indian Patent, Application No.: 201711011941; A Sensitive, Selective and Rapid Fuel Gas Sensor.

Ashok Kumar, Hitesh Borkar, Vaibhav Rao, Monika Tomar, Vinay Gupta (US Patent App. 15/406, 236, 2017/7/20); US Patent (20170206952 A1, 2017/1/13); Multi-States Nonvolatile Opto-Ferroelectric Memory Material and Process for preparing the same thereof.

### **Seminars Organised**

Total number: 35

Prof. Mir Faizal, University of British Columbia & University of Lethbridge, Canada; Title: Short Distance Modification of Quantum Systems; May 5, 2017

Prof. Samir D. Mathur, Ohio State University, U.S.A.; Title: Spacetime has a thickness!; July 17, 2017

Prof. Nigel Lockyer, Director, Fermi National Accelerator Laboratory, U.S.A.; Title: Particle Physics: Science without Borders: Neutrinos Going Global; October 11, 2017

Prof. Shiv N. Khanna, Virginia Commonwealth University, Richmond; Title: Superatoms: Novel Nanoscale Materials Using New Building Blocks; November 3, 2017

Prof. C. K. Chan, Institute of Physics, Academia Sinica, Taipei, Taiwan; Title: Anticipative Dynamics of a Retina; November 7, 2017

Prof. Frank H. Shu, University of California at Berkeley and Sandiego; Title: Formation of Sunlike Stars and Planetary Systems; December 20, 2017

Prof. Vijay Kumar Krishnamurthy, International Centre for Theoretical Sciences, Bengaluru; Title: Morphogenetic patterns: biochemical signalling, mechanics and geometry; February 15, 2018

Prof. Yuji Okawa, University of Tokyo, Komaba; Title: Complete action for open superstring field theory; February 16, 2018

Dr. Anand K. Bhatia, Heliophysics Science Division, NASA /Goddard Space Flight Center, USA; Title: Hybrid Theory of scattering and its applications; February 21, 2018

Prof. Edward Thomas, Jr., Auburn University, USA; Title: Using dusty plasmas to study all four states of matter; March 12, 2018

### Conferences Organised

Professor Nivedita Deo (Convener), Joint International Conference Econophys - 2017 & Asia Pacific Econophysics Conference (APEC) – 2017; November 15-18, 2017. Funding: Jawaharlal Nehru University, University of Delhi, SINP and Centrale supec.

Professor Vinay Gupta (Conference Chair), International Symposium on Integrated Functionalities (ISIF-2017), December 10-14 2017, Funding Agency: DST, DRDO.

Visitors Programme - 2018, March 26 2018, Funding: Department of Physics & Astrophysics, University of Delhi

### Seminar/Conference Presentations

Gupta, V., Invited Lecture, “*Energy harvesting using multifunctional thin films*”, 10<sup>th</sup> National Conference on Solid State Chemistry and Allied Areas, ISCAS, Delhi Technological University, 1 - 3 July 2017.

Gupta, V., Invited Lecture, 14<sup>th</sup> International Meeting on Ferroelectrics (IMF-2017), San Antonio, USA, 4 - 8 September 2017.

Gupta, V., Plenary Lecture, International Conference on Nanoscience and Nanotechnology (ICNN- 2017), BBAU, Lucknow, India, 22 – 24 September 2017.

Gupta, V., Invited Lecture, 11<sup>th</sup> Symposium on Frontier in Biomedical research, Dr. B.R. Ambedkar Center for Biomedical Research, University Conference Hall, University of Delhi, 19-21 February 2018.

Gupta, V., Invited Lecture, International workshop on soft Materials and Devices, Central University of Jammu, Jammu, 21-25 March 2018.

Jain, S., Invited Lecture, “*Hierarchy, feedback and modularity in bacterial genetic-metabolic regulatory networks*”, Symposium on Network Biology, Indian Institute of Information Technology, Delhi, October 28, 2017.

Jain, S., Invited Lecture, “*Network anatomy of innovation and catastrophe in an evolutionary model*”, Workshop on Adaptive Co-evolving Networks and Catastrophes, Complexity Science Hub, Vienna, Austria, November 2-3, 2017.

Jain, S., Invited Lecture, “*Network anatomy of innovation: Growth and creative destruction in an evolutionary model*”, International Workshop on Economy as a Complex System IV: Can Economics be a Physical Science?, Institute of Mathematical Sciences, Chennai, November 13-14, 2017.

Jain, S., Invited Lecture, “*Interactions between two intracellular networks reveal functional modules in the cell*”, National Conference on Cross-Disciplinary Applications of Complex Networks, Department of Mathematics, Shiv Nadar University, 22-24 March, 2018.

Kumar, P.S., Invited Lecture, “*The Magic of Small Things: A Journey with Surface Science and Spectroscopy*”, National Seminar on Contemporary Physics, Madura College, Madurai, Tamil Nadu, INDIA, December 15, 2017.

Mandal, S., Invited Lecture, “*Measurement of absolute fusion cross section at and below Barrier energies*”, Thematic workshop on underground accelerator based nuclear astrophysics facility, UGC-DAE CSR, Kolkata Centre, Kolkata, 17 - 18 May, 2017.

Mandal, S., Invited Lecture, “*Fabrication and testing of a transient field based g-factor set-up for structure studies*”, Workshop on INGA experiments, IUAC, New Delhi, 14 -15 September 2017.

Mandal, S., Invited Lecture, “*Instrumentation for Scanner Systems : Gamma Ray Tracking Array*”, Present and Future of Nuclear Instrumentation in India, December 19, 2017, IIT Ropar.

Roy, S., Invited Lecture, Meeting on “Emerging trends in physics of surfaces, interfaces and nanostructures”, jointly organised by Indian Association for the Cultivation of Science, Kolkata, India and S. N. Bose National Center for Basic Sciences, Kolkata, India, 24-25 November, 2017.

### **National / International MoUs Signed**

University of Delhi signed a 5-year MoU (2017-22) with State University of New York, Oswego, USA and Marburg University, Germany on the request of the Department for cooperation in the area of Astronomy & Astrophysics.

### **Other Inter-Institutional Collaborations**

#### International Collaborations

Prof. H. P. Singh: nodal PI in an Indo-US joint networked Center “Theoretical Analysis of Variable Star Data in the era of Large Surveys” sanctioned in March 2018 by the Indo-US Science and Technology Forum with. The other partners are the State University of New York at Oswego, Yale University and IUCAA.

Prof. H. P. Singh: Indo-US Project with Nodal Institute as Delhi University and SUNY (Oswego), Texas A&M University, University of Florida (Gainesville) and IUCAA (Pune) as partner Institutes.

Prof. B.C. Choudhary, Prof. K. Ranjan, Dr. Ashok Kumar, Dr. A. Bhardwaj, Dr. M. Naimuddin: Country-wide collaboration on Compact Muon Solenoid (CMS) experiment in High Energy physics with National (TIFR, SINP, BARC, etc.) and International (CERN, Fermilab, DESY etc.) institutions.

Prof. Vinay Gupta: Prof. A.P. Freundorfer and Prof. Michael Sayer, Queen`s University, Kingston, Canada

Prof. Samit Mandal: Involved with the following Inter-institutional and multi-country collaborations: PRESPEC collaboration: GSI, Germany; AGATA collaboration: European collaboration; FAIR collaboration: GSI, Germany

#### National Collaborations

INO Collaboration: India, Inter-institutional collaboration (HEP group)

Prof. Samit Mandal and Dr. Suresh Kumar: INGA collaboration: Inter-institutional collaboration

Prof. Avinash Khare: Tata Institute of Fundamental Research, Mumbai, Institute for Plasma Research, Gandhinagar.

Prof. Sevi Murugavel: Collaborative work between DU and IGCAR.

Prof. Vinay Gupta: with Prof. Ratnamala Chatterjee (IIT Delhi); Dr. A. Kapoor, Solid State Physics Laboratory (DRDO), Delhi; Dr. Dinakar Kanjilal, IUAC, Delhi; Dr. Govind Gupta and Dr. Ashok Kumar, National Physical Laboratory, Delhi

### **Students under Exchange Programme**

Mr. Manoj Kumar Vyas, Research Student of Professor Amita Chandra, was invited for a research visit to Universitat Paderborn under the Research Group Linhage Programme funded by Alexander von Humboldt Foundation for the period June 30 - July 28, 2017.

### **Extension and Outreach Activities**

Prof. Sanjay Jain mentored high school students at DST-INSPIRE Internship Camp, Punjab University, Chandigarh, and gave an invited lecture on “How did life originate?”

Prof. H. P. Singh taught a course in Introductory Astronomy for M.Sc. (Physics) students at the University of Marburg, Germany in May-July 2017.

**Number of M.Phil. / Ph.D. Degrees Awarded:** Ph.D. – 10;

### **Faculty Strength**

Permanent : 42

UGC-FRP : 02  
DST-INSPIRE : 05  
Emeritus : 02

### **Other Significant Information**

The Department offers the Annual Raman Ramkumar memorial award in computational physics for meritorious MSc students.

The Department conducts Summer Programme for undergraduate students under EWS category to train and inspire them for MSc entrance examination in physics.

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## **ZOOLOGY**

### **Major activities and achievements**

The Department of Zoology is one of the premier research-intensive Departments in the country. Research is conducted in diverse areas ranging from microbial systems to humans. Faculty members in the last one-year have published approximately 62 research papers in peer reviewed journals of high impact. They have also presented their findings in various National and International conferences. Many of them have been conferred with prestigious honors and have received substantial funding from various National and International funding agencies. The Department of Zoology has also been the recipient of DST-FIST, UGC-SAP/CAS and DU-DST PURSE funding grants. The Department imparts M.Sc. teaching and training in advanced areas of Zoology to approximately 180 students. In addition, eight M.Phil. and 26 Ph.D. degrees have been awarded to students in the last one year.

### **Honours/Distinctions**

Prof. Rup Lal, Ambassador of ISME (International Society for Microbial Ecology), The Netherlands (March 2017 onwards)

Prof. Rup Lal, Endeavour Executive Fellowship Award by Government of Australia, 2018

Prof. Rup Lal, Kuldeep Dhatwalia Excellence Award - 2017 from Chaman Seva Sansthan, Himachal Pradesh for exemplary work, achievements, commitment and contributions in the development of nation.

Prof. Rina Chakrabarti, Member, Task Force on "Aquaculture and Marine Biotechnology", Department of Biotechnology since October 2017.

Prof. D.K. Singh, Member - Training, Research and Academic Council (TRAC) of Wildlife Institute of India, with effect from 10.5.2018 for three years.

Prof. D.K. Singh, Member, Wildlife Institute of India - Society for three years with effect from September 25th, 2017

Prof. Shibnath Mazumder, visited Rajiv Gandhi Central University as INSA-Teacher Fellow March 5- 8, 2018.

Prof. R. K. Seth, Advisor, Ministry of Environment and Forests, Govt. of India

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Annamalai University, Tamil Nadu

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Punjabi University, Patiala

Prof. R. K. Seth, UGC Nominee for CAS/SAP programme in Department of Zoology, Panjab University, Chandigarh

Prof. R. K. Seth, Chair, technical session in "Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques", (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria (22-26 May 2017).

Prof. R. K. Seth, Chair, technical session in II FAO/IAEA Research Co-ordination Meeting on CRP, "Improved Field Performance of Sterile Male Lepidoptera to Ensure Success in SIT Programmes", Palmerston North, New Zealand (March 12-16, 2018).

Prof. Y. Singh, Appaji Rao Best Mentor Award from IISc Alumni Association in 2017.

Prof. Alok C. Bharti, Recipient of international travel grant from Indian National Science Academy, New Delhi to visit Chinese Academy of Science, China under Bilateral Exchange programme 2018.

## Publications

Agarawal, N., Mishra, I., Rani, S. and Kumar, V. (2018). Temporal expression of clock genes in central and peripheral tissues of spotted munia under Varying Light Conditions: Evidence for Circadian Regulation of Daily Physiology in a Non-photoperiodic Circannual Songbird species. *Chronobiology International*, Doi: 10.1080/07420528.2017.1422742

Agarawal, N., Mishra, I., Komal, R., Rani, S., and Kumar, V. (2017). Circannual testis and moult cycles persist under photoperiods that disrupt circadian activity and clock gene cycles in spotted munia. *Journal of Experimental Biology*, 220, 4162-4168.

Bharti, A. C. and Aggarwal, B. B. (Eds.). (2017). *Role of Nutraceuticals in Chemoresistance to Cancer*, USA: Elsevier.

Bharti, A. C. and Rajan, P. (2017). Berberine as an Adjuvant and Sensitizer to Current Chemotherapy. In Bharti A. C. and Aggarwal, B. B. (Eds.). *Role of Nutraceuticals in Chemoresistance to Cancer*, USA: Elsevier, [In press].

Bharti, A. C., Singh, T., Bhat, A., Pande, D., and Jadli, M. (2018). Therapeutic strategies for human papillomavirus infection and associated cancers. *Front Biosci (Elite Ed)*. 1(10), 15-73.

Bharti, A.C. Vishnoi, K., Singh, S. M. and Aggarwal, B. B. (2017). Pathways Linked to Cancer Chemoresistance and Their Targeting by Nutraceuticals. In Bharti A. C. and Aggarwal, B. B. (Eds.). *Role of Nutraceuticals in Chemoresistance to Cancer*, USA: Elsevier, [In press].

Chakrabarti, R. (2017). Culture of zooplankton and aquatic macrophytes as non-conventional livelihood. In Dhanze, R., Ninawe, A. S. and Dhanze, J. R. (Eds.). *Aquaculture for Nutritional and Livelihood Security*, (pp. 189-203). New Delhi, India: Narendra Publishing House. [ISBN 978-93-86110-74-9].

Chakrabarti, R., Ngasainao, M. R., and Sharma, J. G. (2017). Embryonic and larval development of snow trout *Schizothorax richardsonii*. In Hendry, C. I. (Eds.). *Larvi'17, Fish and Shellfish Larviculture*. (pp. 87-90).

Charu, T., Harshita, M., Himani, K., Vatsala, D., Komal K., Negi, R. K. and Lal, R. (2017). Complete Genome Analysis of *Thermus parvatiensis* and Comparative Genomics of *Thermus* spp. Provide Insights into Genetic Variability and Evolution of Natural Competence as Strategic Survival Attributes. *Frontiers in Microbiology*, doi:10.3389/fmicb.2017.01410.

Datta, D., Khatri, P., Singh, A., Saha, D.R., Verma, G., Raman, R. and Mazumder, S. (2018). *Mycobacterium fortuitum*-induced ER-Mitochondrial calcium dynamics promotes calpain/caspase-12/caspase-9 mediated apoptosis in fish macrophages. *Cell Death Discov.* (Springer-Nature), Doi:10.1038/s41420-018-0034-9.

Gautam, M., Bhattacharya, I., Rai, U. and Majumdar, S. S. (2018). Hormone induced differential transcriptome analysis of Sertoli cells during postnatal maturation of rat testes. *PLoS-ONE*, 13(1): e0191201.

Guo, H., Cheng, T., Chen, Z., Jiang, L., Guo, Y., Liu, J., Li, S., Taniai, K., Asaoka, K., Kadono-Okuda, K., Arunkumar, K.P., Wu, J., Kishino, H., Zhang, H., Seth, R.K., Gopinathan, K. P., Montagné, N., Jacquini-Joly, E., Goldsmith, M. R., Xia, Q. and Mita, K. (2017). Expression map of a complete set of gustatory receptor genes in chemosensory organs of *Bombyxmori*. *Insect Biochemistry and Molecular Biology*, 82, 74-82.

James, A., Singh, D. K., Khankhane, P. J., & Kaur, R. (2017). Enhanced atrazine removal by hydrophyte-bacterium associations and in vitro screening of the isolates for their plant growth promoting potential. *International Journal of Phytoremediation*, 20(2), 89-97.

Jha, M., Patel, S.K., Jhaand, A.K. and Shrivastava, A. (2017). Promoter hypermethylation of FHIT and P14 genes in OSCC patients among north Indian population. *Cancer Therapy and Oncology International Journal*, 5(2). Doi: 10.19080/CTOIJ.2017.05.555660.

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## Journals

Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board

Prof. Rup Lal, Editor, mSystems, published by American Society for Microbiology (ASM), USA.

Prof. Rup Lal, Editor, Indian Journal of Microbiology (INJM).

Prof. Rup Lal. Member, Editorial Board of Journal of Bioscience & Bioengineering (JBB); Environmental Microbiology (EM); Environmental Microbiology Reports (EMIR); Microbial Biotechnology Journal BMC Biotechnology; OA Biotechnology.

Prof. R. Seth, Editorial Advisory Board member; Indian Journal of Entomology; J. Nuclear Agric. Biol.

Prof. Y. Singh, Editor, Indian Journal of Microbiology, Springer Press.

Prof. Y. Singh, Member, Editorial Board, Journal of Biological Chemistry (JBC).

Prof. Y Singh, Editorial Advisory Board member, Recent Patents on Anti-infective Drug Discovery (Bentham Science Publishers).

Prof. M. M. Chaturvedi, Member, Editorial Board, Journal of Oncolytic Virology; Indian J. of Experimental Biology (IJEB).

Prof. Vinod Kumar, Member, Editorial Board, Current Science.

### Research Projects

Prof. Rina Chakrabarti (PI): DBT, 2015-2019, “Development of Pelleted Diet for *Labeorohita* and *Clarias batrachus* Using *Achyranthes aspera* and Evaluation of Its Immunostimulatory Properties in Pond Culture System”; In collaboration: Central Institute of Fisheries Education (CIFE), Rohtak, Haryana and Delhi Technological University, Delhi. Rs. 90 Lakhs.

Prof. Alok C. Bharti (PI): DBT, 2016-2018, “Investigation of Host Transcription Factors that Predispose Head and Neck Cancers to HPV16 infection” Rs. 25 Lakhs

Prof. Rina Chakrabarti (PI): DBT (International co-operation), 2016-2019. “Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients”. India: Goa University, Kerala University of Fisheries, Delhi Technological University; UK: University of Stirling, Scottish Association for Marine Science; Africa: Sokoine University of Agriculture, Aquacultural Association of Kenya, State Department of Fisheries. Rs. 120 Lakhs.

Prof. R. K. Seth (PI): International Atomic Energy Agency (IAEA) Vienna, 2016-2021, “Quality improvement of mass reared moths and assessment of competitiveness of radio-sterilized lepidopteran pest, *Spodopteralitura* and its F<sub>1</sub> progeny in field simulated cages for pest suppression through ‘Inherited sterility technique’ under FAO/IAEA CRP (D41026) on “Improved Field Performance of Sterile Male Lepidoptera to Ensure Success in SIT Programmes” (IAEA Contract No. 20565/RB). € 40,000.

Prof. Umesh Rai (Co-PI): DBT, 2017-2019, “Understanding signaling mechanism of inflammation in teleost *Channa punctatus*”, Rs. 35.84 Lakhs

Prof. Umesh Rai (Co-PI): DST-SERB, 2017-2019, “Understanding the mechanism of onset of reproductive activity in seasonally breeding reptile *Hemidactylus flaviviridis*: an emphasis on the role of the kisspeptin system” Rs. 42.25 Lakhs

Prof. Rup Lal (PI) & Dr. R. K. Negi (Co-PI): AMAAS and NBAIM, 2017-2020, “To study the microbial diversity associated with fish gut by using culture dependent and independent approaches”, Rs. 19.5 Lakhs

Prof. Rup Lal: DBT, 2017-2020, “Exploring diversity, functional dynamics and biotechnological applications of bacterial communities inhabiting hot water spring atop the Himalayan ranges at Manikaran, Himachal Pradesh, India.” Rs. 52.2 Lakhs.

Prof. D.K. Singh: IAEA/FAO, 2017-2021, “Field-Deployable Analytical Methods to Assess the Authenticity, Safety and Quality of Food in India”, € 30,000.

Prof. Rup Lal (PI) Dr. R. K. Negi (Co-PI): DBT, 2018-2020, “Remediation and reclamation of HCH dumpsite by using microbial bioremediation technology, Rs. 113 Lakhs

Prof. Rina Chakrabarti (PI): DBT, 2018-2021, “Dissemination and Demonstration of Fish Culture Technology among Women Self Help Groups in NCR Region of Delhi as a Self Employment Activity”, In collaboration with Delhi Technological University, Delhi. Rs. 60 Lakhs.

Prof. Alok C. Bharti (PI): Indian Council of Medical Research (ICMR), 2018-2021, “Investigation of molecular mechanism(s) of STAT3-mediated regulation of HPV infection and cervical carcinogenesis” Rs. 39.6 Lakhs

Prof. D.K. Singh (PI): NASF (ICAR), 2018-2021, “Bioremediation of chemical contaminants and their complexes present in drainage waste water with high dynamic flux used for irrigation in urban and peri-urban agriculture”, Lead Centre - Delhi University. Rs. 95.46 Lakhs.

### Seminars Organised

Organised “Women Health and Cancer Awareness Workshop” with AOGIN-India at Miranda House, University of Delhi; April 7, 2017.

Organised Pre-conference workshop on “Hands on to Computational Biology for (Meta)Genomic analysis” under the aegis of International Society for Microbial Ecology (ISME), Department of Zoology University

of Delhi and Indian Network for Soil Contamination Research (INSCR) at Department of Zoology, University of Delhi; September 26, 2017.

Organised AMI-INSCR Workshop on “Beginner’s Computational Tools for Genome and Metagenome Analysis” under the aegis of Association of Microbiologists of India (AMI) and Indian Network for Soil Contamination Research (INSCR) at Department of Zoology, University of Delhi; October 13, 2017.

Organised a workshop on “Hands on to Computational Biology for (Meta)Genomics Analysis” jointly organised under the aegis of Department of Environmental Studies and Department of Zoology at Department of Zoology University of Delhi; November 22, 2017.

Organised ISME-AMI-INSCR Pre-conference workshop -2017 on “Hands on Computational Biology for (Meta) Genomics Analysis” under the aegis of Association of Microbiologists of India (AMI), Indian Network for Soil Contamination Research (INSCR), and International Society for Microbial Ecology (ISME) at Baba Sahib Bhimrao Ambedkar University, Lucknow; November 16, 2017.

Organised ISME Ambassador Meet and Workshop -2018 on “Hands on to Computational Biology for (Meta) Genomics Analysis” under the aegis of Kalinga Institute of Industrial Technology and International Society for Microbial Ecology (ISME) at KIIT, Bhubaneswar; May 3, 2018.

### **Conference/workshop organised**

Prof. Alok C. Bharti: Workshop on “Cervical Cytology and HPV Testing” during AOGIN-India Annual Conference, at Hotel Clarks Awadh; September 8, 2017.

Prof. Rup Lal: INSCR International Conference 2017 (IIC-2017) on “Role of Microbe-Plant-Animal Interactions in Human Health” under the aegis of Department of Zoology University of Delhi, Indian Network for Soil Contamination Research (INSCR) and Amity University, Noida at Department of Zoology, University of Delhi; September 26 - 28, 2017.

Prof. Rina Chakrabarti: Workshop on “Develop a Best Practice Manual on Field Performance of Sterile Male Moths”. Joint FAO/IAEA Programme of Nuclear Techniques in Food and Agriculture, Palmerston North, New Zealand; March 17, 2018.

### **Seminar/conference presentations**

Bakshi, A., and Rai, U., “*Sexual dimorphism in expression of leptin in Channapunctatus*”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29<sup>th</sup> – December 1<sup>st</sup>, 2017. (Won 2<sup>nd</sup> prize for oral presentation)

Bharti, A.C., “*Targeting Radioresistance in Cervical Cancer by Curcumin through Combating AP-1 Activity in Cancer Stem Cells*”, 2<sup>nd</sup> International Conference on Nutraceuticals and Chronic Diseases, organised by Indian Institute of Technology, Guwahati at Goa; 02<sup>nd</sup> September, 2017.

Bharti, A.C., “*Molecular Methods of HPV Testing in Cervical Scrapes: Options and Opportunities*”, AOGIN-India Workshop on “Cervical Cytology and HPV Testing”, AOGIN-India Annual Conference, Lucknow; 08<sup>th</sup> September, 2017.

Bharti, A.C., “*HPV infection, Cervical Cytology & Cervical Carcinogenesis: Basics*”, AOGIN-India Workshop on “Cervical Cytology and HPV Testing”, AOGIN-India Annual Conference, Lucknow; 08<sup>th</sup> September, 2017.

Bharti, A.C., Guest Faculty lecture, “*Stem Cells in Regenerative Medicine and Cancer Research*”, Miranda House, University of Delhi, Delhi; 05<sup>th</sup> October, 2017.

Bharti, A.C., Invited lecture, “*Animal Tissue Culture: Contributions to Modern/Medical Science*”, National Workshop on “Animal Cell Culture: Techniques and Applications”, Guru Ghasidas University, Bilaspur; 18<sup>th</sup> – 24<sup>th</sup> January, 2018.

Bharti, A.C., “*Cervical Cancer – A Preventable Lifestyle Disease but NOT YET Prevented: Molecular Targets as Avenues for Potential Therapeutics*”, National Conference on Diseases and Drugs: Emerging Trends and Challenges" (NCDD-2018), Plenary Session 2: Physiological and Molecular Mechanism of Lifestyle Diseases, Zakir Hussain Delhi College, University of Delhi, Delhi, January 31<sup>st</sup> to February 1<sup>st</sup>, 2018.

Bharti, A.C., Guest Faculty lecture, “*Antibodies - Structure and Type, Nature of Antigens, Antigen-Antibody based Applications- Basic and Advanced*”, School of Biotechnology, Banaras Hindu University, Varanasi. 10-12<sup>th</sup> February, 2018.

Bharti, A.C., “*Targeting Radioresistance in Cervical Cancer by Curcumin through Combating AP-1 Activity in Cancer Stem Cells*”, Trends in Biochemical and Biomedical Research: Advances and Challenges (TBRR-2018), Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, INDIA, 13-15<sup>th</sup> February, 2018.

Bharti, A.C., Invited Lecture on “*Animal Cell Culture: Cell Culture Based Assays*”, DBT Workshop on “Recent techniques in DNA and Protein analysis” held at SOS in Biotechnology, Jiwaji University, Gwalior; 3<sup>rd</sup> March, 2018.

Bharti, A.C., “*Role of Viral Oncoproteins in Maintenance of Cervical Cancer Stem Cells and Chemoresistance*”, Regenerative Medicines and Chronic Degenerative Diseases and Role of Omics and Biomarkers in Health (3.0 Edition), Department of Zoology, University of Kerala, Thiruvananthapuram, 10<sup>th</sup> March, 2018.

Chatterjee, M., and Agrawal, N., “*Phosphorylation of serine residues of mutant huntingtin contributes to metabolic function in Huntington’s disease in Drosophila*”, 58<sup>th</sup> Annual *Drosophila* Research Conference, San Diego, CA, USA, March 29<sup>th</sup> - April 2<sup>nd</sup>, 2017.

Chakrabarti, R., “*Evaluation of immunostimulation properties of Achyranthes aspera supplemented diets on Labeo rohita in pond culture system*” Asian Pacific - Aquaculture 2017 organised by World Aquaculture Society (WAS, USA), Kuala Lumpur, Malaysia; 24<sup>th</sup> – 27<sup>th</sup> July, 2017.

Chakrabarti, R., “*Embryonic and larval development of snow trout Schizothorax richardsonii*”, Fish and Shellfish Larviculture Symposium “Larvi 2017”, Artemia Reference Centre, Ghent University, Ghent, Belgium; 4<sup>th</sup> – 7<sup>th</sup> September, 2017.

Choubey, P., Rana, M., Bajaj, D., and Basu-Modak, S., “*Heme metabolizing enzymes in the developing mouse embryo*”, International Congress of Cell Biology, Hyderabad; 27<sup>th</sup> - 31<sup>st</sup> January, 2018.

Haveri, R.V., Hanchinal, S.G., Chandrashekhar, Zarin, M., Khan, Z., Patil, B.V., Yelshetty, S., and Seth, R.K., “*Optimization of semi-synthetic diet for quality mass rearing of the legume pod borer, Maruca vitrata (Fabr.) (Lepidoptera: Crambidae) towards employment of ‘Inherited Sterility’ technique for the pest suppression*”, Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22<sup>nd</sup> – 26<sup>th</sup> May, 2017.

Kumari, B., Bakshi, A., and Rai, U., “*Sex-related and tissue-specific variation in expression of kisspeptin and its receptors in spotted snakehead*”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29<sup>th</sup> – December 1<sup>st</sup>, 2017.

Kumari, R., Rawat, K., and Shrivastava, A., “*Melatonin attenuates parameters involved in cancer progression including angiogenesis: a study in murine model*”, National Conference on “Diseases and Drugs: Emerging Trends and Challenges” Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31<sup>st</sup> - February 1<sup>st</sup>, 2018.

Lakra, P., Aditi, K., and Agrawal, N., “*Emerging role of mutant huntingtin in metabolic activity in Drosophila*”, 25<sup>th</sup> European *Drosophila* Research Conference, London, UK; 22<sup>nd</sup> – 25<sup>th</sup> September, 2017.

Lakra, P., Aditi, K., and Agrawal, N., “*Detrimental effects of mutant huntingtin beyond neurons: Alteration of metabolic activity in Drosophila*”, 58<sup>th</sup> Annual *Drosophila* Research Conference, San Diego, CA, USA; March 29- April 2, 2017.

Lal, R., Expert Lecture, “*Biotechnology: Introduction, Advances and Career Options*”, National Conference on “Advances in Basic and Applied Sciences (ABAS-2017)”, School of Basic and Applied Science, Career Point University, Hamirpur; 7<sup>th</sup> April, 2017.

Lal, R., Guest Lecture, “*Combating antibiotic resistance against Tuberculosis*”, in one-day ASM-CME on “Antibiotic Resistance: Renewed Fears” at Multipurpose Hall, India International Centre, New Delhi; 16<sup>th</sup> April, 2017.

Lal, R., “*Role of Computational Biology in Microbiology*”, ISME Ambassador Meet and Workshop - 2017 on “Hands on to Computational Biology for (Meta) Genomics Analysis” at KIIT, Bhubaneswar; 03 May, 2017.

Lal, R., Chief Guest Address, “*Unlimited World of Microbes with Limitless Applications*” in Add-on Course on “Biotechcellence: Insights and Innovations”, Gargi College, University of Delhi; 23 August, 2017.

Lal, R., “*New twist in microbiology in the light of metagenomics: Vision for Future*” and “*A journey from bacterial polyphasic approach to genomics and metagenomics*”, MSM Metagenome informatics workshop, Malaysian Society for Microbiology, School of Biosciences and Biotechnology, University Kebangsaan, Malaysia; 13 – 16 September, 2017.

Lal, R., “*Can we do biology without microbiology*”, Miranda House College, University of Delhi; 18<sup>th</sup> September, 2017.

Lal, R., Plenary Lecture, “*Metagenomic analysis of stressed bacteria and genes from the hexachlorocyclohexane (HCH) dumpsite and Manikaran hot springs*”, INSCR International Conference, University of Delhi; 27<sup>th</sup> September 2017.

Lal, R., Guest Lecture, “*Reaching the Unreached through Genomics and Metagenomics*”, National Conference on Biotechnology: Exploring through Innovations (BETI), Department of Biotechnology, Central University of Haryana, Mahendergarh, 13<sup>th</sup> November, 2017.

Lal, R., “*Reaching the Unreached through Genomics and Metagenomics*”, DBT-sponsored Short-Term Training Course on “Application of metagenomic tools for bioremediation towards environmental restoration”, Amity Institute of Biotechnology, 14<sup>th</sup> November, 2017.

Lal, R., “*Role of Computational Biology and Bioinformatics in Microbiology*”, ISME-AMI-INSCR Pre-conference workshop, Babasaheb Bhimrao Ambedkar University, Lucknow; 16<sup>th</sup> November, 2017.

Lal, R., Invited Lecture, “*Metagenomic approaches to evaluate soil biodiversity and productivity*”, 58<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium of Sustainable Development: Scope and Applications (MSDSA-2017), Baba sahib Bhimrao Ambedkar University, Lucknow; 18<sup>th</sup> November, 2017.

Lal, R., Keynote Lecture, “*Genetic manipulation of polyketide synthase gene cluster of Amycolatopsis mediterranei S699 produce rifamycin B analogs*”, 86<sup>th</sup> Conference of Society of Biological Chemists, Convention Centre, Jawaharlal Nehru University, New Delhi; 19<sup>th</sup> November, 2017.

Lal, R., Plenary Lecture, “*Reaching the Unreached through Genomics and Metagenomics*”, 2<sup>nd</sup> Himachal Pradesh Science Congress (HPSC), Science and Technology for Sustainable Livelihood in Indian Himalayan Region organised by Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE), Shimla; 20<sup>th</sup> November, 2017.

Lal, R., Invited Lecture (Mentor), “*Scientific Innovations that changed the world and India: Then (Before 1990) and Now*”, 6<sup>th</sup> DST-INSPIRE Internship Camp, Punjab University Campus, Chandigarh; 21<sup>st</sup> November, 2017.

Lal, R., Inaugural lecture, “*Exploring the Unseen and Unreached through Genomics and Metagenomics*”, Training course on “Microbial Systematics V2.0”, Microbial Type Culture Collection and Gene Bank (MTCC), CSIR-Institute of Microbial Technology (CSIR-IMTECH), Chandigarh; 11<sup>th</sup> December, 2017.

Lal, R. “*Microbiome: Exploring the role of microbiota in environmental cleaning, bio-product formation and human health*” Plenary Lecture, UGC National Conference on “Current Trends in Biological Sciences-II (CTBS-2018)”, Post Graduate Department of Biosciences, Sardar Patel University, Gujarat; 9<sup>th</sup> February, 2018.

Lal, R. “*Role of Computational Tools in Biology: Can we do biology without Computational Tools and Microbiology?*”, Workshop on “Computational biology and its role in genomics and metagenomics”, Life Sciences Society, Hansraj College, University of Delhi, Delhi; 15<sup>th</sup> February, 2018.

Lal, R. “*Microbiome: Exploring the role of microbiota in environmental cleaning, bio-product formation and Human health*”, Invited Lecture, 30<sup>th</sup> All India Congress of Zoology and National Seminar on ‘Advances in Zoology for Sustainable Development’, Department of Zoology, Kurukshetra University, Kurukshetra; 16<sup>th</sup> February, 2018.

Lal, R. “*Management of Research, Laboratory, and Students: Our Experience*”, Symposium on “Safety measures and Laboratory Ethics”, Acharya Narendra Dev College, under DBT Star College scheme; 21 – 22<sup>nd</sup> February, 2018.

Lal, R. “*Beyond DNA Barcoding: Microbial Fingerprints through Genomics and Metagenomics*”, Inaugural Lecture, “Hands on Training on “DNA Barcoding in Assessment of Faunal Diversity”, Zoological Survey of India, Headquarters, Kolkata; 5<sup>th</sup> March, 2018.

Lal, R. “*The Emergent Microbiome: A Revolution in Biological Sciences*”, in Recent Trends in Biology-2018 Department of Zoology, Savitribai Phule Pune University, Ganeshkhind, Pune; 23<sup>rd</sup> March, 2018.

Lal, R. “A new science of Microbiome: Implications in health, environment cleaning and industry” Guest Lecture, Sardar Bhagwan Singh Post Graduate Institute of Biomedical Science and Research, Dehradun; 30<sup>th</sup> March, 2018.

Lal, R. “From ciliate protozoans to bacterial diversity, genomics and metagenomics”, Inaugural Lecture, International Symposium on Ciliate Biology (ISCB-2018), Indian Habitat Centre, New Delhi organised by Khalsa College, University of Delhi; 4 April, 2018.

Negi, R.K., Chaired session in International Conference on “Science & Technology for Sustainable Livelihood in Indian Himalaya Region”; at Himachal Pradesh Council for Science and Technology and Environment 20 - 21 November, 2017.

Negi, R.K., Chaired Session, in International Conference (IIC-2017) on “Role of microbe-plant-animal interaction in human” organised by Department of Zoology, University of Delhi under banner INSCR; 26 - 28 September, 2017

Patil, B.V., Hanchinal, S.G., Khan, Z., Zarin, M., Haveri, R.V., Chandrashekhar, Yelshetty, S., and Seth, R.K., “Ascertaining the efficacy of gamma radiation on the flower webber, *Marucavitrata* (Fabr.) (Lepidoptera: Crambidae) to establish Inherited Sterility technique for the management of this pigeonpea pest in India”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26<sup>th</sup> May, 2017.

Rana, M., and Basu-Modak, S., “Immunohistochemical analysis of angiogenic factors in mid- and late-gestation mouse embryos and placenta” International Congress of Cell Biology, Hyderabad; 27 – 31<sup>st</sup> January, 2018.

Rawat, K., Kumari, R., and Shrivastava, A., “Taming cancer with *Tinospora*-mediated immunomodulation: potential role of neutrophils”, National Conference on "Diseases and Drugs: Emerging Trends and Challenges", Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31 -February 1, 2018.

Saksena, K., Shrivastava, A., and Kant, R., “Chiral analysis of ascorbic acid in bovine serum using ultrathin molecular imprinted polyaniline/graphite electrode”, International Conference on Emerging trends in Drugs Development & Natural Products (ETDNNP-2018) Department of Chemistry, University of Delhi; 12-14 January 2018.

Seth, R.K., Khan, Z., Rao, D.K., Zarin, M., and Seth, R., “Sperm behavior as a key tool ensuring operative efficiency of radio-genetic ‘F<sub>1</sub> Sterility technique’ for population suppression of an economically serious Indian pest, *Spodopteralitura* (Fabr.) (Lepidoptera: Noctuidae) in lab and field simulated cages”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques, (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26 May 2017.

Seth, R.K., Patil, B.V., Haveri, R.V., Hanchinal, S.G., Zarin, M., Khan, Z., and Seth, R., “Establishing a generic radiation dose as post harvest phyto-sanitary treatment against bruchid species (*Coleoptera: Chrysomelidae*) infesting legumes”, Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria; 22–26 May 2017.

Seth, R.K., Singh, K., Singh, C.K., and Lanbiliu, P., “Ascertaining certain parameters that may influence reproductive fitness of moths to be employed in radio-genetic F<sub>1</sub> Sterility technique for suppression of a noctuid pest, *Spodoptera litura* (Fabr.)”, II FAO/IAEA Research Co-ordination Meeting on CRP, “Improved Field Performance of Sterile Male Lepidoptera to Ensure Success in SIT Programmes”, Palmerston North, New Zealand; 12 - 16 March, 2018.

Shrivastava, A., Resource person in a two-day seminar/workshop on "Immunology at a Glance", Department of Zoology under MHRD's scheme of teaching and learning center of S. P. Pune University, Pune; 1 – 3 March 2018.

Singh, A., Aditi, K. and Agrawal, N., “Deciphering the role of key metabolic genes regulating lipid homeostasis in *Drosophila* model of Huntington’s disease”. 59<sup>th</sup> Annual *Drosophila* Research Conference, Philadelphia, USA; 11-15 April, 2018.

Shrivastava, A., “*Crosstalk between cancer and immune system: a link with great potential*”, National Conference on "Diseases and Drugs: Emerging Trends and Challenges" Department of Zoology, Zakir Husain Delhi College, University of Delhi, New Delhi; January 31 -February 1, 2018.

Tripathy, M., and Rai, U., “*Growth/Differentiation factor 9 in the ovary of wall lizard: Its probable role in folliculogenesis.*”, International Symposium on Recent Advances in Comparative Endocrinology, Madras Christian College, Chennai; November 29 – December 1, 2017.

Lal, R., “*Exploring the Unseen and Unreached through Genomics and Metagenomics*”, Continuing Education Program on “Genomics and Proteomics: Methods and Applications”, Department of Molecular Biology, Defence Institute of Physiology and Allied Sciences, DRDO, Delhi; 28 November 2017.

Lal, R., “*Role of Computational Biology and Bioinformatics in Microbiology*”, Workshop on “Hands on to Computational Biology for (Meta) Genomics Analysis” jointly organised by Department of Environmental Studies and Department of Zoology, Department of Zoology, University of Delhi; 22 November 2017.

### **Other Institutional collaborations**

Prof. Rup Lal: DBT funded project in collaboration with The Energy and Resources Institute (TERI), National Botanical Research Institute (NBRI), Indian Institute of Toxicology Research (IITR) and Ramjas College, University of Delhi.

Prof. Rina Chakrabarti: DBT, India – BBSRC, UK (2016-2017) “Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients”. Collaborators: India- Goa University, Kerala University of Fisheries, Delhi Technological University; UK: University of Stirling, Scottish Association for Marine Science; Africa: Sokoine University of Agriculture, Aqua cultural Association of Kenya, State Department of Fisheries.

### **Extension and outreach activities**

Prof. Shibnath Mazumder: Conducted a one-day workshop on Fish Immunology under aegis of DBT-Star College Program on 04.03.2018 at Handique College, Guwahati.

Prof. Rina Chakrabarti: Participated as a Fishery expert in the discussion on “Health Management of Fishes in Winter” on DD Kisan channel, Govt. of India on November 1, 2017.

Prof. Rina Chakrabarti: Participated as a Fishery expert in the discussion on “Animal Health Management in Rainy Season” on DD Kisan channel, Govt. of India on July 21, 2017.

Prof. Alok C. Bharti and Prof. Anju Shrivastava: Organised “Women Health and Cancer Awareness Camp” with AOGIN-India and Miranda House at Delhi University Women’s Association, University of Delhi on April 7, 2017.

Prof. Umesh Rai: Organised a one-day hands-on training programme on animal (rodents) handling, maintenance and breeding. Endocrine glands were demonstrated and experiments were shown to understand hormonal control of various physiological functions. Students of B.Sc. (H) Zoology from Maitreyi College and Zakir Husain Delhi College attended the programme under the leadership of Dr. Brototi Roy (Maitreyi College) and Dr. Sunil Kumar (Zakir Husain Delhi College).

**M.Phil. / Ph.D. Awarded:** Ph.D. – 26; M.Phil. – 8

### **Faculty Strength**

Permanent – 18

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## **FACULTY OF SOCIAL SCIENCES**

### **ADULT, CONTINUING EDUCATION AND EXTENSION**

#### **Major Activities and Achievements**

The Department is part of the Faculty of Social Sciences since 1985. It has its beginning in 1978 as a Cell. The Department offers M.A. in Lifelong Learning & Extension. It also has M. Phil and Ph.D programmes. The Department has an agreement with the University of Wurzburg, Germany for faculty and students



exchange programme. Under this agreement the first batch of 6 students, second batch of 11 students, 10 students and 4 students with a faculty attended on each occasion in 2015, 2016, 2017 and February 2018. The Students of Wurzburg University also visited Department of Adult Continuing Education & Extension University of Delhi in Autumn School, September, 2017. Department has developed a unique programme of short-term courses for students and community people to pursue their personal interests and to promote skill training. Some of its popular courses are Travel & Tourism and Counseling and Guidance.

### Honours/Distinctions

Prof. V. K. Dixit has been appointed as Dean, Faculty of Social Sciences

Prof. V. K. Dixit has been appointed as Standing Committee, Academic Council, University of Delhi, 2018

Prof. Prakash Narayan and Prof. Rajesh, visited as Mentors in University of Wurzburg, Germany in February 2018.

4 students participated in Winter Workshop, University of Wurzburg, Germany in February, 2018.

Prof. J. P. Dubey was appointed honorary Director in Delhi School of Journalism.

Department setup a Council & Guidance Centre for Transgender Community for DU Admission 2018.

### Publications

Chauhan, A., Bak, H., Subbaswamy, S., & Dixit, V. K. (2017). Lifelong Learning and Skill Development policies and Programmes: A Competition between India and South Korea. In R. Egetenmeger & M. Fedeli (Eds.), *Adult Education and work contexts: International perspectives and challenges, comparative perspectives from the 2017 Wurzburg Winter school*, (p. 41-60), New York, USA: Peter Lang GmbH.

Rajesh & Nitish. (2018). Innovation and opportunities to Marginalized Group in India, Experiences of Community Learning Centres. *India Journal of Adult Education*, 9(3), 104-120.

Rajesh. (2017). Paradigm of Social Defence and Elderly population in India. *National Institute of Social Defence*, 1(2), 1-16.

Rajesh. (2017). Transgender – The third Gender from Social Exclusion to employability in India in social Defence. *National Institute of Social Defence*, 313-32.

Dubey, J. P. (2017). Professional Competence in Higher Education: Advocacy for Lifelong Learning in Higher education Quality management & social responsibility. In S. S. Rawat (Ed.), (pp 1-13). Agra, UP: Rakhi Publication.

Sisodia, V., & Anand, N. (2017). Practicum in higher education. *International Journal of Multidisciplinary Educational Research*, 6(6), 139-154.

Srivastava, S., & Sisodia, V. (2017). A study on substance abuse among Young Adults in University of Delhi, North Campus. *International Journal of Multidisciplinary Educational Research*, 6(6), 139-154.

Sisodia, V., & Goswami, D. (2017). Understanding socio-economic conditions of Rickshaw pullers of Delhi after introduction of E-rickshaws. *Indian Journal of Adult Education*, 8(02), 40-51.

### Research Projects

S. No.	Funding Agency	Name of Projects	Year	Grant Received
1	UGC (Indo-German Partnership in Higher Education at German Academic Exchange Service (DAAD) and University Grants Commission (UGC)	<i>Adult and Life Long Education: India and German Insights</i>	2016-2020	€ 118140/- (Rupees 88,00,000/-)

### Seminars Organised:

Autumn School 16<sup>th</sup> – 30<sup>th</sup> September, 2017

### Seminar/Conference Presentations

International Conference on Lifelong Learning & Adult Education Professionals, Feb. 16-17, 2018 in Wurzburg, Germany Deputed by the University of Delhi.

Prof. Rajesh was a Chief Guest in International Conference on History, Culture and Literature - reading the Margin organised by English Department and Department of English - Swami Shradhanand College on 24 - 28 feb 2017.

Invited lecture in Kalindi College on Career Counseling and Life Skills Building on 28.2.2017.

Prof. J. P. Dubey gave a Key Note address on Rural Development & Extension on 22<sup>nd</sup> Feb, 2017, Jammu University.

Participated in Two day National seminar on Lifelong Learning and Sustainable Rural development on 22-23 February 2017 at University of Jammu.

Vandana Sisodia and Shweta Tiwari presented on Role of ICT in creating awareness about women right in National seminar on women rights and responsibilities in progressive India: A discourse, March 23-24 2017 at Department of Journalism Kalindi college, University of Delhi. March 2017.

Participated and judged paper presentation of pupil teachers. National seminar on "Empowering teachers as ambassador of changing in fostering discipline in students" February 21<sup>st</sup> 2017 at Amity Institute of Education, Saket, New Delhi.

Vandana Sisodia presented a paper on A study of awareness about "Swachh Bharat Mission among students of University of Delhi, North Campus at Third National Symposium on Environment challenges :Generation next, March 31, 2017 held at Desh bandhu College, University of Delhi

Participated and judged paper presentation of pupil teachers. National seminar on "Empowering teachers as ambassador of changing in fostering discipline in students" February 21<sup>st</sup> 2017 at Amity Institute of Education, Saket, New Delhi.

Participated in National seminar on women rights and responsibilities in progressive India: A discourse, March 23-24 2017. Department of Journalism Kalindi college, University of Delhi. March 2017.

Participated in Third National symposium on Environmental challenges: Generation Next, March 31<sup>st</sup> 2017 Deshbandhu College, University of Delhi.

Participated in National Conference on Teacher education: Current scenarios and future possibilities, at CIE, Department of education, and University of Delhi. March 10 -11, 2017

#### **National/International MoUs Signed**

Yes, Indo German Project MoUs with JM University, Wurzburg, Germany

#### **Students under Exchange Programme**

Yes, with JM University, Wurzburg, Germany

List of selected students for visit to University of Wurzburg Germany 2016-17 (Faculty Prof V K Dixit)

S. No.	Name	Course	Category
1	Anil Kumar	M.A. Part- I	OBC
2	Donika Arora	M.A. Part –II	OBC
3	Jaskirat Kaur	M.A. Part – I	GEN
4	Nidhi Sharma	M.A. Part – I	GEN
5	Nirmal Kaur	M.A. Part – I	SC
6	Rajneesh Jindal	M.A. Part – I	Gen
7	Ashok Kumar	Ph.D.	OBC
8	Bharti Meena	M.Phil	ST
9	Nidhi	Ph.D.	GEN
10	Nitish Anand	M.Phil	GEN

List of Selected students for Visit to University Wurzburg Germany (Prof. Prakash Narayan and Prof. Rajesh)

S. No.	Name	Course	Category
1	Kamal Singh Rathore	M.A. LLL (Sem. IV)	Gen.
2	Pooj Yadav	M.A. (Sem. II)	OBC
3	Abhishek Kumar Mishra	M.Phil	Gen.
4	Rohit Nainwal	M.Phil	SC

### **Extension and Outreach Activities**

The importance of building up an understanding with respect to the 'context of content' is reflected in the field work practicum of the Department of Adult Continuing Education & Extension. Paying attention to its extension activities the Department believe in working in close relationship with the community and the organizations working in these communities. Over the past many years the Department has built up the understanding of mutual concerns with NGOs and civil society organizations to facilitate its students. Practical experience along with academic knowledge is well reflected in its intervention programs. Students are visiting the following civil society organizations for internship and concurrent field work programme.

### **Number of M.Phil./Ph.D. Degrees Awarded**

Ph.D.: 06 (2017-2018)

M.Phil: 05 (2017-2018)

### **Faculty Strength**

Permanent - 06

### **Other Significant Information**

International Autumn School – 2017

The Department provides a Five year integrated course in Journalism

The Department also provides a One year post Graduate Diploma in Cyber Security & Law.

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## **AFRICAN STUDIES**

### **Major activities and achievements**

The Department of African Studies, University of Delhi founded on 6<sup>th</sup> August, 1955 celebrated its fifty years of establishment in 2005. The Department, established by the First Prime Minister of India (Late) Pandit Jawaharlal Nehru, specializes in History, Politics, Society, Economy, Geography and Literature on African affairs.

The Department is actively engaged in teaching and training the scholars to do research. The M.Phil. and Ph.D. scholars are trained to do research on the relevant issues and topics on Africa and produce quality research paper. Till date the Department has awarded M.Phil. degree to 403 scholars and awarded Ph.D. degree to 102 scholars. Besides, the Department also teaches Swahili, one of the major African languages spoken in Eastern Africa. Till today more than 200 students have been awarded Diploma and Certificate in Swahili Language. Many of them are engaged in the work of translation and interpretation for those who are doing their business in Africa.

In 2005, University Grants Commission (U.G.C.) established Center for African Studies within the Department. With the grants given by the UGC, the Department has been able to carry out its academic activities such as seminars, conferences and special lectures, apart from procuring books and journals for the Department Library. Besides, the grant was given to faculty members to visit Africa and acquire first hand field experience. Part of the grant was allocated to Ph.D. scholars to assist them financially to go to Africa for collecting data for the research.

The Department takes up projects from time to time depending on the availability. One of the projects the Department has taken up is Hashim Mbita Project, sponsored by Southern Africa Development Community (SADC) to work on India, NAM and its role in the liberation of Southern Africa.

The Department conducts in-depth study and research on selected issues in the various study groups it has set up such as study groups on India Africa Relations, study group on South Africa, Human Rights, Refugees and Sudan Study Units.

### **Publications**

Kumar, S. (2017). GST as a Game Changer. In A. Agarwal (Ed.), *Goods and Services Tax (GST) Impact on Indian Economy* (pp. 174-177). Delhi, India: New Century Publications.

India Opinion on Morocco-Cuba-Reactions, *MAPE* [0007] 24/04/2017 16h25: MAP 241525.

Babaji, H., & Kumar, S. (2017). *Small Arms Proliferation and Conflict in West Africa*. USA: Lambert International Publications.

Hindi Aur Swahili Lok Kathaein, *Global Thought*, May 2017, ISSN No.2456-0898.

Pathak, V. (Ed.). (2018). *Imagining India as a Global Power: Prospects and Challenges*. London & New York: Routledge, Taylor & Francis.

Pathak, V. (2018). Indian Diaspora: A Strategic Asset for Indian Foreign Policy in the 21<sup>st</sup> Century. In S. K. Ragi, S. Sondhi & V. Pathak (Eds.), *Imagining India as a Global Power: Prospects and Challenges*, London & New York: Routledge, Taylor & Francis.

Kapoor, R. (2017). From Commodity Exchange to Cultural Diplomacy: A Case of Indian Ocean Trade Network. *Global Thought*, 12-18.

Kapoor, R., & Charan, G. S. (2017). Water-Sharing Dispute of the Nile River with Special Reference to Egypt. *Global Thought*, 184-191.

Kapoor, R., & Singh, G. (2017). Hindi aur Swahili lok-kathain: Vichar aur jeevan shaili ki smanta ka pradarshan. *Global Thought*, 192-195.

Kapoor, R. (2017). Cultural Affinities and commonalities between India and Ethiopia. *Extraordinary and Plenipotentiary Diplomatist* (Special Report).

Kapoor, R. (2017). Kya jalvayu samjhauta Africa ko jalvayu parivartan se utpan hui samasyaon se nijat dilane mein saksham ho sakta hai? *Navin Shodh Sansar*, 3(20), 298-300.

The Paris Agreement 2015 and African Perceptions. (2017). *Climate Change and Disaster Management*. Proceedings UGC, CPDHE, HRDC. Delhi: Shivalik Prakashan.

Kapoor, R., & Kapoor, S. (2017). African Prodonova, African Resilience and Africa Today. *Indian Journal of African Studies*, 22 (1&2), 109-125.

Dash, S. (2017). *Regional Resurgence in Africa: Prospects and Challenges of African Union*, New Delhi: Vij Books.

Dash, S. (2018). Mapping the Global Experience of Secularism: An Indian Perspective. In P. Singh (Ed.), *Politics for a New India: A Nationalist Perspective*, New Delhi: Rupa.

Dash, S. (2017). India-Africa Relations: Issues and Priorities. In S. K. Ragi, S. Sondhi & V. Pathak (Eds.), *Imagining India as a Global Power: Prospects and Challenges*, London & New York: Routledge.

## **Journals**

Dr. Gajendra Singh in *Global Thought*

Dr. Vidhan Pathak *The Signage and Diplomatist*

Dr. Sandipani Dash *Indian Journal of African Studies*.

## **Research Projects**

### **International Research Project**

Indian Council of Social Science Research-National Institute for the Humanities and Social Sciences (ICSSR-NIHSS) *International Joint Research Project on Religion, Yoga and Education in India and South Africa* (2016-2018) Prof. Suresh Kumar is the Chief Collaborator.

UNESCO Research Group on African and Brazilian knowledge, practices, education and histories in a Southern Perspective, Porto University, Brazil, 2012-Continue.

### **Seminars Organised**

Prof. R. Mukandala, Vice Chancellor, University of Dar-es-Salaam (UDSM), Tanzania spoke about "Contemporary Trends in African Politics" dated 9<sup>th</sup> October, 2017 at 11.30am

Dr. Davendra Rajawat, Chief executive Officer, Metro SDA Hospital Ltd. Kitwe, Zambia spoke about "Health and education System of Zambia", dated 23<sup>rd</sup> January, 2018.

Prof. Kenneth King, African Studies & School of Education, The University of Edinburgh, spoke about "Contemporary Africa" Dated 2<sup>nd</sup> February, 2018.

### **Conferences Organised (International)**

‘International Ambedkar Conclave: Constitution, Education, Skill Development, Economy and Entrepreneurship for SCs& STs’ held by the Forum of SC and ST Legislators and Parliamentarians at the Vigyan Bhawan, New Delhi on 27-28 November 2017.

Inclusive Tribal Congregation: Sharing Experiences of India and Africa, Hall No. 4, Vigyan Bhawan, Maulana Azad Road, New Delhi on 22<sup>nd</sup> February, 2018

### **Seminar / Conference Presentation**

Prof. Suresh Kumar presented a paper at International Conference of Indian Society for Indic Studies (InSIS) on Applied Ancient Wisdom for Transformational Leadership, 20-22 February 2018, Organised by DRPSECT, Vadodara, COL& SOL, University of Delhi. Topic: Self-Responsibility, Social Responsibility for Building a Creative Society through Yoga.

Prof. Suresh Kumar presented a paper at an International Seminar on Sharing Developmental Experience in Africa and Eurasia, 19 - 20 February 2018 organised by Centre for Central Eurasian Studies and Centre for African Studies. Topic: Development of Democratic Nationalism, Democratic Rights and Nation Building in Eritrea.

Prof. Suresh Kumar presented at an International Conference on CFP: Conference on South-South Cooperation: India-Africa partnerships for food security and capacity building, 23-24 January 2018 organised by Centre for African Studies, University of Mumbai & Gandhi-Mandela Centre for African Studies, Observer Research Foundation (ORF), Mumbai. Topic: Ethiopia Model of Agricultural Development and Role of Indian Public-Private Sectors.

Prof. A.S. Yaruigam presented a paper in International Conference on Asian Tycoons Investment on Land in Africa: Myth or Reality, 15-17 Feb., 2018 at Jamia Millia Islamia University, Delhi

Prof. A.S. Yaruigam presented a paper in the International Conference in Mumbai from 19-20, Feb., 2018 on PAN – African E-Network: From the Perspective of India – Africa Relation

Prof. A.S. Yaruigam presented a paper at National Seminar on Implementation of PAN – African E-Network: Challenge & Prospects at Madras University on 28<sup>th</sup> Feb., 2018. Prof. A.S. Yaruigam gave a special Lecture on “A Call to the Church for Social transformation” on 15-17<sup>th</sup> March, 2018, Manipur.

Dr. Ganjendra Singh presented a paper at International Seminar on Society and culture of Khoisan Community of South Africa on Sharing Development Experiences in Africa and Eurasia organised by Centre for Central Eurasian Studies & Centre for African Studies, University of Mumbai and Observer Research Foundation Mumbai at University of Mumbai on 19-20th February, 2018.

Dr. Ganjendra Singh presented a paper at International Seminar on Revisiting Gandhi and Ambedkar title “Gandhi and his Satyagraha in South Africa on 24<sup>th</sup> October, 2017 at Satyawati College, University of Delhi.

Dr. Gajendra Singh presented a paper and participated in International Conference on “Value, Ethics & Society of Pastoral Community of East Africa” on 22<sup>nd</sup> February, 2018 at Vigyan Bhawan, New Delhi.

Vidhan Pathak, “Russia–Libya Relations: A Geostrategic Perspective” paper presented in International Seminar on Sharing Development Experiences in Africa and Eurasia organised by Centre for Central Eurasian Studies & Centre for African Studies, University of Mumbai and Observer Research Foundation Mumbai at University of Mumbai on 19-20th February, 2018.

Vidhan Pathak, “Idea of Integral Humanism: Relevance for the Contemporary World” paper presented jointly in National Conference on *Integral Humanism: A Vision and Mission* organised by Department of Political Science, Maharaja Agrasen College, University of Delhi in association with Indian Council of Social Science Research (ICSSR) on 5-6<sup>th</sup> January, 2018.

Vidhan Pathak, chaired a Session on “Effect of International Migration at Origin and Destination” in international Conference on “Transnationalism, Culture and Diaspora in the Era of Globalisation” organised by Centre for Study of Diaspora, Central University of Gujarat, Gandhinagar on 21-23 February 2018 in Gandhinagar, Gujarat.

Vidhan Pathak delivered two lectures on November 29 & 30, 2017 in a two-week “Research Methodology Workshop for Social Science Faculty Members” from November 17- 30<sup>th</sup>, 2017 organised by Indira Gandhi National Tribal University (A Central University), Regional Campus, Manipur sponsored by Indian Council of Social Science Research (ICSSR), New Delhi.

Dr. Rashmi Kapoor presented a paper on ‘Paris Agreement and impacts of climate change on rivers: A comparative study of the Nile river and the Indus river’ at the two day National Seminar on Adaptation and

Implementation of Paris Agreement : National Initiatives towards “ Climate Change Mission” organised by the Department of Geography, Shaheed Bhagat Singh Evening College, University of Delhi, Sheikh Sarai Phase – II, New Delhi – 110017 held on April 21-22, 2017. Co-presented with Mr Gajendra Singh Charan.

Dr. Rashmi Kapoor, ‘Environment Sustainability and Conservation in Africa: Revisiting Traditional African Knowledge.’ Paper presented at National Seminar on ‘Environment Sustainability and Conservation: Issues and Challenges in 21<sup>st</sup> Century” on 15 November 2017 at Satyawati College (Evening), (University of Delhi), Ashok Vihar Phase – III, Delhi-110052.

Dr. Rashmi Kapoor, “Seven decades of the Partition: Unsettled Emotions and Entangled Identities.” Paper presented at the National Seminar on ‘Decoding the Partition L(i/a)nes: Reflections on Language, Literature, and Culture’ jointly organised by Kirori Mal College, University of Delhi, Delhi and National Council for Promotion of Sindhi Language, MHRD, Govt. of India held on 6-7 February 2018.

Dr. Rashmi Kapoor, “Understanding the Nature of Impact of Weather Conditions and Other Pollutants on the Air Quality: A Statistical Model.” Paper presented at the International conference on ‘Advancing Green Chemistry: Building a Sustainable Tomorrow’ jointly organised by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi, Delhi, held on 3-4 October 2017. Co-presented with Dr S. Kapoor.

Dr. Rashmi Kapoor, “Changing occupational patterns of transhumance pastoralists: A comparative study of the Maasai tribe of East Africa and the Gaddi tribe of Himachal Pradesh in India.” Paper presented at the International conference on ‘Inclusive Tribal Congregation: Sharing Experiences of India and Africa’ jointly organised by the Forum of SC and ST Legislators and Parliamentarians and the Department of African Studies, University of Delhi, Delhi, held on 22 February 2018 at Hall No 4, Vigyan Bhawan, Maulana Azad Road, New Delhi-110003.

India’s Rising Global Stature in the 21<sup>st</sup> Century: Contextualising in India’s External Relations with Africa.” Paper presented at the at International Conference on ‘21st Century India: Interrogating Social Economic, Political and Environmental Processes’ Organised by B.A.(Prog.) Society, Satyawati College (Evening) University of Delhi. Delhi held on 24<sup>th</sup> – 25<sup>th</sup> April 2018.

Dr. Sandipani Dash presented on India-Africa Partnership on Traditional Medicines: Sharing Tribal Experience, International Conference “Inclusive Tribal Congregation: Sharing Experiences of India and Africa”, Dept of African Studies, University of Delhi, Vigyan Bhawan, 22 February 2018

Dr. Sandipani Dash presented in Energy Partnership Nigeria-Russia Conference “Sharing Developmental Experience in Africa and Eurasia”, Centre for African Studies, University of Mumbai, 19-20 February 2018

#### **Number of M.Phil / Ph.D Degree Awarded**

Ph.D.: 01

M.Phil.: 13

#### **Faculty Strength**

07

#### **Other Significant Information**

Swachh Bharat Abhiyan

Yoga Divash

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### **DELHI SCHOOL OF JOURNALISM**

Delhi School of Journalism, the dream project of the Hon'ble Vice Chancellor of University of Delhi was established on 26<sup>th</sup> September 2017. The inauguration of the academic session of Delhi School of Journalism by the Hon'ble Vice Chancellor Prof. Yogesh Tyagi took place on 26<sup>th</sup> September 2017.

An orientation week was conducted where eminent personalities from the Media were invited to interact with the students. Media personalities from BBC, 93.3 FM and Zee Network were involved in the interactive sessions.

Delhi School of Journalism was formally inaugurated by the Hon'ble Vice President of India Shri Venkaiah Naidu on 21<sup>st</sup> December 2017 and he released the first bilingual student magazine of the school called 'Srijan'. The first Advisory Council meeting under the Chairmanship of Shri Ram Bahadur Rai ji was held on 21<sup>st</sup> December 2017, which was attended by eminent members Dr. Swapan Dasgupta, Shri K.G Suresh, Prof. Irfan Ahmad, Prof. Arun Bhagat and Shri Satish K Singh.

### **Honours/ Distinctions**

Dr. Manasvini M. Yogi (OSD) was awarded the Life Time Achievement award for contribution to the field of Mass Media and Mass Communication by 'Venus International Women Association on 3<sup>rd</sup> March 2018 at Chennai .

An award for contribution to academics by Prachi Education Society on 8<sup>th</sup> March 2018 at a function at IIC New Delhi.

### **Journals / News Magazine**

'Srijan' released on 21<sup>st</sup> December 2017.

Editorial Board-

Dr. Manasvini M Yogi

Dr. Albert Abraham

Dr. Rudresh Narayan Mishra

### **Seminars Organised**

Sixteen seminars by eminent Media Personalities, Media Channels and Academicians were organised w.e.f 3 October 2017-31 March 2018 on various topics –

Shri Atul Kothari and Prof. Arun Bhagat – Prof. Makhanlal Chaturvedi University spoke on the topic '*Ethical and Professional aspects of Journalism*', 29<sup>th</sup> September 2017.

Prof. Roma Chatterji – Head Department of Sociology, University of Delhi, spoke on the topic '*Sociology of Art, Folklore and Communication*,' 6<sup>th</sup> October 2017.

Dr. Archana Dutta – Former DG (News), AIR, News Broadcasting House. Former DG, (News), Doordarshan, Mandi House at All India Radio New, spoke on the topic '*Challenges of Media*'. 28<sup>th</sup> October 2017.

Shri K.G Suresh – Director General IIMC- spoke on the Topic '*Journalism*', 11<sup>th</sup> November 2017.

Shri Ambrish Saxena – Academic Head Zee Television, spoke on the topic '*Careers in Media*', 25<sup>h</sup> November 2017.

Shri Pervaiz Alam – Dean Department of Mass Media and Mass Communication, Satya Apeejay University, talked on the topic '*Journalism in the Digital Era*', 6<sup>th</sup> January 2018.

Shri. Harsh Ranjan – Editorial Consultant Zee Hindustan, talked on the topic '*Digital Media*', 17<sup>th</sup> February 2018.

Prof. Bidyut Chakravarty, Department of Political Science, University of Delhi, gave a talk on the topic '*Media and Polity*', 24<sup>th</sup> February 2018.

Essel Group, organised a seminar on '*Virtual Reality*' on 24<sup>th</sup> March 2018.

Shootguru, organised a seminar on '*Photography and Digital Film making*', 31<sup>st</sup> March 2018.

### **Faculty strength**

Two full time faculty on contract and fourteen guest faculty from colleges of the University of Delhi.

### **Other significant Information**

Students participated in the run for unity on 31<sup>st</sup> October on the occasion of Sardar Vallabh Bhai Patel Birth Anniversary.

Four students covered the University Convocation held on 18<sup>th</sup> November 2017.

Ten students participated in a National Science Conference held at ILL for three days w.e.f 27-29 December 2017. Twenty students took part in an intra class debate on "Cleanliness is the path to progress" sponsored by Delhi Public Library.

Department Students also participated in Intercollege Debate, Quiz and Photography Competitions organised by different colleges of University of Delhi and won many prizes

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## EAST ASIAN STUDIES

**Major activities and achievements:** The Department offers post graduate courses in M.A. in East Asian Studies, M.A. in Japanese and Ph.D. in East Asian Studies. The Post-graduate courses in the Department focus on an inter-disciplinary approach to the study of the region. Language is a compulsory component of this program and students learn one of the three East Asian languages viz. Chinese, Japanese or Korean. This program enables students to have comprehensive and integrated knowledge of the subject and the language concerned. It aims to create experts on East Asia who could work in Think tanks, NGOs, government agencies, International Organizations, Newspaper Agencies etc.

Further, the Department offers two years of Post Graduate Diploma and Advance Diploma Courses in Chinese, Japanese and Korean languages. Students who complete these courses get absorbed in companies in and outside India. The highlight of this year has been signing of MoUs. Prof. Joyce C.H. Liu, Visiting Faculty from Taiwan was sent to the department under the MoU signed. Renowned speakers were invited for Monday seminars and conferences. Many faculty members presented research papers in National and International Conferences. Meritorious students got scholarships to go to China, Taiwan and Japan for higher studies. A large number of students got placement through the Placement Cell of the Department.

### Publications

Balatchandirane, G. (2017). *The Roving Indian and Stagnant Japan*. Occasional Paper No.2 of the Occasional Paper Series of the Department of East Asian Studies University of Delhi. December - 2017.

Balatchandirane, G. (2018). Higher Education in India and China: Game Changer or Opportunity Lost? In S. Chakrabarti (ed.) *Higher Education in India and China: Select Perspectives*, (PP.74-104). Delhi: Aakar Books.

Balatchandirane, G. (2018). Not without blood, sweat and tears: Peasant farming in prewar Japan, *China Report*, 54(2), 194-212.

Unita, S. (2017). Japanese Literature in Translation and Research in India with special reference to Ishikawa Takuboku. In P. A. George (ed.), *Japanese Literature in Indian Translations: Issues and Challenges*, (pp.136-155).

Unita, S. (2017). Bridging Ties between India and Japan through Literature with Special Reference to Ishikawa Takuboku. In G. Keeni (Ed.), *Rabindranath Tagore and Japan: Tagore and Japan & Various Aspects of Japanese Culture*. Visva-Bharati: Granthan Vibhaga.

Unita, S. (2017). Nahin Manta Haar Barish se bhi (Ameni mo makezu: A poem by Miyazawa Kenji). In P. A. George (Ed.), *Japanese Literature in Indian Translations: Issues and Challenges*, (P.226-227).

### Research Projects

ICHR-JSPS Joint research Project (2016-2018) “*Japanese Pilgrimages to Bodhgaya: Buddhist Revival Movements in India and Exchanges Between India and Japan*.” Mukhopadhyaya Ranjana, Amount Sanctioned 5 lakhs.

Programme coordinator and Unit writer, *Certificate Programme in Japanese*, Uttarakhand Open University, Haldwani, Project completed 2017, Sachidanand Unita.

Associated with the Project under UGC e-Pathshala as paper coordinator for two papers, “Hyakunin Isshu” and “Post War Japanese Literature”, 70 modules completed 2017, Sachidanand Unita.

### Seminars Organised

In total, 19 seminars were organised by the Department. To mention a few, the following are some of the seminars that took place this year:

Prof. Sharad K Soni, Director, UGC-Area Studies Programme, Professor J.N.U talked about “Realpolitik in Mongolia- China Relations” 17 April, 2017

Prof. Aya Ikegame, Associate Professor, Graduate School of Inter Faculty Initiative, University of Tokyo spoke on “Untouchability Compared: Political Experiences of Burakumin in Japan and Dalits (Adijans) in south Korea” 31 July, 2017

Prof. Akiyoshi INOUE, Kokugakuin University, Japan talked about “Occurrence and Significance of Naturalism in the History of Modern Japanese Literature” 17 August, 2017



Prof. Joyce C.H. Liu, professor, Chair, Institute of Social Research and Cultural Studies, Taiwan spoke on “Pax Sinica and the Lure of Confucianism: Coloniality of Epistemology and the Possibility of Border thinking” 28 August, 2017

Prof. David Arase, Professor, The Hopkins-Nanjing Centre, Johns Hopkins-SAIS talked about “How has US policy in East Asia changed under Trump?”, September 4, 2017

Dr. Narender Kumar, Deputy Librarian, University of Delhi, spoke about “Accessing E-resource on East Asia through DU Library Network”, September 11, 2017

Prof. Mizokami Tomio, Professor of Hindi, Osaka University, Japan spoke on “India-Japan Relations”, 06 November, 2017

Prof. Jaechun Kim, Sogang University, Korea and Prof. Joonkyung Ha, Hanyang University Korea talked about “The Inauguration of Moon Jae-in Government Korea Democracy, and Foreign Policy Challenges and Korea’s Growth Strategies: Implications for India’s Economic Development”, 16 November, 2017

Prof. Dibyesh Anand, Head, Department of Politics and International Relations, University of Westminster, United Kingdom spoke on “China India Border Imbroglio and the Tibet Question” 22 January, 2018

Amb. Deepa Gopalan Wadhwa, Former Diplomat, Govt. of India, talked about “Relation with Japan in a Historical to Present Day Perspective”, 19 February, 2018

### **Conference Organised**

National Workshop on “19<sup>th</sup> Chinese Communist Party (CCP) Congress: An Assessment” on October 30, 2017. Workshop on “The History of East Asia” on November 21, 2017 for College teachers.

### **Seminar/Conference Presentations**

Balatchandirane, G presented a paper on “The Migrant Indian and Ageing Japan” at the Seminar on ‘Emerging Trends in Globalisation and Regionalism’, Indian Council of World Affairs (ICWA), Sapru House New Delhi, February 7-8, 2018

Balatchandirane, G presented a paper on “Higher Education: East Asian countries” at the Symposium on Post XLI Indian Social Science Congress, “Indian University Education System: A Critical Appraisal” Satkayam Bhawan, Faculty of Social Sciences, University of Delhi, 17 February 2018

Balatchandirane, G presented a paper on “Historiography and new trends and approaches to Japanese history” at a workshop on ‘Modern East Asia’ Department of History, University of Delhi, 19 February 2018.

Kumar, Paresh presented a paper on “Teaching of Acquainted Culture of Korea in D. U. Syllabus” under the theme of ‘Korean Language Education in India and Korean Culture’ in 11<sup>th</sup> All India Korean Language Educators’ International Seminar 2017 at Mir Anis Hall, Jamia Millia Islamia, New Delhi, All India Korean Language Education in India (AKLEI), 25-26 August, 2017

Kumar, Paresh presented a paper on “Realism in short stories of Hyeon Jin-geon with special reference to ‘A Lucky Day’ in 1<sup>st</sup> AKS Interdisciplinary conference on the theme of ‘Emerging Trends in Korean Studies in India: An Interdisciplinary Perspective’, The Centre for Korean Studies (CKS), Jawaharlal Nehru University, 22-23 May, 2017

Kumar, Paresh presented a paper on “Analysis of social issues depicted in Hyeong Jin-geon’s Novella Unsu Joeun Nal (A Lucky Day)”, 2<sup>nd</sup> AKS Interdisciplinary International Conference on Emerging Trends in Korean Studies in South Asia: An Inter-Disciplinary Perspective, Kathmandu University Nepal, Centre for Korean Studies, Jawaharlal Nehru University, India in association with Kathmandu University and Tribhuvan University, Nepal supported by Academy of Korean Studies, Korea, 9-10 June, 2017

Sahu, Janardan presented a paper on “Taiwan’s South China Sea policy” International Conference on the South China Sea: Emerging Scenario, UGC Centre for Southeast Asian and Pacific Studies Sri Venkateswara University, Tirupati, 24-26 July 2017

Sahu, Janardan presented a paper on “Significance of 19<sup>th</sup> CCP: A Preliminary Assessment” National workshop on 19<sup>th</sup> CCP Congress: An Assessment, Department of East Asian Studies 30 October 2017

Sachidanand, Unit presented a paper on “Gods, Legends and Practice: Folk Experience in Garhwal”, Exploring Cultural traditions and Folklore of East Asia and India, Committee Hall, Convention Centre, JNU, 7-8 September, 2017

Sachidanand, Unita presented a paper on “Writing methods for Open mode of learning a foreign language.”, Making Text for Certificate Programme in Japanese Language, Indira Gandhi Open University, Uttarakhand Open University, Haldwani, 20-21 September, 2017

Sachidanand, Unita presented a paper on “Gender, Language and literature in Japan”, “Interlinking Linguistics and Literature-A Tool to ‘Read’ Japanese Literary Texts, Lecture Hall, Convention Centre, CJS, JNU, 3-4 November, 2017

Sachidanand, Unita presented a paper on “Language and Culture: understanding through Literature” Seminar on Teaching Methodology in Japanese Language Education, EFLU, Hyderabad, 8 March 2018

Sachidanand, Unita presented a paper on “The concept of Minimalism and Haiku in Japan”, An Evening of Haiku Poetry, India International Centre, New Delhi, The poetry Society (India) & IIC, 10 March, 2017

Sachidanand, Unita presented a paper on “The Poetic Journey of Matsuo Basho”, National Seminar on Japanese Language, Culture and Literature in Transition, 25 March, 2017

### **National/International MoUs Signed**

#### **National**

- MoU between University of Delhi and Taipei Economic and Cultural Centre, India

#### **International**

- MoU between University of Delhi and National Chung Cheng University, Taiwan, R.O.C.

### **Other Inter-Institutional Collaboration**

- Centre for Policy Research, New Delhi
- Institute of Chinese Studies, New Delhi
- Institute of Peace and Conflict Studies, New Delhi
- Jawaharlal Nehru University, New Delhi

### **Placement Details**

- Five Companies visited for campus recruitment
- 100% students got placements in Companies, Think Tanks, and Government Organisations or got admission in higher studies in India as well as in abroad.

### **Extension and Outreach Activities**

- Participated in All India Korean Speech Contest.
- Participated in Japanese Language JALTAI Essay Contest
- Celebrated Constitution Day
- Celebrated International Yoga Day
- Organised Vigilance Awareness Week
- Participate in Swachta Abhiyan
- Part Time Certificate, Diploma and Advanced Diploma courses in Chinese, Japanese and Korean are being conducted through various colleges of Delhi University.

### **Number of Ph.D./M.Phil awarded**

- Ph.D. - 1
- M.Phil - 7

### **Faculty Strength**

- Permanent- 13
- Ad-hoc 3
- Guest- 5
- Visiting Faculty- 4

### **Other significant information**

- Field Trip to Two Students, Three Faculty members to Japan, China and Taiwan
- Two students got scholarship to do research in Japan
- Two students visited Japan for 10 days under JENESUS Programme by Embassy of Japan
- One student participated in China: Second Asia Africa Youth Festival, 22-27 September 2017
- Two students got scholarship for Taiwan Elite Education Program (TEEP) National Kaohsiung Normal University, Kaohsiung, Taiwan from December 12, 2017- February 12, 2018.
- One student participated in China: Second Asia Africa Youth Festival, 22-27 September 2017
- One student got second prize in the Junior Category Essay Contest in Japanese language
- Post-Graduate students of the Department of East Asian Studies have placement opportunities in several Think tanks, namely, Vivekananda International Foundation, Institute for Peace and Conflict Studies, Institute for Defense Studies and Analyses, Observer Research Foundation, Centre for Air Power Studies, Institute of Chinese Studies, and Indian Council of World Affairs. Language students of our Department have opportunities for placement in several companies in and outside India namely, Vivo Mobiles, Liteon Technology Corporation, OPPO Mobiles, Hindustan Computers Limited, Mitsubishi Corporation, LG Electronics, Huawei Telecommunications, Samsung, American Express, Shinhan Bank, VFS Visa Services, Maruti Suzuki, and Oracles. There are various scholarships for students for higher studies in China, Taiwan, Japan and Korea, Shinhan Bank scholarships, Scholarship by M/s LG Electronics Ltd, Fellowship etc.
- Prof. Joyce C.H. Liu, Taiwan was sent to the Department as Visiting Faculty from 17.08.2017 to 31.08.2017 under the MoU signed between University of Delhi and Taipei Economic and Cultural Centre in India.

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## **ECONOMICS**

### **Major Activities and Achievements**

During the period April 2017 to March 2018, members of the department continued to contribute to the field of economics in significant ways. Several faculty members published their research works in leading national and international professional journals. They also participated in policy debates through writings in popular journals and produced two well-regarded economic forecasts. The department remains a UGC Centre of Advanced Study and for the sixth successive year it was ranked the highest amongst university economics departments in India by Repec, a global electronic archive of working papers and publications in Economics (<http://ideas.repec.org/top/top.india.html>). Faculty members also participated in several national and international conferences. During the year, the department organised two major international conferences and a weekly seminar series that brought in distinguished speakers from India and abroad to present their research.

The Department supports M.A., M.Phil. and Ph.D. programmes. In 2017-18, as many as 3883 students applied for the M.A. programme. The Department also continues to attract research students for its M.Phil. and Ph.D. programmes. A regular colloquium was organised for M.Phil. and Ph.D. students, at which research students presented their work in progress and faculty members lectured on research methods and ethics. Research students presented their work at professional conferences too.

The Department has been very successful in placing its Masters graduates in corporate jobs as well as in Ph.D. programmes in the top-grade universities abroad.

### **Honours/Distinctions**

- Prof. Ram Singh was appointed as Visiting Position: Department of Economics and South Asia Institute, Heidelberg University, Germany, 2017.
- Prof. Pami Dua was awarded with Distinguished Alumni Award, Lady Shri Ram College, University of Delhi, April 2017

## Publications

Bag, S. (2018). *Economic Analysis of Contract Law: Incomplete Contract and Asymmetric Information*. London: Palgrave Macmillan/Springer.

Bhattacharjea, A. (2016). Recent Trends in Mega-mergers in India and Lessons for Competition Policy: Insights from Merger Cases under the Competition Act. In C. Veeramani and R. Nagaraj (Eds.), *International Trade and Industrial Development in India: Emerging Trends, Patterns and Issues*. New Delhi: Orient Blackswan.

Bhattacharjea, A. & De, O. (2017). Anti-cartel Enforcement in India. *Journal of Antitrust Enforcement*, 5, 166-196.

Bhattacharjea, A. (2017). Sylvania's Indian Precursor and its Legacy. *Review of Industrial Organization*, 51(2), 173-191.

Bhattacharjea, A. (2017). Threshold Effects of Indian Labour Laws: A Critical Review of Some Recent Research. In U. Kapila (Ed.), *India's Economy: Pre-Liberalisation to GST: Essays in Honour of Raj Kapila*. New Delhi: Academic Foundation.

Bhattacharjea, A. (2018). Predatory Pricing in Platform Competition. In A. Bharadwaj, V. H. Devaiah and I. Gupta (Eds.), *Multidimensional Approaches Towards New Technology: Insights on Innovation, Patents and Competition*. Springer.

Bhattacharjea, A., De, O. & Gouri, G. (2018). Competition Law and Competition Policy in India: How the Competition Commission has dealt with Anticompetitive Restraints by Government Entities. *Review of Industrial Organization*.

Deshpande, A. (2016). Media citation: Forget the Glass Ceiling, Indian Women Must Worry about the Sticky Floor Instead, *Quartz*.

Deshpande, A., Desrochers, A., Ksoll, C. & Shonchoy, A.S. (2017). The Impact of a Computer-based Adult Literacy Program on Literacy and Numeracy: Evidence from India. *World Development*, 96, 451-473.

Deshpande, A. & Ramachandran, R. (2017). Dominant or Backward? Political Economy of the Demand for Quotas by Jats, Patels and Marathas. *Economic and Political Weekly*, LII(19), 81-92.

Deshpande, A., Goel, D. & Khanna, S. (2018). Bad Karma or Discrimination? Male-Female Wage Gaps among Salaried Workers in India. *World Development*, 102, 331-344.

Dua, P. & Suri, R. (2017). Exchange Rate and Central Bank Intervention in India: An Empirical Analysis. *The Journal of Developing Areas*, 52, 127-143.

Dua, P. & Kapur, H. (2017). Macro Stress Testing of Indian Bank Groups. *Margin: The Journal of Applied Economic Research*, 11, 375-403.

Dua, P. & Kapur, H. (2018). Macro Stress Testing and Resilience Assessment of Indian Banking. *Journal of Policy Modeling*, 40, 452-475.

Dua, P. & Suri, R. (n.d.). Inter-linkages between USD-INR, EUR-INR, GBP-INR and JPY-INR Exchange Rate Markets and the Impact of RBI Intervention. *Journal of Emerging Market Finance*.

Kumar, S. (n.d.). Air Pollution and Traffic Congestion in Urban India'. In G. Wan and M. Lu (Eds.), *Cities of Dragons and Elephants: Urbanization and Urban Development in the People's Republic of China and India*. Oxford: Oxford University Press.

Kumar, S. (n.d.). Urbanization and Water Supply and Sanitation in India. In G. Wan and M. Lu (Eds.), *Cities of Dragons and Elephants: Urbanization and Urban Development in the People's Republic of China and India*. Oxford: Oxford University Press.

Mittal, N. & Meenakshi, J.V. (2018). Does the ICDS Improve the Quantity and Quality of Children's Diets? Some Evidence from Rural Bihar. *Journal of Development Studies*.

Brauw, A. L., Eozenou, P., Gilligan, D., Hotz, C., Kumar, N. & Meenakshi, J. V. (2018), Biofortification, crop adoption and health information: Impact Pathways in Mozambique and Uganda. *American Journal of Agricultural Economics*. Doi: 10.1093/ajae/aay005. An earlier version of the paper appeared as HarvestPlus Working Paper 21.

Dang, A. & Meenakshi, J. V. (2018), The Nutrition Transition and the Intra-Household Double Burden of Malnutrition in India". In M. Helble and A. Sato (Eds.), *Wealthy but Unhealthy: Overweight and Obesity in Asia and the Pacific: Trends, Costs, and Policies for Better Health* (Asian Development Bank Institute).

Banerji, A. & Chowdhury, S., Groote, H.G., Meenakshi, J. V., Tomlins, K., Haleegoah, J. & Ewool, M. (2017). Eliciting Willingness to Pay through Multiple Experimental Procedures: Evidence from Lab-in-the-Field in Rural Ghana. *Canadian Journal of Agricultural Economics*.

Schäfer, H. B. & Singh, R. (n.d.). Takings of Land by Self-interested Governments: Economic Analysis of Eminent Domain, *Journal of Law and Economics*.

Cao, J., Mukherjee, A. & Sinha, U.B. (2018). Firm-asymmetry and strategic outsourcing. *International Review of Economics and Finance*, 53, 16-24.

Kabiraj, T. & Sinha, U. B. (2017). Outsourcing under Incomplete Information. *Indian Growth and Development Review*, 10(1), 3-15.

## Journals

- Indian Economic Review: published in-house by the Department since 1952. Transferred production to Springer in 2017.
- Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board - 6

## Research Projects

- NOPOOR Policy Brief No. 57: October 2017. “Standard of Living In Urban Slums: How To Measure, And Map Its Correlates – Evidences From Indian Metro Cities”. PI: Sugata Bag <http://www.nopoor.eu/publication/nopoor-policy-brief-nr57-standards-living-urban-slums-how-measure-and-map-its-correlates>
- ‘Responsible Innovation, ICT and Wellbeing’, Research Council of Norway (2016-18) PI: Surender Kumar

## Seminars Organised

### Total Number: 29

Raghul S Venkatesh, Aix-Marseille School of Economics presented on Information Transmission with Substitutability and Resource Constraints Date: Thursday, 8th March 2018 at 3:00 PM

Matthias Morys, University of York presented on Where does the Euro stand 10 years after the Global Financial Crisis of 2008? Date: Thursday, 8th February 2018 at 3:00 PM

Amartya Lahiri University of British Columbia and CAFRAL presented on Urbanization, Structural Transformation and Rural-Urban Disparities. Date: Thursday, 11th January 2018 at 3:00 PM

Chandril Bhattacharyya, Delhi School of Economics presented on Informality, Governance and Growth. Date: Thursday, 30th November 2017 at 3:00 PM

Shabana Mitra, IIM-Bangalore presented on Wheels of Power: Long-term effects of targeting girls with in-kind transfers. Date: Thursday, 23rd November 2017 at 3:00 PM

Monisankar Bishnu, ISI Delhi presented on Optimal Intergenerational Transfers and The Rise and Fall of Pay-As-You-Go Pensions. Date: Thursday, 18th January 2018 at 3:00 PM

Bhaskar Dutta, Ashoka University and University of Warwick presented on Coalition Formation and History Dependence . Date: Thursday, 14th September 2017 at 3:00 PM

Ashwini Deshpande, Department of Economics, Delhi School of Economics presented on Do Livelihood Programmes Empower Women? Evidence from Self-Help Groups in Rural India. Date: Thursday, 31st August 2017 at 3:00 PM

Dr. Federico Lupo-Pasini, Lecturer, International Business and Finance Law School of Law Queen's University, Belfast presented on Is Financial Nationalism on the Rise? A discussion on the logic of cooperation in international finance Date: Thursday, 24th August 2017 at 3:00 PM

Punrajit Roychowdhury, Department of Economics, Shiv Nadar University presented on Partial Identification of Economic Mobility: With an Application to the United States. Date: Thursday, 2nd November 2017 at 3:00 PM

## Conferences Organised

Two-day Workshop on Economics of ICTs (Information and Communication Technologies): Transformation, Digital Divides and Development on 22-23 February 2018. This workshop invites

researchers working in India and Asia to contribute on the economics of ICTs; with focus on India but also welcoming contributions on China or global perspectives. Selected papers will be published in an edited book or a special volume of a reputed journal.

**WINTER SCHOOL 2017:** Winter School 2017 was held over the period December 13-15, 2017. It featured lectures by four invited speakers – Avinash Dixit (Princeton University), Sanjeev Goyal (University of Cambridge), Jørgen Weibull (Stockholm School of Economics) and Timothy van Zandt (INSEAD) – and shorter research talks by young researchers (faculty and students) from around the world. The details of the various lectures and talks are available in the attached file Programme2017.pdf

**Kaushik Basu 65<sup>th</sup> Birthday Conference:** Professor Kaushik Basu turned 65 in January 2017. A one-day conference was organised on 17<sup>th</sup> December 2017 at the Delhi School of Economics to mark this occasion, and to celebrate and honour his intellectual contributions.

One-day workshop on ‘trade and development’, date: 23<sup>rd</sup> October 2017

Workshop on financial modelling and mathematics, May 3, 2017. The workshop covered areas of Wolfram Mathematica and the Wolfram Finance Platform that use functionality related to finance such as bonds, annuities, derivatives, trading charts, trading indicators, time series analysis, financial data and stochastic processes.

**Public Lectures 2017-18:** The Department of Economics organised a public lecture by Prof. Ramesh Chand on “Challenges before the Agriculture Sector and the Way Out”. This was held on March 26, 2018. And on “The Economic Survey 2018 & beyond: An Interactive Session” by Dr. Arvind Subramanian on March 22, 2018.

### **Seminar/Conference Presentations**

Bag, S. June, 2017. Paper titled “Understanding Standard of Living and Correlates In Slums: An Analysis Using Monetary Versus Multidimensional Approaches in Three Indian Cities” presented at International Conference on Economics and Development, June 2017 at Colombo, Sri Lanka.

Dua, P. 2018. “Phillips Curve in a Data Rich Environment: An Application of FAVAR to Indian Inflation”, Invited Lecture, 54<sup>th</sup> Annual Conference of The Indian Econometric Society, Shree Mata Vaishno Devi University, Katra.

Dua, P. 2017. “Protectionism and De – globalization”, Chair, Panel Discussion, Annual Research Conference of Department of Economic and Policy Research, Reserve Bank of India.

Dua, P. 2017. “Academics, Integrity, Research Conduct and Ethics”, Inaugural Address, Workshop on Advanced Research Methods, Department of Commerce, University of Delhi.

Dua, P. 2017. “Financial Inclusion and Digitisation”, Keynote Address, Jaipuria School of Business - Conference on Banking the Unbanked: Financial Inclusion in Digital India.

Goel, Deepti. December, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” 13<sup>th</sup> Annual Conference on Economic Growth and Development, *ISI, Delhi*.

Goel, Deepti. October, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” Social Sector Development in India: Emerging Issues and Policy Perspectives, *IGIDR Mumbai*.

Goel, Deepti. August, 2017. “Identifying an Effective Teacher in Public Schools in Delhi” Workshop on Human Capital, *ISB Hyderabad*.

Kumar, S. Urbanization and Water Supply and Sanitation in India.

Kumar, S. 2017. Air Pollution and Traffic Congestion in Urban India, Conference on Urbanization in Asia: A Comparative Study of the People’s Republic of China and India, organised by ADBI, Colombo, Sri Lanka.

Singh, R. 2017. ‘The Goods and Services Tax’, Gargi College, University of Delhi, Delhi.

Singh, R. 2017. ‘Acquisition of Land by Self-interested Governments’, London School of Economics.

Singh, R. 2017. ‘Litigation over Eminent Domain Compensation: The Compounding Effect’, Annual Meeting of the European Association of Law and Economics, London.

Singh, R. 2017. “Litigation over Compensation under Land Acquisition: Actors and Outcomes”, Heidelberg University, Germany.

Singh, R. 2017. "Public Private Partnerships for Infrastructure Development: Study of National Highways in India", Hamburg University, Germany.

Singh, R. 2017. "Public Private Partnerships for Infrastructure", South Asia Institute, Heidelberg University, Germany.

Sinha, U. B., February 2018, "ICT adoption and composition of trade and welfare" in the International Workshop on ICT and welfare in the Delhi School of Economics.

#### **Other Inter – institutional collaboration:**

The Department of Economics, Delhi School of Economics, is the India counterpart of the World Project LINK (initiated and guided by Nobel Laureate late Professor Lawrence Klein) which integrates independently developed national macro models into a global model for macroeconomic forecasting and policy analysis and is coordinated jointly by the UN Department of Economic and Social Affairs and the University of Toronto. In the initial phase Prof. V. Pandit and Prof. late K. Krishnamurthy from the Institute of Economic Growth were actively associated with Project LINK. From the Department of Economics, Prof. K. Sundaram and Prof. Pami Dua were jointly involved in more recent years. The project is presently jointly managed by Prof. Pami Dua and N. R. Bhanumurthy, National Institute of Public Finance and Policy with advisory support from Professor V. Pandit.

#### **Placement Details (Number and percentage of students placed)**

- Number and percentage of students placed:- **96 and 81.35%**
- Number of Companies visited for campus recruitment:- **32**

#### **Number of M.Phil./Ph.D. Degrees Awarded**

Ph.D.: 4

M.Phil: 1

#### **Faculty Strength**

**Faculty Strength- 21**

**Adhoc - 7**

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## **GEOGRAPHY**

#### **Major Activities and Achievements**

The Department leads in strengthening the discipline of Geography in India through its emphasis on Inter-disciplinarity, Innovation and Inclusiveness. The Department of Geography through its teaching and research activities aims for bridging the gap between the physical sciences and social sciences. Faculty members of the department have published research articles in high impact factor peer reviewed journals in this year, viz. Geomorphology, International Journal of Climatology, GI Science & Remote Sensing, Natural Hazards, Social & Cultural Geography, City, Culture & Society, Dialogues in Human Geography, Journal of Stochastic Environmental Research and Risk Assessment, etc. The department is known for its expertise in the areas of environment, remote sensing/GIS and gender studies. The Department is also receiving Special Assistance under UGC Research Support Programme DRS III (2013-18).

#### **Honours/Distinctions**

- Professor R. B. Singh, Member, International Council of Science (ICSU) Scientific Committee-Health and Wellbeing in Changing Urban Environment-System Analysis Approach. Chair, Research Council-CSIR-Central Food Technological Research Institute (CFTRI), Government of India, Mysore since July 2017-19. Member, Research Council-CSIR-Central Institute for Medicinal and Aromatic Plants (CIMAP), Government of India, Lucknow since July 2017-19.
- Prof. S. C. Rai, Member, Scientific Advisory Committee (SAC), G.B. Pant Institute of Himalayan Environment and Sustainable Development (*An Autonomous Institute of Ministry of Environment, Forest & Climate Change, Government of India*) from August 2017- upto March, 2020. Associate Editor, *Political Economy Journal of India* (Bi-annual), Chandigarh (ISSN: 0971-2097) since 2017.
- Dr. B. W. Pandey, Sectional Recorder, Earth System Sciences (ESS) Indian Science Congress for 106 and 107 Sessions of Indian Science Congress (2018-19, 2019-20). Member, Governing Council, Institute of Indian Geographers (IIG) for the Years 2016-2019.

## Publications

### A. Books

Mal, S., Singh, R.B., Huggel & Christian (Eds.), (2018). *Climate Change, Extreme Events and Disaster Risk Reduction*. Basel: Springer.

Negi, V. S., Pandey, B. W., & Kumria, P. (Eds.), (2017). *Whither Sustainable Development: Studies in Planning and Management of Land and Water Resources*. New Delhi: Research India Press. New Delhi.

Pandey, B. W., Negi, V. S. and Kumria, P. (Eds.), (2017). *Environmental Concerns and Sustainable Development in Himalaya*. New Delhi: Research India Press.

Rai, S.C. (2017). *Hydrology and Water Resources: A Geographical Perspective*. New Delhi: Ane Book Pvt. Ltd.

Pandey, B.W. (Ed.) (2017). *Water Resources: Potentiality, Vulnerability and Management: Indian Experiences*. New Delhi: Research India Press.

### B. Paper Published in Journals

Aggarwal, S., Rai, S.C., Thakur, P.K., & Emmer, A. (2017). Inventory and recently increasing GLOF susceptibility of glacial lakes in Sikkim, Eastern Himalaya. *Geomorphology*, 295, 39-54.

Kumar, A., & Anand, S. (2017). Community Perception towards Solid Waste Management in NCT of Delhi, India. *International Journal of Research and Review*, 4, 47-55.

Bhairannavar, K. (2018). Women, Environment and Migration: A case study of Female construction workers in Delhi. *The Horizon: A Journal of Social Sciences*, 1 (9), 16-27.

Bhuiyan, C., Saha, A.K., Bandyopadhyay, N. & Kogan, F.N. (2017). Analysing the Impact of Thermal Stress on Vegetation Health and Agricultural Drought: A Case Study from Gujarat, India. *GIScience & Remote Sensing*, 54(5), 678-699.

Datta, A. & Lund, R. (2018). Mothering, mentoring and journeys towards inspiring spaces, Emotion. *Space and Society*, 26, 64-71.

De, A. (2017). Tasting Home. *Art East Journal*, 1, 34-36.

De, A., & Nandi, R. (2018). History at the margins: Koch-Rajbanshis and their politics of resistance and rewriting of the past. *Bangabidya, International Journal of Bengal Studies*, 10, 253 -256.

Duan, W., Bin, H., Sahu, N., Pingping, L., Daniel, N. & Kaoru, T. (2017). Spatio-temporal variability of Hokkaido's seasonal precipitation in recent decades and connection to water vapor flux. *International Journal of Climatology*, 37, 3660-3673.

Goswami, N. & Singh, R.B. (2017). Health Seeking Behaviour in Stress Management: A Case Study of French Tourist Community in Kangra, Himachal Pradesh. *HSOA Journal of Community Medicine and Public Health Care*, 4, 024.

Haque, S. & Singh, R.B. (2017). Air pollution and human health in Kolkata, India: A case study. *Climate*, 5, 77.

Joshep, Z. T. & Anand, S. (2017). Dynamics of Urban Sprawl and Changes in Imphal of Manipur, India. *Space and Culture, India*, 5(2), 69-83.

Kumar, M., Singh, R.B., Pravesh, R., Kumar, P., Tripathi, D.K. & Sahu, N. (2018). Urban Growth Dynamics and Modeling using Remote Sensing Data and Multivariate Statistical Techniques. *Current Science*, 114, 280-291.

Nejad, M.F., Torahi, A., & Rai, S.C. (2017). Comparing the capability of ETM+ and LISS-III imagery in Riparian forest mapping: a case study of Maroon River, Iran. *Lebanese Science Journal*, 18(2), 226-233.

Nigam, G. K., Sahu, R. K., Sinha, M. K., Deng, X., Singh, R.B & Kumar, P. (2017). Field assessment of surface runoff, sediment yield and soil erosion in opencast mines in Chirimiri area, Chhattisgarh, India. *Journal of Physics and Chemistry of Earth*, 101, 137-148

Kumar, N., Anand, S. & Singh, J. (2018). Understanding the status of Food Security: A Case Study of Haryana. *The Horizon: A Journal of Social Sciences*, 9, 1-16.

Pandey, B. W., Kumari, R., Rani, U. & Ranjan, O. J. (2017). Horticulture Development in Himalaya: A Case Study of Lachi gad Watershed, Uttarakhand. *The Horizon*, 8, 153-163.

Pandey, B. W., Negi, V. S., Chandna, V. & Meena, G. (2017). Pre-natal Health Status of Marginal Peasant Women in Lachigad Watershed, Uttarakhand. *The Eastern Anthropologist*, 70 (3-4), 327-343.



- Gautham, P. & Anand, S. (2018). Flash Flood and its Mitigation: A Case Study of Almora, Uttarakhand, India. *Journal of Environmental Hazards*, 1, 1-7.
- Prasad, A. S. & Pandey, B. W. (2017). Climate change, land use and land cover change detection and its impact on hydrological hazards and sustainable development: a case study of Alaknanda River Basin, Uttarakhand, India. *Riscurisi Catastrofe Journal*, 26, 55-68.
- Prasad, A. S. & Pandey, B. W. (2017). Impact Assessment of Natural Hazard on Livelihood Security, Biodiversity and Sustainable Development in Alaknanda river basin Uttarakhand. *The Deccan Geographer*, 55 (1&2), 132-146.
- Sahu, N., Robertson, A., Boer, R., Behera, S., DeWitt, D.G., Kaoru, T., Kumar, M. & Singh, R.B. (2017). Probabilistic Seasonal Stream flow Forecasts of the Citarum River, Indonesia, Based on General Circulation Models. *Stochastic Environmental Research and Risk Assessment*, 31, 1747-1758.
- Sarkar, A., Singh, P. & Rai, S.C. (2018). Modelling LULC change dynamics and its impact on environment and water security: geospatial technology based assessment. *Ecology, Environment and Conservation*, 24, S292-S298.
- Sarkar, A., Singh, P. K., & Rai, S.C. (2017). Assessment of impervious surface growth in urban environment through Remote Sensing estimates. *Environmental Earth Sciences*, 76, 541.
- Sengupta S. & Sen A. (2017). Social Acceptance of Biodegradable Carry Bags in Delhi: Re-designing the 'Say No to Plastic Bags' Campaign. *Open Access International Journal of Science and Engineering*, 2, 41-47.
- Sengupta S., Sarkar, D.U. & Sen, A. (2018). Re-inventing Household Shopping Patterns and Buying Roles: Exploring the 'New Women' in Urban India. *Akademios*, 7, 263-284.
- Singh B.V.R. & Sen, A. (2017). Global Scenario and India's Position in Environment and Sustainable Development). *World Focus*, 65, 111-113.
- Singh B.V.R. & Sen, A. (2018). Geo-Spatial Mapping of Land Use and Land Cover Changes in the Core and Periphery Area of Ranthambore Tiger Reserve, Rajasthan, India, 1975-2015. *Annals of Valahia University of Targoviste. Geographical Series*, 18, 62-67.
- Singh, A., Kumar, K., Pathak, P.K., Chauhan, R.K. & Banerjee, A. (2017). Spatial pattern of fertility and its determinants in India. *Population (E)*, 72(3), 505-526.
- Singh, R.B. (2017). Ensuring clean water accessibility and mitigating water induced disasters-Contributing towards Sustainable Development Goals, *Productivity*, 57(4), 323-331.
- Anand, S. & Kumar, P. (2017). Climate Change and Agriculture Scenario in Bageshwar of Uttarakhand, India. *The Horizon: A Journal of Social Sciences*, 8, 1-187.
- Anand, S. & Gautam, P. & Kumar, H. (2017). Ecohydrological Perspectives of Degrading Baolis during Medieval Period in Delhi: Traditional Practices of Water Management. *Journal of InterEspaco*, 2(6), 143-162.
- Saluja, V & Anand, S. (2017). Land Use and Land Cover Change in first proposed National Geopark, Varkala in Kerala, India. *International Journal of Geoheritage*, 5(2), 33-42.
- W. Pandey, Yadav, A. & Mishra, H. (2017). Ecological Restoration and Livelihood Options through Forestry: A Case Study of Pasolgaad Watershed Uttarakhand. In V.P. Sati and K. C. Lalma sawmzauva (Eds.), *Natural Resource Management for Sustainable Development and Rural Livelihoods* (pp. 593-603). New Delhi: Today and Tomorrow Printers and Publishers.
- Begum, A. & Saha, A.K. (2017). Facility Management System: A Case Study of University Campus. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives* (pp. 213-225). Springer International.
- Husain, A. & Kumar, P. (2017). Drinking Water and Health related issues: A case study of Patparganj Society, New Delhi. In B.W. Pandey (Eds.), *Water Resources Potentiality Vulnerability and Management: Indian Experiences*, (pp. 166-183). New Delhi: Research India Press.
- Jahangir, S., Nikhil, P.N.N., Bailey, A. & Datta, A. (2018). Contextualizing Elder Abuse and Neglect in Institutional and Home Settings: Case Studies from India. In M. Kapur, S. Dass and S. I. Rajan (Eds.), *Abuse and Neglect of the Elderly in India*, (175-188). Singapore: Springer.
- Mishra, A.P., Sen, A. & Kumar A. (2017). Exploring Potentials and Challenges in Making Smart Cities in India: A Case Study of Allahabad City, Uttar Pradesh. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives*, (pp. 123-142). Springer.

Mondal, B. & Saha, A.K. (2018). Spatio-temporal analysis of mangrove loss in vulnerable islands of Sundarban World Heritage Site, India. In A. Mansourian, P. Pilesjö, L. Harrie and R.V. Lammeren R (Eds.), *Geospatial Technologies for All* (AGILE Conference on Geographic Information Science), (pp. 93-109). Lund: Springer International.

Rai, S.C. & Nagpal J. (2017). An assessment of domestic water use practices in Delhi. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India*, (pp. 445-458). Springer International Publishing.

Sahu, N. (2018). Global Environmental Challenges and Indian Ocean Dipole. In S. Sahdev and M. Kumar (Eds.), (pp. 1-6). *Environmental and Sustainable Development; an Appraisal*, New Delhi: Concept Publication.

Saini, A., & Sahu, N. (2017). Urbanization Induced Air Pollution and its Impact: Cases of Delhi and Seoul. In S. Narsinham and K.D. Young (Eds.), *Forging a Multidimensional Partnership in the 21st Century*, (pp. 123-143). New Delhi: Manak Publication Pvt.

Sen A. & Yadav A. (2017). Re-imaging Post-Industrial Cities: Exploring Newer Identities in Faridabad, Haryana. In P. Sharma and S. Rajput (Eds.), *Sustainable Smart Cities in India: Challenges and Future Perspectives*, Springer.

Singh, R.B., Anand, S. & Saluja, V. (2017). Low Carbon Resilient Delhi Megacity for Sustainable Future Earth. In Y. Himiyama (Ed.), *Exploring Sustainable Land Use in Monsoon Asia*, (pp. 137- 155). Japan: Springer.

Subhash Anand (2017). Perception of Waste Management in Delhi. In B. Thakur, H.S. Sharma, S. Misra, S. Chattopadhyaya and S. Singh (Eds.), *Regional Development: Theory and Practice*, (pp. 148-162). New Delhi: Concept Publications Company.

### **Journal Published in the Department**

Annals of the National Association of Geographers, India

### **Research Projects**

B. W. Pandey. British Council International Collaboration: UGC-UKIERI-III Project on "(HiFlo-DAT): Indian Himalayan Flood Database, for Disaster Risk Reduction" between University of Delhi, India and University of Bath Spa, UK (2018-2020).

Praveen K Pathak. Network and global health: experimental evidence of women's social network, reproductive health and well-being in developing countries. University of Delhi and North Eastern University, Boston, USA (2017-2019).

De, A. Funding Agency: ICSSR, Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Sites of Knowledge Construction, (2017-2019).

S.C. Rai. Climate Variability and its Impact on Agro-biodiversity and Livelihood Security in Traditional Farming of the Sikkim Himalaya. This Project is funded by G.B. Pant Institute of Himalayan Environment and Sustainable Development, Kosi-Katarmal, Almora-263643, Uttarakhand, (April, 2018-2021).

### **Seminars Organised**

UGC SAP-DRS III National Seminar on Emerging Frontiers in Resources, Environment, Urban and Regional Planning, Department of Geography, Delhi School of Economics, University of Delhi, December 23-24, 2017.

### **Seminar/Conferences Presentations**

B. W. Pandey (2017). June 30-July 06. Delivered a Keynote Address on "Slope Vulnerability, Mass Wasting and Geo-Hazards: Investigations and Risk Analysis In Alaknanda River Basin, India" (b) Conducted Fieldwork on Geoscience in Ladoga Lake Region in at the 10th International Conference and Summer School on Geology in School and University: Earth Sciences and Civilization organised at the Herzen State Pedagogical University of Russia, St. Petersburg, Russia.

B. W. Pandey (2018) March 16-20. Presented a research paper on "Slope Vulnerability, Mass Wasting and Geohydrological Hazards in Himalaya: A Case Study of Alaknanda River Basin Uttarakhand." In Earth System Sciences (ESS) of 105th Indian Science Congress (ISC), at University of Manipur, Imphal.

Bhairannavar, K. (2017) Post-colonial sexualities and everyday sexual urbanisms: A case study of Delhi' presented in (Post) colonial knowledge and the making of Asian urbanism session at the 'Annual International Conference 2017 of the Royal Geographical Society (with IBG)', London, United Kingdom,

Datta Anindita (2018) Participated in 'Genderscapes of Hate: Contextualizing Gender, Space and Harm in India', Plenary Session: Social and Spatial Integration and Global Citizenship 12th RSAI World Congress, Organised by Regional Science Association International at BITS Pilani Goa Campus on 30th May 2018.

De, A (2017) Mapping Fear and Violence in Public Spaces”, presented at Public Spaces and Everyday Narratives of Violence amongst Vulnerable Gender Groups: Towards Inclusive Policy Frameworks, Gender and Economic Policy Forum organised by ISST and Heinrich Boll Foundation held at India Habitat Centre.

De, A (2017) Post-Colonial Knowledge and City Building in Asia”, presented at RGS – IBG Annual International Conference, 2017, held at Royal Geographical Society, London.

De, A (2017) Kolkata in Calcutta: The Post-colonial Knowing of the Colonial Past”, presented at 6<sup>th</sup> French Network for Asian Studies International Conference, held at Sciences Po.

Pankaj Kumar(2017) delivered invited speaker talk on the topic “Spatial Information System for Sustainable Development Goals” in the International Training Workshop on Scientific Big Data Sharing and Publication for Developing Countries during October 16th –November 4th, 2017, Beijing, China.

S. C. Rai, (2017) Mentor, INSPIRE Internship Science Camp, held at Arunachal University, Namsai, Arunachal Pradesh from 30<sup>th</sup> Jan.-3<sup>rd</sup> Feb, 2017. Delivered one lecture.

Sengupta Soma and Sen Anjan(2017) Social Acceptability of Energy Efficient Lighting: Inequalities in the Emergence of Smart Societies.7<sup>th</sup> Nordic Geographers Meeting 2017 on “Geographies of Inequalities”at Stockholm, Sweden.

Subhash Anand (2018) Participated and Co-Chaired a session on Urban Waste Management in National Seminar on Urban Environment in the 21<sup>st</sup> Century: Issues and Challenges, 27-28 March, 2018, JMI, New Delhi.

Subhash Anand (2018) Participated by Co-Charing a session on Sustainable Agriculture in National Conference on Climate Change: Sustainable Agriculture and Environment 17 March, 2018, AMU, Aligarh.

### **International MoUs Signed**

#### **Other Inter-Institutional Collaborations**

- S. C. Rai: Member, Board of School of Extension and Development Studies (SOEDS), Indira Gandhi National Open University, New Delhi from December 2017 to November 2019.
- S. C. Rai: Member, Board of Studies, Department of Geography, The IIS University, Jaipur, from July 2017-June 2019.
- S. C. Rai: Member, Post Graduate Board of Studies in Geography, Kurukshetra University, Kurukshetra, Haryana (two years) from 11<sup>th</sup> December 2017 to 10<sup>th</sup> December 2019.
- B. W. Pandey: Executive External (International) Member of the Advisory Board the Afromontane Research Unit (ARU) Advisory Board, University of the Free State, (UFS) QwaQwa Campus, South Africa. Private Bag X13, Phuthaditjhaba, 9866 Republic of South Africa

### **Placement Details**

Department of Geography coordinates with Central Placement Cell of Delhi University.(Mention the number of placements of department students, if any)

### **Extension and Outreach Activities**

- Bhairannavar, K. ‘Qualitative Research in Social Sciences’ and ‘Sexuality, Identity and Pluralism at the 10- Day Capacity Building Programme for Faculty and Research Scholars of Social Sciences organised by Giri Institute of Development Studies, Lucknow, 10-19<sup>th</sup> February 2018.

### **Number of M. Phil/Ph. D. Degree Awarded**

**Ph. D.** : 10

**M. Phil.** : 19

**Faculty Strength** : 12

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## HISTORY

### Major activities and achievements

One of the founding departments of the University, the History Department is currently a Centre of Advanced Studies with thirty-one faculty members. They are renowned as thinkers and contributors to the global discipline of History, and as specialists in their respective domains of research. The Department has a Computer Centre, Department Library and Department Museum with an extremely rare collection of miniatures, manuscripts and artefacts. Our MA and MPhil programmes are one of the most rigorous in India and three-five students annually secure full fellowships to top ranked international Universities. In 2017-18 our faculty gave key note addresses in National and International fora; together with Harvard University we organised an International conference, "Empires: Towards a Global History". The Department's Seminar Series had fourteen speakers in 2017-18; we have started two discussion-centred events called "Baithak" and "Kitabkhana". History Research Scholars organised the sixth Annual "Research Students Conference" a national gathering of research students.

### Outstanding Honours/Distinctions

#### National

Charu Gupta, 'Subaltern Sexualities and Vernacular Archives', Keynote Address at the Ashoka University & OP Jindal Global University History Workshop, Haryana, 9 September 2017.

Jafri, Sayyid Z.H. (2017). General Presidential Address), XXXII Annual Session of Rajasthan History Congress. "Migration, Settlements and Adaptations: Making of the 'elite culture' and the Dissemination of Knowledge in Rajputana up to Pre-Colonial times" 22<sup>nd</sup>-24<sup>th</sup> December 2017.

Kumar, Sunil, Keynote lecture, "Time and its didactic possibilities: Sijzi's Fawā'id al-Fu'ād and the fourteenth-century Chishtiya". XXXVI Dr. M.A Ansari Memorial Lecture, Department of History and Culture, Jamia Millia Islamia, 15<sup>th</sup> February. 2018

Kumar, Sunil, Presidential Address, Medieval India Section, Indian History Congress, Jadavpur, "History and the Fourteenth Century Chishtiya", 28<sup>th</sup> December 2017.

Malhotra, Anshu *Piro and the Gulabdis: Gender, Sect and Society in Punjab* (New Delhi: OUP, 2017) won the Hari Ram Gupta Award for the best Book by a Woman Historian, awarded by the Indian History Congress, 2017.

Singh, Upinder. Inaugural Professor S. N. Roy Memorial Lecture "The violence of the state: perspectives from ancient India," in the Allahabad Museum. April 6, 2018.

Singh, Upinder. Keynote address titled "Looking beyond India to Asia" at the Prof. Achuta Rao Memorial National Conference on 'Ancient India: Identities, Boundaries, Cultural Practices,' held at the Manipal Academy of Higher Education. Dec. 26, 2017.

#### International

Gupta, Charu. Apr-Jun 2017, Visiting Professor and ICCR Chair, Institute of South Asian, Tibetan and Buddhist Studies, University of Vienna, Austria.

Jafri, Sayyid Z.H. Keynote Address, 'Migration, Refugees, and Dissemination of Knowledge: Expansion of 'Islamic Culture' and the 'Migrant Elite' at International Conference on Forced Migration and Refugee Studies: Issues Shifting Paradigm and, organised by the Department of History and Civilization, International Islamic University of Malaysia, Kuala Lumpur (ICMR-2017), 5<sup>th</sup>-7<sup>th</sup> December, 2017.

Jain, Shalin. CST Library Scholar, Claremont School of Theology, Claremont, California, USA.

### Publications

Aquil, R. (2017). *Lovers of God: Sufism and the Politics of Islam in Medieval India*. New Delhi: Manohar.

Aquil, R. (2017). *The Muslim Question: Understanding Islam and Indian History*. paperback, New Delhi: Penguin Books.

Gupta, C. (2017), *The Gender of Caste: Representing Dalits in Print*, Ranikhet: Permanent Black.

Jain, S. (2017) *Identity, Community and State: The Jains under the Mughals*. New Delhi: Primus Books.

Singh, U. (2017). *Political Violence in Ancient India*. Cambridge: Harvard University Press.

- Singh, U. (2017). *Portraits of Power: Asoka and Kautilya; Samudragupta and Raghu*. Patna: K. P. Jayaswal Research Institute.
- Singh, V. (2018). *Speaking Rivers: Environmental History of a Mid-Ganga Flood Country, 1540-1885*. Delhi: Primus Books.
- Gupta, C. & Sharma, M. (2018). *Contested Coastlines: Fisherfolk, Nations and Borders in South Asia, (Rep.)*. New Delhi: Routledge.
- Malhotra, A., Williams, T. & Hawley, J. S. (Eds.). (2018). *Text and Tradition in Early Modern North India*. Delhi: Oxford University Press.
- Dakani and the Transformation of Urdu as a Language of Literature. In M. N. Bari & H. M. Maheshwariah (Eds.), *Deccan: Culture, Heritage and Literature*, (pp. 410-423). Delhi: Manak Publications.
- Deshpande, A. (2017). Past, Present and Oral History. *Economic and Political Weekly*.
- Deshpande, A. (2017). 'The Indian Fort as Site of Intersections'. In R. Seshan (Ed.), *Narratives, Routes and Intersections in Pre-Modern Asia*. London and New York: Routledge.
- Deshpande, A. (2018). Locating Syed Ahmad Khan in Colonial India. *Forward Press*.
- Deshpande, A. (2018). Tiger by the Tail: Demobilization of the Indian Army of War, 1918-1923. In A. Jeffreys (Ed.), *The Indian Army in the First World War*. Solihull Helion and Company.
- Govind, R. (2017). The King's Plunder, the King's Justice: Sovereignty in British India. *Studies in History*, 33(2), 151-186.
- Govind, R. (2018). Ambedkar's lessons, Ambedkar's Challenges: Hinduism, Hindutva and the Indian Nation. *Economic and Political Weekly*, 53(4), 80-92.
- Gupta, C. (2017), Representing Dalit Bodies in Colonial India. In M. Ciotti (Ed.), *Unsettling the Archetypes: Femininities and Masculinities in Indian Politics*, (pp. 56-93). New Delhi: Women Unlimited.
- Gupta, C. (2017), Speaking Self, Writing Caste: Recovering the Life of Santram BA'. *Biography: An Interdisciplinary Quarterly*, 40(1), 16-43.
- Gupta, C. (2018), Challenging Caste, Doing Gender: Paradoxes of Male Writings in North India. In R. Chowdhury and Z. A. Baset (Eds.), *Men and Feminism in India*, (214-36). Oxon and New York: Routledge.
- Gupta, C. (2018), Domestic Anxieties, Recalcitrant Intimacies: Representation of Servants in Hindi Print Culture of Colonial India, *Studies in History*, 34(2), 141-63.
- Gupta, C. (2018), Imaging Dalit Identities: Performing Femininities and Masculinities in Early Twentieth Century'. In A. Rao (Ed.), *Gender, Caste and the Imagination of Equality*, (pp. 154-72). New Delhi: Women Unlimited.
- Gupta, C. (2018), Paradoxes of Victimhood: Dalit Women's Bodies as Polluted and Suffering in Colonial North India. In E. Rashkow, S. Ghosh and U. Chakrabarti (Eds.), *Memory, Identity and the Colonial Encounter in India: Essays in Honour of Peter Robb*, (pp. 110-131). New Delhi and London: Routledge.
- Gupta, C. & S. Shankar (2017). My Birth is My Fatal Accident: Introduction to Caste and Life Narratives. *Biography: An Interdisciplinary Quarterly*, 40 (1), 1-15.
- Gupta, V. (2017). Cultural Marginality and Reproduction of Stereotypes: An Insider's View on Practices of School. In M. K. Tiwary, S. Kumar and A. Mishra (Eds.), *Social Diversity, Inclusive Classroom and Primary Education in India*. New Delhi: Orient Blackswan.
- Gupta, V. (2017), *Macaulay se Pare*. In H. K. Dewan, R. K. Agnihotri, A. C., V. D. Sudhir and R. Dwivedi (Eds.), *Macaulay, Elphinstone Aur Bhartiya Shiksha*. New Delhi: Vani Prakashan.
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- Jafri, Z. H. S. & Khan, M. T. (2017). Endowments, Grants, and Charities in Medieval India: A Case Study of Mahabodhi Temple. In A. Singh (Ed.), *Dana: Reciprocity and Patronage in Buddhism*, (pp. 48-62). Delhi: Primus.
- Jafri, Z. H. S. (2017). *Ma'afidars* and the Institutions of Learning in Colonial Bengal. *Vidyasagar University Journal of History*, 59-70
- Jafri, Z. H. S. (2017). Making of the Composite Culture in Pre-Nawabi Awadh'. *Proceedings of the Indian History Congress*, 77<sup>th</sup> Session, University of Kerala. Aligarh, 142-153.

- Jafri, Z. H. S. (2017). The issue of religion in 1857: Three documents'. *Studies in People's History*, Special Issue State and Religion in India, 4(1), 77-90.
- Jafri, Z. H. S. (2017). Migration, Settlements and Adaptations: Making of the 'elite culture' and the Dissemination of Knowledge in Rajputana up to Pre-Colonial times. *XXXII Annual Session of Rajasthan History Congress*. Jaipur: SS Jain Subodh, PG (Autonomous) College.
- Jafri, Z. H. S. (2018). The Mughal-Nawabi Legacy under 'Siege' in the Age of Empire (1860's-1880s): Familial Grants and the *Waqf* of Khanqah-e Karimia, Salon, India. In M. Toru (Ed.), *Comparative Study of the Waqf from the East: Dynamism of Norm and Practices in Religious and Familial Donations*, (pp.191-216). Tokyo: The Toyo Bunko.
- Kumar, S. (2017). Transitions in the relationship between political elites and Sufis: the 13<sup>th</sup> and 14<sup>th</sup> century Delhi Sultanate. In N. Karashima (Ed.), *State Formation and Social Integration in Pre-modern South and Southeast Asia: A Comparative Study of Asian Society*, (pp.203-238). Tokyo: Toyo Bunko
- Kumar, S. & Lata (2017). Idea of India: Mahatma Phule and Ambedkar, *Swaraj Prakashan*.
- Mahapatra, P., Joshi, C., & Rana, P.B. (2018). "Dialogues across Borders. In K. H. Roth, Brill, Leiden and Boston (Eds.), *On the Road to Global Labour History*.
- Mahapatra, P. (2018). On Home, Work and Personhood. In F. Henstchke (Ed.), *to be at Home: House, Work and Sel*. Oldenberg: De Gruyter.
- Malhotra, A. & Williams, T. (2018). In T. Williams, A. Malhotra and J. S. Hawley (Eds.), *Text and Tradition in Early Modern North India*. New Delhi: Oxford University Press.
- Misra, S. (2017). Review of Madhumita Sengupta, *Becoming Assamese: Colonialism and New Subjectivities in Northeast India*. *Economic and Political Weekly*, 52 (44).
- Shah, S. (2017). Articulation, Dissent and Subversion: Voices of Women's Emancipation. *Sanskrit Literature*, 45 (9-10).
- Shah, S. (2018). Review of Smita Sahgal, *Niyoga: Alternative Mechanism to Lineage Perpetuation in Early India*. *Indian Journal of Gender Studies*.
- Singh, U. (2017). 'Storage' and 'display: Third World Perspectives and Practices. In M. Brusius and K. Singh (Eds.), *Museum Storage and Meaning: Tales from the Crypt*. London and New York: Routledge.
- Singh, U. (2017). "Early remains in the Delhi Aravallis." *Land Art* (India Habitat Centre's Art Journal).
- Singh, V. (2017). "Modern Acts, Conservation of Fish and Colonial Interest: Inland Fisheries in Mid-Ganga Diara Ecology, India". In A.M. Song, S.D. Bower, P. Onyango, S.J. Cooke and R. Chuenpagdee (Eds.), *Inter-Sectoral Governance of Inland Fisheries*, St John's: TBTI Publication Series.
- Singh, V. (2018). "Intersectorality in the Governance of Inland Fisheries". *Ecology and Society*, 23(2), 17.
- Singh, Vipul (2018). "Where Many Rivers Meet: River Morphology and Transformation of Pre-Modern River Economy in Mid-Ganga Basin, India". In E. Vaz, C. Joanaz and L. M.C. Pinto (Eds.), *Environmental History in the Making*. Switzerland: Springer International Publishing.
- Zou, D.V. (2017). "Embracing new gods: The process of religious change in Northeast India". In S. Nag and I. Alam (Eds.), *Blending Nation and Region*, Delhi: Primus Books/Ratna Sagar.
- Zou, D.V. (2018). "Vai phobia to Raj nostalgia: *Sahibs*, chiefs and commoners in colonial Lushai Hills". In L. Dzuvichu and M. Baruah (Eds.), *Modern Practices in North East India: History, Culture, Representation*, (pp. 119-143) London and New York: Routledge.

## Research Projects

### International

- Dr. Vipul Singh 2016-2020. Project partner in Simone Müller (PI) DFG Emmy-Noether Research Group "Hazardous Travels. Ghost Acres and the Global Waste Economy", Rachel Carson Center, Munich (Germany)
- Dr. Shalin Jain, CST Library Scholar, 2015-17, Claremont School of Theology, Claremont, California, USA
- Prof. Amar Farooqui and Dr. Prabhu Mahapatra, 2016 -- Weatherhead Initiative on Global History, Harvard University, Delhi University and others in The Global History Network

### **Seminars Organised by Department: 14**

Ten Selected Seminars, Department of History, University of Delhi, 2017-2018

Professor John Cort, Professor, Denison University

“No One Saves like the Guru’: Images of the True Guru in Jainism.” 3<sup>rd</sup> November 2:30 PM, Committee Room

Dr Shahana Bhattacharya, Associate Professor, Kirori Mal College, Delhi University.

“Transforming skin, changing caste: Technical Education in Leather Production in India, circa 1900-1950”. 15<sup>th</sup> November, 2:30 PM, Committee Room

Professor Robert P Goldman, CMEAS, University of California Berkeley

Murderous Rage, Collective Punishment and Ultraviolence in Vyasa’s Mahabharata. 10<sup>th</sup> January 2018, 3:00 pm, Room 6, Social Sciences Building Annexe.

Dr. Ryosuke Furui, Associate Professor at the Institute for Advanced Studies on Asia at the University of Tokyo

“Changing Structure of Political Powers in South Asia: Bengal from the Fifth to Thirteenth Century”. 12 January 2018, 3:00 PM, Committee Room

Dr Anish Vanaik, Assistant Professor, Dept. of Law, Jindal Global University.

“Lineages of the Housing Question in Colonial Delhi, 1911-47”. 7 February 2018, 3:00 PM, Committee Room

Professor P.K. Dutta, Professor, Political Science, JNU.

“The Distinctiveness of Tagore’s idea of the Global”. 28 February 2018, 3:00 PM, Committee Room

Dr Devesh Vijay, Research Fellow, CSDS, New Delhi.

“From Colonial Rule to Panchayati Raj: Changing Materialities in a North Indian Village circa, 1914-2014”. 21 March 2018, 3:30 pm, Committee Room

Maya Jasanoff, Coolidge Professor of History at Harvard University

“When History Meets Literature: Tracing the Life and Times of Joseph Conrad”. 28 March 2018, Committee Room.

Ravi Ahuja, head of the research group ‘Modern Indian History’ at the Centre for Modern Indian Studies (CeMIS) of Georg-August-University Göttingen.

“The ‘Natives’ of the S. S. ‘Egypt’: Writing about steamship labour and racial Management in the British Empire”. 3<sup>rd</sup> April 2018, Committee Room.

Anand Taneja, Vanderbilt University, USA

“Snakes, Jinns, and Other Muslim Saints: Unusual Intimacies and Ethical Life in the Medieval Ruins of Delhi”. 11<sup>th</sup> April 2018, Committee Room.

### **Conferences Organised: 7 (seven)**

TWO kinds of activities: Conferences, AND Baithaks -- Kitabkhanas

#### **CONFERENCES**

1) 7<sup>th</sup> of November, Room No 6, Annexe Building:

Workshop on *Revolution and Marxism*, History Department Seminar Series, organised by Drs. Sanghamitra Misra and Rahul Govind.

2) 3<sup>rd</sup> - 5<sup>th</sup> December, Room No 6, Annexe Building:

International Conference on “Empires: Towards a Global History”

*Funding from the Weatherhead Initiative on Global History, Harvard University, The Global History Network and the University of Delhi*

3) 13-15 March 2018

Research Students Conference and Dr. Azees Tharuvana's talk and documentary screening: 'Adivasi Ramayanas': *Funding from Primus Publishing House*

B) Baithak and Kitabkhana; Discussion Series, Department of History, Delhi University

1) 24<sup>th</sup> November, Baithak, Committee Room:

3: 00 – 5:00 PM: Baithak with Prof. Upendra Baxi. The readings for the event will be circulated.

2) 13<sup>th</sup> December, Committee Room: The readings for both events will be circulated.

1: 30 – 3: 00 PM: Baithak with Dr Prachi Deshpande

3: 30 – 5: 00 PM: Baithak with Professor Sanjay Subrahmanyam.

3) 23 February 2018, 3:00 – 5:00 PM, Committee Room: *Kitabhkhana* book discussion: Shalin Jain, *Identity, Community and State: The Jains under the Mughals*, New Delhi: Primus 2017.

Interlocutors: 1) Manisha Sethi, Centre for Comparative Religions and Civilizations, Jamia Millia Islamia, New Delhi; 2) Chandraneev Das, MA Final, Medieval History, Delhi University.

4) 4 April 2018, 3:00 – 5:00 PM, Committee Room: *Kitabhkhana* book discussion: Anirudh Deshpande, *Hope and Despair: Mutiny, Rebellion and Death in India*, New Delhi: 1946, Primus 2016

Interlocutors: 1) Amar Farooqui, Department of History, Delhi University. 2) Kriti Tripathi, MA Final, Modern Indian History, Delhi University

Seminar and Conference Presentations by Department Colleagues:

National: 57 (fifty-seven)

Ahmad, Saifuddin presented on 'Kabir in Urdu-Muslim Tradition' in International Seminar on Kabir: Different Perspectives, Atma Ram Sanatan Dharma College, University of Delhi, 30-31<sup>st</sup> January, 2018.

Ahmad, Saifuddin presented on "Urdu Literary Culture in Eighteenth-Century North India" in the Department of History, Zakir Husain P. G. (E) College, University of Delhi (27<sup>th</sup> March, 2018)

Deshpande, Anirudh presented a paper at Dr. Alka Rani Memorial Lecture in Vivekananda College, Delhi University on 'Colonialism and the long term Historicization of the Modern Indian Mind', 4 January, 2018.

Deshpande, Anirudh. Special Lecture in Centre for Historical Studies, JNU on 'Cinema and the Historian', 27 February, 2018.

Deshpande, Anirudh. Special Lecture in Satyavati College, Delhi University on 'Theories of Fascism', 9 November, 2017.

Deshpande, Anirudh. Special Lecture on 'Contemporary Relevance of Shaheed Bhagat Singh', Center for Shaheed Bhagat Singh Studies and Research, History Department, Bhagat Singh College, Delhi University, 5 April, 2018.

Dhar, Parul Pandya. 2018 presented a paper on "Resurrecting a Unique Torana from Phanigiri, Telangana" *Second international conference, Telangana through Ages: Perspectives on the Ancient and Medieval Periods* at Department of Archaeology and Museums, Hyderabad. January 19-20, 2018.

Gupta, Charu on 'Reclaiming Women's Voices: A Historical Perspective', Invited as a Speaker in a Panel Discussion, History Association, Daulat Ram College, Delhi University, 15 January 2018.

Gupta, Charu on 'Sannate mein Aawaaz: Aupniveshik Uttar Bharat mein Hindi Print Sanskriti, Stri aur Abhilekhagaar [Voice in Silence: Hindi Print Culture, Women and Archives in Colonial North India] [in Hindi], Invited paper at a National Workshop on 'Samkaleen Bharat mein Stri: Sandarbh aur Sambhavnaein' [Women in Contemporary India: Context and Possibilities], organised by CWDS, Delhi, 8-9 December, 2017.

Gupta, Charu on 'Subaltern Sexualities and Vernacular Archives', Invited Keynote Address at the Ashoka University & OP Jindal Global University History Workshop, Haryana, 9 September 2017.

Gupta, Charu on 'Travel and Masculinity in the Vernacular: Writings of a Pracharak', Invited Lecture in Sociological Research Colloquium, Department of Sociology, University of Delhi, 23 March 2018.

Gupta, Vikas. 'Colonial State and the Formation of Modern Teacher in India', Plenary Lecture Delivered in XLI Indian Social Science Congress on the Focal Theme "Our University Education System : A Critical Appraisal" Held, on December 18th to 22, at Periyar University, Periyar Palkalai Nagar, Salem, Tamil Nadu, India.

Gupta, Vikas. 'Colonial Transformations in Teacher Practices, Historic Critics and Contemporary Relevance', Lecture delivered in the National Symposium on 'History Education: Perspectives and Possibilities from the Field', Organised by the Department of Education (CIE), University of Delhi, on Saturday, 24th March, 2018.



Gupta, Vikas. 'Human Rights and Disability Laws in India', lecture delivered in a seminar on Human Rights organised by the Department of Political Science, Daulat Ram College, University of Delhi: 8th February.

Gupta, Vikas. 'National Policy on Education, 2016', lectured delivered in a seminar organised by the American India Foundation, New Delhi, 24-26 April.

Gupta, Vikas. 'rights of disabled and disability laws in India', lecture delivered in a workshop on 'Laws and Rights', Organised by The Department of Political Science, Gargi College, Delhi University, New Delhi: 4th February.

Gupta, Vikas. 'The Pedagogy of Ordering in Colonial India, Teacher and the Challenges: Perspectives from Four Educationists of 19th and early 20th Century', paper presented in a conference on teacher education, organised by Ambedkar University (Delhi) and Azim Premji Foundation, New Delhi: 23-25th May.

Gupta, Vikas. participated in the panel discussion cum interactive session on 'Progressive Opportunities for Persons with Disabilities (Divyangjan)', organised by Satyawati College, Delhi University: 17th February.

Gupta, Vikas. 'Schooling, Social Justice and Egalitarianism: Transnational Historical Survey and Neoliberal Trends', Paper presented at the International Conference on "Educational Policy Shifts in Neo-Liberal Times: Core Concerns and Critical Issues", Organised by Gargi College, Delhi University on 14-15 September.

Jafri, Sayyid Z.H. presented on 'Adjustments, Accommodation and Adaptations : Chishti Sufis and Indian Linguistic & Ritualistic Traditions' in an International Conference on *Sufism and Social Harmony*, Centre for the Study of Society and Secularism, Mumbai, 22<sup>nd</sup>-23<sup>rd</sup> February, 2018

Jafri, Sayyid Z.H. presented on 'Contextualizing 'Sir Syed Ahmad Khan's Perceptions on the Uprising of 1857: A re-reading of *Asbab-i Baghawat-i Hind*', Sir Syed Bicentenary Celebrations on '*Sir Syed Ahmad Khan: His Vision and Legacy*', Centre of Advance Study & Sir Syed Academy, Aligarh Muslim University, 21-22 November, 2017

Jafri, Sayyid Z.H. presented on 'Making of 'Indo-Islamic Intellectual Tradition' in Upper Gangetic Valley: Migrations, Settlements, Adaptations and the 'Decline'' (Professor Radhey Shyam Memorial Lecture), 28<sup>th</sup> Annual Session of U.P. History Congress, 18-19 November 2017, Mohammad Hasan Post-Graduate College, V.B.S. Purvanchal University, Jaunpur (UP)

Jafri, Sayyid Z.H. presented on 'Materials and Intellectual Discourse: A study of the Persianate Societies and Indian Subcontinent', presented in the panel on *India and Iran: Exchanges in the Realm of Ideas and Material Culture*, Aligarh Historian Society, 78<sup>th</sup> Annual Session of Indian History Congress, University of Jadavpur, Calcutta, 29<sup>th</sup>-30<sup>th</sup> Decembe, 2017

Jain,Shalin. presented on "Delhi Jo Ek Shahar Tha: Vyapar aur Bazaar Ka" in the National Seminar *The Changing Cultural Narratives of Delhi : Through the Ages*, organised by the Department of History, Rajdhani College, University of Delhi, 19-21 March, 2018.

Jain,Shalin.presented on "Kings and Chronicles: The Mughal Court" in the National In Service Training course for Post-Graduate Teachers (History) organised by Kendriya Vidyalaya Sangathan, Kendriya Vidyalaya, Rohini, New Delhi, 17<sup>th</sup> -28<sup>th</sup> May, 2018.

Jain,Shalin. presented on "Locating South Asian 'Individual' within 'Medieval': The Case of Jain Heterodoxy, 1470s-1770s" in Conference on *Debating the 'Early Modern' in South Asian History*, Ashoka University, Haryana, 9-10 February, 2018.

Jain,Shalin. presented on "The City of Parshava: Banaras in Jain Narratives" in the two days National Seminar on the '*The Holy' City of Banaras Through the Ages*, organised by the Department of History, Shyamlal College, University of Delhi, 12-13 March, 2018.

Kumar, Sunil. presented on "History and the Fourteenth Century Chishtiyya". Presidential Address, Medieval India Section, Indian History Congress, Jadavpur, 28<sup>th</sup> December 2017.

Kumar, Sunil. "Time and its didactic possibilities: Sijzi's Fawā'id al-Fu'ād and the fourteenth-century Chishtiyya". Keynote Address, XXXVI Dr. M.A Ansari Memorial Lecture, Department of History and Culture, Jamia Millia Islamia, 15<sup>th</sup> February. 2018.

Malhotra,Anshu. 'A Microhistory from Punjab: Piro and the Gulabdasis': Lecture presented in the National Seminar on 'Indian History: Multiple Locations' at Shivaji College, University of Delhi, 5-6<sup>th</sup> April 2018. (Lecture on 5<sup>th</sup> April).

Malhotra,Anshu.'Call me Feminist: Speaking as a Feminist Historian' – Lecture delivered at *Colloquy*

2018, History Conference and Festival at Hindu College, University of Delhi, 23<sup>rd</sup> Feb. 2018.

Malhotra, Anshu. 'Expressing the Self Through Emulation, Allegory and Allusion in Piro's *Kafis*' – A talk given at the Golden Jubilee celebrations at the Gargi College, University of Delhi, on 24<sup>th</sup> October 2017.

Malhotra, Anshu. 'Gender in the Matrix of Power, Love and Hate: Reading Piro's *Kafis*' – A talk given at the *Tathastu festival of the History Association of the Janki Devi Memorial College, University of Delhi*, on 27<sup>th</sup> October 2017.

Malhotra, Anshu. 'Relating (to) the Past: Piro in Many Hues' – Seminar presentation in the Department of Humanities and Social Sciences, at the Indian Institute of Technology (IIT) Delhi, on 3<sup>rd</sup> April 2018.

Malhotra, Anshu. 'Telling Tall Tales: Storying the Self and Others' Stories' – A talk given at the '*Khazana-i-Tarikh*' festival of the History Association of the Indraprastha College for Women, University of Delhi, on 3<sup>rd</sup> April 2017.

Malhotra, Anshu. In the panel on book discussion of Neera Burra (ed.), *A Memoir of Pre-Partition Punjab: Ruchi Ram Sahni, 1863-1948*, New Delhi: Oxford University Press, 2017, at Bhai Vir Singh Sahit Sadan, New Delhi, 28 October 2017.

Misra, Sanghamitra presented on "The Sovereignty of Political Economy: The Garos in the Pre Conquest Era", Nehru Memorial Museum and Library, New Delhi, 21st July, 2017.

Misra, Sanghamitra presented on "The Sovereignty of Political Economy: The Garos in the Pre Conquest Era", Nehru Memorial Museum and Library, New Delhi, 21st July, 2017

Misra, Sanghamitra presented on 'Ordering and Orienting Spaces: the Ecology of British Imperialism', St Stephen's College, University of Delhi, 21 February 2018

Misra, Sanghamitra presented on 'The Garos: Becoming 'Savage' under Colonial Modernity', Department of History, University of Delhi, 25 October 2017.

Rai, Santosh Kumar presented on "A Civil Rights Activist in a Colonized Agrarian Society: Gandhi in Champaran and Beyond" in the National Conference on "Champaran 1917: Context and Impact" organised by and held at Nehru Memorial Museum and Library, New Delhi, 27-28th April, 2017.

Rai, Santosh Kumar presented on "Banaras of Weavers: Localities and Histories of Weaving", in the two days National Seminar on the 'The Holy' City of Banaras Through the Ages, organised by the Department of History, Shyamlal College, University of Delhi, 12-13 March, 2018

Rai, Santosh Kumar presented on "Gandhiji in Champaran: A Journey to Mahatamahood", on the centenary celebration of 'Champaran Satyagraha' organised by and at National Fertilizers Limited, Corporate Office Noida, 18-04-2017.

Rai, Santosh Kumar presented on "The Community of Practice and Forms of Knowledge: Handloom Weavers in Early Twentieth Century United Provinces, India" in XIIth International Conference on Labour History, 'The Future of Work in the Mirror of the Past', Organised by V.V. Giri National Labour Institute, Noida & Association of Indian Labour Historians, March 26- 28, 2018.

Santosh Kumar Rai presented on "Needling a dream: Some aspects of embroidery industry in colonial United Provinces" in two days Textile and Clothing Research Centre (T C R C) National Seminar 'Threads for Adornment', India International Centre, New Delhi February, 10-11, 2018.

Shah, Shalini presented on 'Engendering the Material Body: A Study of Sanskrit Texts' at Centenary seminar on 'Writing Social and Economic History: Issues and Perspectives', Department of AIHC, University of Calcutta, March 8, 2018.

Shah, Shalini. Visiting faculty to deliver 3 lectures under UGC SAP-DRS-II programme at the University of Dibrugarh, 21-23 March, 2018.

Shah, Shalini presented on Women's Agency as Reflected in Sanskrit Literature, Golden Jubilee Conference on Writing Women's History: Locating visibility, Voices and Agency, Gargi College, University of Delhi, 24-25 October 2017.

Singh, Upinder presented on "Ancient India in an Asian Frame," National Museum, May 18, 2018

Singh, Upinder presented on "Early historic Nagarjunakonda: A 'Buddhist site' in Indian and Asian contexts," in an international conference on 'From Vijayapura to Śrīkṣetra? The beginnings of Buddhist exchange across the Bay of Bengal,' organised by the École française d'Extrême-Orient, Pondicherry. Aug. 1-4, 2017.

Singh, Upinder presented on "Politics and violence: ancient debates on a perennial problem" at the 29<sup>th</sup> mid-year meeting of the Indian Academy of Sciences, at Mysuru. June 29<sup>th</sup>, 2018.

Singh, Upinder presented on "Politics, violence and nonviolence in ancient India" in the Department of Humanities and Social Sciences, IIT Delhi. April 17, 2018.

Singh, Upinder presented on "Politics, Violence and Nonviolence in ancient India," at the Centre for Comparative Politics, Jawaharlal Nehru University. Feb. 5, 2018.

Singh, Upinder presented on "The violence of those who rule: views from ancient India," at O. P. Jindal Global University and via Skype to LUMMS in Lahore. April 13, 2018.

Singh, Upinder. Inaugural Professor S. N. Roy Memorial Lecture "The violence of the state: perspectives from ancient India," in the Allahabad Museum. April 6, 2018

Singh, Upinder. Keynote address titled "Looking beyond India to Asia" at the Prof. Achuta Rao Memorial National Conference on 'Ancient India: Identities, Boundaries, Cultural Practices,' held at the Manipal Academy of Higher Education. Dec. 26, 2017.

Singh, Vipul (2017). Inaugural address titled "Eco-historic Heritage and Watershed in Environmental History" in National Workshop on Networking on Eco-historic and Cultural Heritage of India at Lady Doak College, Madurai.

International: 18 (eighteen)

Dhar, Parul Pandya. 2018 presented on Icons in Translation: Reimagining the pantheon across India and Southeast Asia. 5<sup>TH</sup> AINTT, ASEAN-INDIA international conference, Bangkok, January 5-7, 2018.

Dhar, Parul Pandya. 2018. Presented on The Mediation of the Object: Iconographies of Travel Across the Indian Ocean. *CAA-Getty Alumni International Panel, CAA Los Angeles: Border Crossings: The migration of art, people and ideas.* February 23, 2018.

Gupta, Charu. 'Deferential and Defiant Bodies: Imaging Dalits in Colonial North India', Paper presented at an International Conference on 'The Body in Colonial India', at University of Kassel, Germany, 9-10 June 2017.

Gupta, Charu. 'Dread and Desire: Hindu Masculinities, Muslim Sexualities and Recalcitrant Romances in Modern India', Invited Public Lecture, sponsored jointly by Department of Asian Languages and Cultures, Department of History, Asian Studies Program, and Chabreja Center for Historical Studies, at Northwestern University, USA, 11 October 2017.

Gupta, Charu. 'Good Woman, Bad Woman: Reforms and Education in Colonial India', Invited Public Lecture at the Indian Embassy in Vienna, 25 May 2017

Gupta, Charu. 'Love Taboos: Hindus, Muslims and Moral Panics', Invited Public Lecture at the 'India Remixed: A Global Arts and Humanities Festival', Indiana University Bloomington, USA, 7 March 2018.

Gupta, Charu. 'Masculine Vernacular Histories of Travel in Colonial India: The Writings of Satyadev Parivrajak', Paper presented at an International Symposium on 'Literary Sentiments: Telling Lives in the Vernacular', The Global Humanities Initiative at Northwestern University, USA, 13-14 October 2017.

Gupta, Charu. 'Pasts and Presents of Communal Fantasies and Moral Panics', Invited Lecture by the Committee on Southern Asian Studies at the University of Chicago, USA, 12 October 2017

Gupta, Charu. 'The Gender of Caste: Representing Dalits in Print', Invited Annual ICCR Chair lecture and discussion on my book, at the University of Vienna, 2 June 2017.

Jafri, Sayyid Z.H. 'The Migrant Sufis from 'Persianate World' to the Indian Sub-continent: Dissemination of knowledge and the formation of 'Indo-Islamic Culture' in a seminar on, *Asian Cultural Dialogues on Cultural Diversity and Cooperation*, Ferdowsi University, Mashhad, Iran, 12-16 January, 2018

Jafri, Sayyid Z.H. Delivered Keynote Address, 'Migration, Refugees, and Dissemination of Knowledge: Expansion of 'Islamic Culture' and the 'Migrant Elite' at International Conference on Forced Migration and Refugee Studies: Issues Shifting Paradigm and, organised by the Department of History and Civilization, International Islamic University of Malaysia, Kuala Lumpur (ICMR-2017), 5<sup>th</sup>-7<sup>th</sup> December, 2017, (printed in the Conference bulletin, pp. 14-19)

Jain, Shalin. "Medieval Religious Communities and Environmental Concerns in Medieval India" in the Panel *Changes and Continuities in the Religious Landscape of Northeast India* in the 6<sup>th</sup> French Network for Asian Studies International Conference, Sciences Po, Paris, France, 26<sup>th</sup>-28<sup>th</sup> June, 2017.

Jain, Shalin presented on “The Scraps of Tradition: Medieval Indian Jain Vigyaptipatras” under research programme *Histories of the Self, Histories of Others: Questions of Translation and Historiography*, Center for South Asian Studies- School for Advanced Studies in the Social Sciences (CEIAS-EHESS), Paris, France, 29<sup>th</sup> June, 2017.

Kumar, Sunil presented on ‘When the Turks became the Servitors of Islam: acculturation in the fourteenth century Delhi Sultanate’. At the Conference, Rum and Hind: relations and shared experiences of conquest, acculturation and Turkish rule in pre-modern India and Anatolia, University of St. Andrews, 25-26 May, 2017.

Kumar, Sunil presented on “Between History and Historiography: The Muslim and Turkish nature of the 13<sup>th</sup>-14<sup>th</sup> century Delhi Sultanate”. At the Conference Contextualizing History Writing in the Ottoman and Indian Worlds (C. 1400-1850), Istanbul Bilgi University, 10-11 June 2017.

Malhotra, Anshu ‘Mythicized Fiction and a Gendered Imaginary: Abduction, Conversion and Chastity in Bhai Vir Singh’s *Sundari*’, Paper presented in an International conference co-organised with Dr. Anne Murphy, at the University of British Columbia, Vancouver, Canada, 17<sup>th</sup> August 2017.

Singh, Upinder. “Ideas of empire in ancient India” at a workshop on Classical Indian and Chinese World Views on Global Order: a comparison,” organised by the Berggruen Institute and Centre for the Study of Developing Societies, in Bangkok. Jan. 29-30, 2018.

Singh, Vipul (2018) presented a Workshop paper on “Flood, Avulsion and Governance: The Ganga River in the Nineteenth Century”, John Hope Franklin Center at Duke University, Duke University, Durham.

### **International MOU signed**

Advanced negotiations with South Asia Institute, School of Oriental and African Studies, London University, UK.

### **Other Inter-Institutional Collaboration**

Prof. Amar Farooqui and Dr. Prabhu Mahapatra, part of the Global History Network.

Dr. Vipul Singh, 2016-2020. Project partner in Simone Müller (PI) DFG Emmy-Noether Research Group “Hazardous Travels. Ghost Acres and the Global Waste Economy”, Rachel Carson Center, Munich (Germany).

### **Students Under Exchange Programme**

Under discussion with Centre of Modern Indian Studies, Georg August University, Goettingen, Germany.

### **Extension and Outreach Activities**

Faculty has discussed history and their own interventions in public fora: literary festivals, school presentations, public media. Included is a brief sample:

Jain, Shalin. “Sources in History” in the TGT Teachers Training Programme, Bal Bharati Public School Training Centre, Delhi, 26-05-2017.

Jain, Shalin. “The Cost of War”, Indo-German Classroom Initiative Programme, Modern School, Vasant Vihar, New Delhi, 9<sup>th</sup> October, 2017.

Jain, Shalin. “Delhi: The Trade Routes of Capital” in *Talking History* Programme, Rajya Sabha TV, New Delhi, 22<sup>nd</sup> August, 2017.

Singh, Upinder. Participated in a panel discussion on “The History of Ancient and Medieval India,” at the Kerala Literature Festival, Kozhikode. Feb. 9, 2018.

Singh, Upinder. Jan. 25, 2018. Participated in a panel discussion on ‘On Violence’ at the Jaipur Literature Festival.

Singh, Upinder. Jan. 22, 2018. Participated in a discussion on “Political Violence in Ancient India: On history, research and interpretation in India” at the Kolkata Literature Festival.

Singh, Upinder. Nov. 19, 2017. Participated in a panel discussion on my recent book, *Political Violence in Ancient India*, in Lucknow Literature Festival.

### **Faculty Strength: 31**

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## **POLITICAL SCIENCE**

### **Major Activities and Achievements**

The Department was established in 1952, with about 40 postgraduate students. Since then the combined strength of students has exceeded to around 1000.

The teaching and research program of the Department is based on a comprehensive social science approach that integrates and interrogates sociological, economic, philosophical and cultural dimensions. It encourages a comprehensive study of the field of politics, keeping especially the Indian realities in focus.

The Department of Political Science has been attempting to de-centre the notions and practices of the political from its conventional moorings in Eurocentric thought and history. While engaged in moving away in its research agenda from dominantly European models for some time now, the Department has also insisted on learning and undertaking research on western thought and institutions as well, so that the mutual-imbrication of Europe and the non-West, especially India, may be studied more seriously. The relationships of exchange as well as asymmetry between the West and the non-West is of course critical to understanding the current thrust area of our Department, namely that of democracy, norms and institutions. The need for research on this area is intensified by a number of important global challenges that require more democratic initiatives than are currently available; and these have to be thought in terms of both national and extra-national institutions. Work on the thrust area also benefits from the critical investigations that we conduct in Indian Politics that reveal both new and old forms of (among other things) inequality, justice, discrimination and institutional processes in the larger context of the global.

Our general focus has been supplemented by a growing emphasis on the need to combine theory with ethnographic and archival work. We believe that it is necessary to acquaint ourselves with both Western Political Theory and Indian Political Thought in order to address and open out new empirical material to fresh questions. We are convinced that this will illuminate the unfolding reality of India and other countries\regions and also open out new research agendas for other institutions outside in and India.

The Department is extremely rich in academic potential, comprising a faculty known widely for their research and teaching abilities. It has entered into many collaborations with international institutions and its reputation is being rapidly consolidated within and outside the country.

### **Major Activities**

- Three Inter-institutional collaboration projects along with Eight projects sponsored by various national/international organizations and University of Delhi have been undertaken by various faculty members of the department.
- The Department hosted two international seminars, six national workshops/Seminars, hosted 12 Visiting fellows under UGC CAS-SAP , held seven departmental weekly seminars, three special talks, and one work-in-progress workshop by Ph.D. students.
- Department launched a drive with the help of college teachers to prepare and collate teaching materials in Hindi Language for all Under Graduate courses.
- Faculty members have received honours and awards at national level and have undertaken international assignments and conferred with professional positions at international associations/bodies in their area of specializations.

### **Honour/Distinctions**

Prof Ujjwal Kumar Singh

- Visiting Professor on an honorary basis at the Institute of Political Science and Sociology, University of Wuerzburg, Germany from June 1 to June 30, 2018.
- Visiting Academic at the Dr. Seaker Chan Centre for Comparative Political Development Studies, School of International Relations and Public Affairs, from May 20, 2018 to May 27, 2018.
- Visiting Professor under the UGC-SAP (DRS) Programme of the Department of Political Science, Jamia Millia Islamia University, Delhi from February 26, 2018 to March 6, 2018.
- Visiting Professor under the 'A New Passage to India' Programme, funded by the DAAD (German Academic Exchange Service) at the University of Wurzburg, Wurzburg, Germany, from November 23, 2017 to December 23, 2017.

Prof. Rekha Saxena

- Invited by China Association for International Friendly Contact as a part of Institute of Social Sciences delegation to visit China from July 30- August 05, 2017 for exchanging views on promoting people- to –people contact between the two countries.

Dr. Nasreen Chowdhory

- Vice President of the International Association for Study on Forced Migration (2015-2020)

## **Publications**

Prof. Bidyut Chakrabarty

Chakrabarty, Bidyut. (2018). *Constitutional Democracy in India*. London and New York: Routledge. [ISBN: 978-1-351-37530-6].

Chakrabarty, Bidyut. (2017). *Indian Constitution: Text, Context and Interpretation*. New Delhi: Sage Publications. [ISBN: 978-9-386-44610-7].

Chakrabarty, Bidyut. (2017). *Localizing Governance in India*. London and New York: Routledge. [ISBN 978-1-315-52896-0]

Prof. Ujjwal K. Singh

Article:

Singh, Ujjwal K. (2018). The Inside-Outside Body: National Human Rights Commission of India. *Economic and Political Weekly*, LII (5).

Popular Articles:

Singh, Ujjwal K. (2018). Raag Darbari tells us that trust in political authority can never be absolute. *The Wire*, (22 January). [Co-authored].

Prof. Rekha Saxena

Chapter

Saxena, Rekha. (2017). Multilayered Governance in Delhi. In *State politics in India*. Roy, Himanshu and Singh, M. P. Delhi: Primus.

Saxena, Rekha. (2017). Occasional Paper: Gendering Federalism in India. Ottawa: Forum of Federations.

Saxena, Rekha. (2018). The Indian Supreme Court and Federalism: Federalism and Regionalism, (co-authored).

Saxena, Rekha. (2018). Rethinking central planing: A federal critique of the Planning Commission. *India Review*. [Co-authored].

Saxena, Rekha. (2017). The rise of judicial power and the protection of federalism. In Nicholas Aroney and, John Kincaid (Eds.), *The Supreme Court of India: Courts In Federal Countries: Federalists or Unitarists?* (Eds.). University of Toronto Press. [Co-authored].

Prof. Sangit K Ragi

Article:

Ragi, S. K. (2017). Review of the book *Jammu and Kashmir: Politics of Identity and Separatism*, by Rekha Chaudhary. *Studies in Indian Politics*, 5 (1). New Delhi: Sage Publications.

Prof. Sunil K Choudhary

Book:

Ragi, S. K. (2018). *The changing face of parties and party systems: a study of Israel and India*. Springer and Palgrave Macmillan. [ISBN: 978-981-10-5174-6].

Prof. Veena Kukreja

Kukreja, Veena. (2017). Dynamics of change and continuity in India's foreign policy under Modi's regime. In Shantesh Kumar Singh (Ed.), *India's Foreign Policy: Continuity with Difference under Modi Government*, (pp.1-17). New Delhi: Manak.

Dr. Nasreen Chowdhary

Books

Chowdhory, Nasreen. (2018). Refugees, citizenship and belonging in South Asia. Singapore: Springer Nature. [ISBN: 978-981-13-0197-1 (e-book) & 978-981-13-0196-4 (hardcover)] Doi: <https://doi.org/10.1007/978-981-13-0197-1>

Dr. Bipin Kumar Tiwary

Articles:

Tiwary, Bipin Kumar. (2017). Non-Traditional Security in India: Understanding Environmental Issues in Himalayan Region. *International Journal of Multidisciplinary Educational Research*, 6-4(1), [Impact Factor 4.527, Index Copernicus Value 5.16; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). New Horizons in Higher Education- A Case Study. *International Journal of Multidisciplinary Educational Research*, 6-4(6), [Impact Factor 4.527, Index Copernicus Value 5.16; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). Removing Regional Imbalances through Currency Demonetization. *International Journal of Multidisciplinary Educational Research*, 6-4(7), [Impact Factor 4.527, Index Copernicus Value 5.16 & amp; International Scientific Indexing Value: 2.286].

Tiwary, Bipin Kumar. (2017). Role of Teacher for Promoting Values. *Golden Research Thoughts*, 6(10). [ISSN: 2231-5063]

### Research Projects

S.No.	Title/Description	Principal Investigator	Sponsoring Organization
1.	Democracy, Norms and Institutions	Navnita C. Behera (as Head of the Department & CAS/SAP Coordinator) * Prof. Sanjeev Kumar H.M. as Deputy Coordinator	UGC/CAS/SAP
2.	The Politics of Autonomous Migration: A study of Indian Middle class Women	Dr. Nasreen Chowdhory	ICSSR
3.	Re-working the 'Knowledge Structures' in International Relations: Indian Contributions	Prof. Navnita C. Behera	ICSSR
4.	Education as a Site of Exclusion: A Study of Indian Universities	Prof. N. Sukumar	ICSSR
5.	Social Psychology of marginalization and exclusion: A Case Study of Dom and Musahar community in Bihar	Prof. Sangit K. Ragi (along with Prof. G.P. Thakur, CARDIC)	ICSSR
6.	Popular Imaginaries and Discourses on Politics in India: Exploring Cultural Narratives as Alternative Sites of Knowledge Construction	Prof. Sanjeev Kumar H.M.	ICSSR
7.	Rajya Sabha : From Secondary to Federal Chamber	Prof. Rekha Saxena	UGC
8.	Democratisation of State in South Asia	Prof. Veena Kukreja	ICSSR

### Seminars / Conference Organised

- UGC CAS-SAP National seminar on “Democracy and Rights Discourse in India: Norms, Institutions and Practices” in Department of Political Science, 28<sup>th</sup>-29<sup>th</sup> July, 2017.
- UGC CAS-SAP National Seminar on “Problematizing Sexuality and Violence: Deconstructing Institutions, Norms and Narratives in India” by the Research Network on Feminist Engagements with Law and the State, Department of Political Science, University of Delhi, 23<sup>rd</sup>-24<sup>th</sup> August, 2017.
- UGC CAS-SAP , National Workshop, Feminist Methodology, 24-29 , August, 2017
- UGC CAS SAP, National Seminar, Democratising Governance in India, 14- 15, September 2017.
- Talk “Federalising Nepal: Issues & Challenges” by Dinesh Tripathi (Constitutional Lawyer from Nepal) , 13<sup>th</sup> September, 2018
- Panel Discussion “Legislature Versus Judiciary – Driving Discourse for Good Governance :A debate to assess relationship between two key institutions of the State” organised by Comparative Federalist Research Group in collaboration(CFRG) with The Dialogue , 16<sup>th</sup> October, 2017

- International Workshop ‘Public Finance, Urban Policy and Federalism’ CFRG in association with Centre for Research in Rural and Industrial Development (CRRID), Chandigarh and RANEP, Moscow, November 27, 2017
- UGC CAS-SAP National Seminar on “Polity as Fiction, Fiction as Reality: 50 years of Raag Darbari”, Department of Political science, 29<sup>th</sup>-30<sup>th</sup> January, 2018
- ICSSR Sponsored Research Programme Round Table on “Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society” organised by Prof. Madhulika Banerjee, 5<sup>th</sup>-6<sup>th</sup> February, 2018
- International Workshop, State and Statelessness: Unorthodox Solutions to Dispossession in South Asia, February 20, 2018.
- International Workshop “Intergovernmental Relations in India and Ethiopia: Experience Sharing” CFRG in collaboration with Forum of Federations, Ottawa & Indian Institute of Public Administration, New Delhi, 5<sup>th</sup> March, 2018.
- Panel Discussion “Women Empowerment” CFRG in collaboration with Sanskriti foundation on the occasion of International Women's Day on March 8, 2018
- UGC CAS-SAP National seminar "Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe" organised by Intellectual History Research Group and South Asian Research Group, 13- 14th March, 2018
- Ph.D Work-in-Progress Workshop at the Department of Political Science, University of Delhi, 16<sup>th</sup> March, 2018

### **Seminar/Conference Presentations**

Participation of Faculty

International Conference

Prof. Madhulika Banerjee

Paper titled, Locating the ‘U’ in AYUSH: The making of the Unani pharmaceutical in post-colonial India accepted for presentation in the panel on Asian Medical Industries at the International Conference for Traditional Asian Medicines, Kiel, Germany 6-9 August, 2017.

Lecture on ‘Alternative Medicine Marketplace’ at The Wellcome Institute, London, on 15 February 2018.

Prof. Navnita Chadha Behera

Speaker in a Semi-Plenary Roundtable on “The Profession of IR in a Global Perspective,” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Paper presented “Political Thought and IR Theory: Does the Twain Meet?” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Chaired a Panel Discussion on “Theorizing International Relations by Drawing on Indian Intellectual History,” at the WISC Fifth Global International Studies Conference at Taipei, Taiwan, April 2017.

Co-Chair, Global South Task Force, set up by International Studies Association Governing Council, 2017.

Prof. N. Sukuamr

Indo-Swiss Joint Research Report writing Initiative on “Well-being, Poverty and Vulnerability”, ICSSR and University of Fribourg, Fribourg, Switzerland, 30th September to 14<sup>th</sup> October, 2017.

Indo-Swiss Joint Research Program in the Social Sciences, Session on “Well-being, Poverty and Vulnerability”, ICSSR and University of Lausanne, Basle, Switzerland, 4th to 6<sup>th</sup> September, 2017

“Relevance of Ambedkarite Constitution in Contemporary India”, International Conference on “Reclaiming Social Justice: Revisiting Ambedkar”, Govt of Karnataka, 21-24<sup>th</sup> July 2017, Bengaluru.

Prof. Satyajit Singh

‘The ‘Political’ in the Local: Institutions & Governance for Sustainable Development’, *Third International Conference on Public Policy*, National University of Singapore, 27-30 June, 2017.

Dr. Nasreen Chowdhory



The Journey of Being 'New' Citizens in India: The Enclave People in West Bengal in 7<sup>th</sup> Istanbul Human Security Conference, 18-20 October 2017, Turkey

Dr. Sohini Guha

"Democratic Deepening in India : Some Predicaments." Paper presented at the 10<sup>th</sup> International Convention of Asia Scholars, organised by the Institute of Asian Studies of Leiden University, Netherlands, in collaboration with Chiang Mai University, Thailand, in Chiang Mai, Thailand, 20-23 July 2017.

Prof. Ujjwal Kumar Singh

Paper presented "Special Police Positions Officers, Policing and Internal Conflicts in India", at an international conference on "Policing in South Asia: Dilemmas of Governance and the Making of Participatory Communities", at Jawaharlal Nehru University, 6th January 2018.

Paper presented "Political Culture, Democracy, and Citizenship in India", in an international conference on "Constitutional Democracy: Normative Frameworks", University of Wurzburg, Germany (under the UGC-DAAD funded Indo-German Partnership in Higher Education project), 7-8 December 2017.

Chaired a session on "Politics, Institutions and Village India", in an International Conference on "Polity as Fiction, Fiction as Reality: Fifty Years of Raag Darbari" organised by the Department of Political Science, University of Delhi, 29-30 January 2018.

Prof. Sunil K Choudhary

Session Chaired/Address, 'The RND of India's Foreign Policy', at the International Conference on "India's Ascendancy in Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities", Shyam Lal College, University of Delhi, 27 October 2017.

Keynote Address, "Exploring Indian Alternative to Political Thinking", at the International Conference on "Indian Vision of Political Thinking: Possibilities of Global Perspective", Department of Political Science, Chaudhary Charan Singh University, Meerut, Uttar Pradesh, Indian Political Science Association [IPSA] and Global Organization of People of Indian Origin [GOPIO] International, 12-13 August 2017.

Chaired a Session on "India-Vietnam: Security and Defence Cooperation", at the International Conference on "Emerging Horizons in India-Vietnam Relations", Teen Murti Museum and Library, Southeast Asia Research Group, Department of Political Science, University of Delhi and Zakir Husain Delhi College, University of Delhi, 4 July 2017.

### **National Conferences**

Prof. Madhulika Banerjee

- Lecture on "A Nation and its Knowledges: Nationalism and the People that Make India" at the Zakir Hussain College Seminar on Nationalism, April 2017.
- Lecture on "The State and Development in India: Is the Indian state committed to a Knowledge Society?" at the Motilal Nehru College Golden Jubilee Plenary in September 2017.
- Presented a paper titled, Gender, Knowledge, Medicine: recipe and formulation, song and text at the "Workshop on Feminist Methodology", under the aegis of UGC CAS-SAP at the Department of Political Science, University of Delhi, from 18-22 September 2017.
- Lecture on "Responding to The Gauri Lankesh Reader" at City Scripts, a two-day literary even organised by the Indian Institute of Human Settlements, Bangalore, at Max Mueller Bhavan, New Delhi on 10<sup>th</sup> March, 2018.

Prof. N. Sukumar

- Two Lectures- 1) Researching Subalternity 2) Understanding a Concept and Its Philosophy: Lectures developed at the ICSSR Sponsored National Level Ten Days Research Methodology Workshop, on the theme- Researching Subalternity in Social Sciences and Humanities, Dr. Ambedkar Chair, Tezpur University, Assam, 19<sup>th</sup> March 2018
- Chaired a Technical Section, "Buddhism, Caste and the idea of Nation", Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe, University of Delhi, 14<sup>th</sup> March 2018
- Plenary Lecture: "Periyar and the Idea of the Nation", Beyond Identities: Reflections from South Asian Imaginaries of Nation and Universe, University of Delhi, 13<sup>th</sup> March 2018

- Valedictory Address, “Economic Lives and Dalit Colonies in Kerala”, K.R. Narayanan Chair for Human Rights and Social Justice, M. G. University, Kottayam, Kerala, 5-7<sup>th</sup> Dec 2017
- Keynote Speaker, “Reading Dalit lives”, Workshop in Memory of Dr. P. Pradeep, Calicut- 3-4<sup>th</sup> Dec 2017
- Chaired a technical secession on Gender, Sexuality and Law, Workshop on Feminist Methodology, Dept. of Political Science, Delhi University, 21<sup>st</sup> September, 2017.
- Special Lecture Series 101 on the Occasion of B.R. Ambedkar’s birth anniversary “Ambedkar’s Ideas on Federal System”, Organised by Center for Multilevel Federalism, Institute of Social Sciences, New Delhi, 18<sup>th</sup> April 2017.
- “Dalit Politics: Caught Between Ideology and Identity”, National Conference on Electoral Politics in Contemporary India: Emerging Trends, Maulana Azad National Urdu University, Hyderabad, 22<sup>nd</sup>-23<sup>rd</sup> February, 2018
- The Margins and the Social History”, National Seminar on Pluralism and the Crisis of Identity, Organised by Dr. Ambedkar Center for Social Justice & Centre for Promotion of Democracy & Secularism, University of Mumbai, 12-13 March 2017.
- Chief Guest on 126<sup>th</sup> B.R. Ambedkar’s Birth Anniversary, ‘Ambedkars Relevance on Education in Contemporary India’, Organised by School of Open Learning, South Campus, University of Delhi, South Moti Bagh, Delhi, 14<sup>th</sup> April 2017.
- Keynote Speaker, on the occasion of Baba Saheb Ambedkar’s birth anniversary, organised by School of Open Learning, North Campus, University of Delhi, Delhi, 13<sup>th</sup> April 2017

Prof. Shanta Nedungadi Verma

- Delivered lecture on "Challenges to Peace Building and Security in South Asia", Lady Shri Ram College, 8 April 2017.

Prof. Ujjwal Kumar Singh

- Paper presented on ‘Is there a Colour of Terrorism: Religion, Law and Politics’, at a National Conference on ‘Religion, Difference and Politics’, organised by the Centre for Political Studies, Jawaharlal Nehru University, Delhi, 19-20 March 2018.
- Paper presented on “Political Education and Social Media”, at a National Symposium on “Student Politics, Social Media and Political Education” organised by Central Institute of Education, Department of Education, University of Delhi, Delhi, 16 February 2018.
- Paper presented on ‘Indian Constitutionalism: Challenges Ahead’, at a conference on “India in 2030” at the Sri Guru Nanak Dev (SGND) Khalsa College, University of Delhi, 11 January 2018.
- Paper presented on ‘The “Inside-Outside” Body: National Human Rights Commission of India’, at one day Training Programme on Human Rights organised by Ambedkar University Delhi (AUD), and National Human Rights Commission (NHRC), New Delhi at AUD, Delhi, September 8, 2017
- Chaired and speaker at a Social Science Research Colloquium on the theme “State, Identity and Citizenship” organised by the Department of Political Science, Gauhati University, Guwahati, 24th March 2018.
- Chaired the Inaugural Session on “Indian Democracy and Tribal Issues” in the National Seminar organised by the SC/ST Advisory Committee, Satyawati College, University of Delhi, August 27, 2017.
- Chaired the Plenary Session on “The State and Development in India: Is the Indian State committed to a Knowledge Society?” in UGC sponsored two day National Seminar on “Today’s India: Culture, State and Economy”, organised by Motilal Nehru College (Evening), University of Delhi, 6-7 September 2017
- Paper presented on “Outline of the Legal System in India”, at a Workshop on “Legal Literacy and Your Laws, Your Rights” (6 to 10 November 2017), organised by the Department of Political Science, University of Delhi, Delhi, 6 November 2017.
- Prof. Sangeet Kumar Ragi

- Chaired/ Chief Guest/Main Speaker a Session at National Seminars on , Motillal Nehru College, University of Delhi, Delhi, 7 September 2017.
- Chaired a National Seminar on “Peasant Movement”, The Nehru Memorial Museum and Library, New Delhi, 27 April 2017.
- Chaired a National Seminar on “Kashmir- Present Challenges in Historical Perspective”, DCRC, 20 April 2017.

Prof. Sunil K Choudhary

- Paper presented on “Democratic Transformation and Political Transition: A Study of Haryana”, at the National Conference on “State and Politics”, Nehru Memorial Museum and Library, New Delhi, 18 May 2017.
- Lecture on “Brothering the Sister States: BJP in the North East”, at the National Seminar on “State Politics in India with Special Reference to North East India”, Nehru Memorial Museum and Library, Teen Murti, New Delhi; Indian Council of Social Science Research [ICSSR], North East Regional Centre and Department of Political Science, North Eastern Hill University [NEHU], Shillong, 14 March 2018.
- Keynote Address on ‘India’s Electoral Democracy: Changing Dimensions, Directions and Dynamics’, at the National Seminar on “Party Politics in India: Emerging Trends”, DAV College, Jalandhar, Punjab, 24 February 2018.
- Chaired a Session on, “Session III: Disseminating Knowledge Issues in Development”, at the Round Table on “Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society”, Department of Political Science, University of Delhi, 6 February 2018.
- Lecture on “Combating Corruption through Correction: Individual as a Catalyst of Transformation”, Centre for Federal Studies, Jamia Hamdard, New Delhi, 11 January 2018.
- Special Lecture on “Indianising India: Sardar Patel and National Integration”, at the National Unity Day, National Science Centre, Delhi, 31 October 2017.
- Lecture on “Researching Social Sciences: Changing Trends”, Faculty Development Program in Social Sciences, Shakuntala Misra National Rehabilitation University, Lucknow, 11 October 2017.
- Chaired a Session on “Democratizing Space, Norms and Values: Understanding Feminist Methodology”, at the National Workshop on “Feminist Methodology”, UGC CAS-SAP II Program, Department of Political Science, University of Delhi, 20 September 2017.
- Chaired a Session on “Subaltern Consciousness: The Significance of Identity and Agency in India”, at the National Seminar on “Today’s India: Culture, Society, State and Economy”, Moti Lal Nehru College [Evening], University of Delhi, 6 September 2017.
- Lecture on “Researching Education: From D3 to R3”, at the National Program on “Higher Education and Research: Issues and Challenges for Change in India”, JRN Rajasthan Vidyapeeth University, Udaipur, Rajasthan and Jawaharlal Nehru University, New Delhi, India International Centre, New Delhi, 24 May 2017.
- Lecture on “Changing Nature of Social Science Research”, ICSSR Sponsored Capacity Building Program, Aligarh Muslim University, Aligarh, Uttar Pradesh, 28 April 2017.
- Lecture on “Philosophical Origins of Creative Teaching”, 11th Pablo Neruda Lecture, Developing Countries Research Centre [dcrc], University of Delhi, 3 April 2018.
- Regional/State level
- Chaired a Session on “Introducing Comparative Theory”, One Day Seminar, on “Comparative Theory Today: Changes and Challenges”, Developing Countries Research Centre [dcrc], University of Delhi, 12 March 2018.
- Lecture on "Nationalizing Election in India: A Federal Perspective", Interactive Discourse, Developing Countries Research Centre [dcrc], University of Delhi, 28 December 2017.

- Lecture on “Understanding Subalterns in Contemporary Times”, Interactive Discourse, Developing Countries Research Centre [dcrc], University of Delhi, 26 September 2017.
- Delivered a Talk on “Derc Samiksha: Delhi Municipal Survey Results”, Election Workshop, Developing Countries Research Centre [dcrc], University of Delhi, 23 April 2017.
- Lecture on “Samiksha: Lensing Delhi through Municipalities”, Workshop cum Interface Interaction, Developing Countries Research Centre [dcrc], University of Delhi, 10 April 2017.
- Local – University/College
- Lecture on “Parties Under Transformation: From Populism to Governance”, Dyal Singh College [Evening], University of Delhi, 6 April 2018.
- Chaired on “Challenges of Technological Changes”, 30th Zakir Husain Memorial Lecture, Zakir Husain Delhi College, University of Delhi, 6 April 2018.
- Lecture on “Electoral Politics in India: Changing Trends”, Rajdhani College, University of Delhi, 26 September 2017.
- Lecture on “From Constitutional Morality to Democratic Morality: Ambedkar’s Vision of the 21st Century India”, Ajay Sathpathy Memorial Lecture, Ram Lal Anand College, University of Delhi, 19 April 2017.
- Lecture on “Towards Substantive Democracy: Ambedkar and Changing Democratic Discourse”, Satyawati College, University of Delhi, 15 April 2017.
- Lecture on “Changing Secular Discourse: An Indian Perspective”, Dr Bhim Rao Ambedkar College, University of Delhi, 11 April 2017.
- Lecture on “Humanizing the Humans: Human Rights in Contemporary Times”, Lady Shri Ram College, University of Delhi, 6 April 2017.
- Prof. Shri Prakash Singh
- Lecture on “Research Methodology of Indian Classics”, DCRC, Delhi University /ICSSR, New Delhi, May 18 2017.
- Lecture on “Research Methodology to research in Indian Classics”, at DCRC, University of , Delhi, May 9 2017,
- Lecture on “Importance of terminology in Ancient Classics”, Jamia Milia Islamia, New Delhi, 3 July 2017,
- Lecture on “Research Methodology to study Indian Classics” BHU, Social Exclusion Centre , July 8 2017.
- Lecture on “New Education Policy”, BBAU, Mahu, Indore, 8 August 2017.
- Lecture on “Political Philosophy of Deendayal Upadhyaya”, Gautam Budha University ,G Noida, 15 September 2017.
- Lecture on “Secularism in India”, Gargi College, Delhi University, 20 September 2017.
- Lecture on “Gandhi”, ZHC, Delhi University, 1 November 2017.
- Lecture on “Deendayal Upadhyaya” CPDHE, Delhi University, 1 December 2017.
- Lecture on “Knowledge Tradition of India”, Capacity Building Programme, Vanasthali Vishvavidyalaya, 11 December 2017.

Prof. Rekha Saxena

- Presented a paper on “Principle of wheighted equality in Indian Federation: A case study of Union territory model” at IACFS International Conference held at Institute of Fedralism, University of Fribourg, Switzerland. 11 – 13 October 2017.

Prof. Satyajit Singh

- Democratic Institutions & Political Capacity’, *IPPN International Conference on Public Policy and Governance*, KIIT, Bhubaneswar, Feb 28-Mar 1, 2018.

- ‘Rethinking Administrative Theory from Rural India’, *International Conference on Polity as Fiction, Fiction as Reality: Fifty Years of Raag Darbari*, University of Delhi, 29-30 January, 2018.
- *Special Lecture Series: 103*, ‘The Local in Governance’, May 2, 2017, Institute of Social Sciences, New Delhi.

### Other Inter-Institutional Collaboration

Programmes Taken Up Involving Inter-Institutional Collaboration

S.No.	Title	Principal Investigator	Sponsoring Agency
1.	Knowledge, Development and Politics in Post-Colonial India: Contestations in State, Market and Civil Society	Prof. Madhulika Banerjee	ICSSR Partners Institutions are: Institute of Rural Management, Anand, Azim Premji University and South Asian Network for Dams, Rivers and People
2.	U-21 (Universitas -21) for special module as part of the Masters Program	Prof Navnita C. Behera (Convenor on behalf of Department) and Dr. Nasreen Chowdhory	University of Delhi, University of Melbourne, Australia and University of Birmingham, UK
3.	Project Document for Capacity Assessment of NGOAB, Prime Minister's Office, Government of Bangladesh	Prof. Satyajit Singh	Government of Bangladesh

### Extension and Outreach Activities

Prof. Ujjwal Kr. singh

1. ‘The ‘Inside-Outside’ Body: National Human Rights Commission of India’, paper presented at one day training programme on human rights organised by Ambedkar University Delhi (AUD), and National Human Rights Commission (NHRC), New Delhi at AUD, Delhi, September 8, 2017
2. Resource Person for Capacity Building Programme on Political Science for CBSE teachers (Class XII), CBSE Centre for Excellence, at The Millennium School, Panipat, January 12-13, 2018.
3. Resource Person for Capacity Building Programme on Political Science for CBSE teachers (Class XII), CBSE Centre for Excellence, at Amity International School, Ghaziabad, February 22-23, 2018.

Number of MPhil/PhD Awarded:

Number of Ph.D. degrees awarded: 10

Number of M. Phil. degrees awarded: 24

**Faculty Strength: 19**

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## SOCIAL WORK

### Major Activities and Achievements

During the academic year 2017-2018, the Department of Social Work reached numerous milestones and added a number of accomplishments to its credit. It continues to enjoy the status of UGC Centre of Advanced Studies. The Department coordinated and extended the Community Development Cell (CDC) on behalf of the University of Delhi. CDC initiative was undertaken on the recommendation of Honourable President of India. Under this initiative, work was expanded in the area of health, education and livelihood in the five villages; namely Badarpur Khadar, Chauhan Patti, Jagatpur, Mukundpur and Jharoda. The Department has also been designated the Nodal Agency for Unnat Bharat Abhiyan Initiative of the University of Delhi.

The Department entered into a number of international collaborations, held a number of seminars and workshops both for the benefit of the community and the faculty. The Department collaborated with government agencies for training their staff. For instance, a five days Residential Camp at Tihar Prison was organised by the Department to impart soft skills training to Jail staff. The Department initiated *Lecture Series on Mental Health and Well-Being* for the students and faculty to help them cope with the normal

stressors of life and work productively. In keeping with the spirit of inclusivity the Department organised an exclusive job fair for differently-able job seekers in association with a Trust. Another important activity of the Department was the celebration of North East Day to acknowledge the diversity of cultures which constitute the spirit of India.

In addition, the Department continued to maintain its position as second-best school of social work in India in Outlook survey and was also ranked number two in the India Today survey, 2017. The distinguishing feature was that in academic excellence, Department was ranked number one in the Outlook survey. The Department also successfully secured jobs for all the students who had opted for campus placements.

### Honours/Distinctions

Department has been ranked number two in the Outlook magazine's ranking of the schools of social work in India in 2017

Department has been ranked number one on 'Academic Excellence' and 'Placements' in the Outlook magazine ranking in 2017.

Department has been ranked second in the India Today Survey of the schools of social work in 2017.

Department of Social Work was the nodal agency for the *Unnat Bharat Abhiyan* in 2017 of the University of Delhi.

Prof. Gangrade, retired faculty of the Department and erstwhile Pro Vice Chancellor of the University of Delhi was honoured with the prestigious Distinguished Service Award for Retired Teachers, given to highly deserving individuals who have rendered exemplary service to the University. The Award was conferred on the occasion of the 95th Foundation Day of the University of Delhi.

Prof. Sanjai Bhatt was conferred the Prof. V.K.R.V Lifetime Award in Social Sciences which has been given by the Indian Social Science Association. He has also achieved the special distinction of becoming the Ambassador for the Global Social Service Workforce Alliance headquartered at U.S.A.

Prof. Manoj Kumar Jha was elected as an Honourable Member of the Rajya Sabha.

### Publications

Adusumalli, M. (2017). Mountain communities and sustainable development. *Reflections from Uttarakhand*. Scholar Publishing House. New Delhi. [ISBN 978-81-932035-2-1].

Adusumalli, M. (2017). Understanding the process of development: a case study on eco-income generation approach. New Delhi, India: Excel India Publishers. [ISBN 978-93-86256-71-3].

Adusumalli, M., & Anand, M. (2017). Caste, patriarchy and gender. In M. Adusumalli & M. Anand (Eds.), *Gender and social work: positions and practices* (pp.14-17). New Delhi, India: Regal Publications. [ISBN 978-81-8484-665-2].

Adusumalli, M., & Anand, M. (Eds.). (2017). *Gender and social work: Positions and practices*. New Delhi, India: Regal Publications. [ISBN. 9788184846652].

Adusumalli, M., and Anand, M., (Eds.). (2017). *Gender and social work: Positions and practices*.

Agnimitra, N. (2017). Disaster management and social work education: A praxis of learning and practice. *The International Emergency Management Society Newsletter* – [Special Edition - Issue 6].

Agnimitra, N. (2018). Should I stay or should I go? Mitigation strategies for flash flooding in India (co-authored). *International Journal of Disaster Risk Reduction*, 27 March 2018, 48-56. <https://doi.org/10.1016/j.ijdr.2017.09.019>.

Anand, M. (2017). Role of rural camps in nurturing field practicum: Narrative from a faculty of social work, Delhi, India. *Social Work Education* 36(5), 521-528.

Anand, M. (2017). Community mental health in India: Perspective, challenges and strategies. *Delhi Psychiatry Journal*, 20(1), 7-14.

Anand, M. (2017). Contemporary urban adolescents: A psycho social Journey. In S. Aleem, S. Bano & M.G. Shahnawaz (Eds.), *Health and Well Being Among Children and Youth in India* (pp-89-100). New Delhi, India: Excel India Publishers.

Anand, M. (2017). HIV affects women: Social implications from a study in Delhi, India. *Asian Man (The) - An International Journal*, 11(1), 69-72. ISSN: 0974-6366 [Co-authored].

Anand, M. (2017). Social work in schools: Integrating gender concerns. In M. Adusumalli & M. Anand (Eds.), *Gender and social work: positions and practices* (pp.117-137). New Delhi, India: Regal Publications. ISBN 978-81-8484-665-2.

Anand, M. (2018). Globalisation, gender and education: An Indian context, quest in education 43(1), 2-16, Gandhi Shiksha Bhavan, Indian Council of Basic Education, Mumbai. ISSN 0048-6434.

Anand, M. (2018). Promoting mental health of school children: Indian reflections. *Indian Journal of Health & Well Being*, 9(2). ISSN: 2229-5356

Anand, M. (2018). Social work approaches in mental health: A contemporary view. *Educere: BCM Journal of Social Work*, 13(2). ISSN 2249-1090

Batra, S. Co-author (with Dr. Archana Kaushik) for the following units for BSW Course on Research methods, Indira Gandhi National Open University

Block: Social Work Research Process

Unit 1: Stages in Research

Unit 2: Research Design

Unit 3: Methods and Types of Sampling

Unit 4: Methods and Tools of Data Collection

Block: Data Processing and Tabulation

Unit 1: Editing, Coding, Processing and Tabulation of Data

Unit 2: Data Analysis, Interpretation and Report Writing

Unit 3: Basics of Statistical Techniques

Bhat, I., & Maske, S. (2017). Anti-oppressive social work theory and practice: Contextualizing the caste debate in Indian social Work Education. In R. Jare & S. Kale (Eds.), *Caste in Modern India: Atrocities against Dalits*. Houston, USA: Stadium Press. ISBN - 978-93-85046-11-7.

Bhatt, S., & Kumari, S. (2017). Centum work skills India: Large scale vocational training for youth. *How the private sector develops skills: lessons from India (Part II Case Studies)*. India: UNDP and Istanbul International Centre for Private Sector in Development

Bhatt, S., Singh, A., & Phukan, D. (2017). The state of criminal justice social work education and professional training in India. In Chong, M. D. & Francis, A. P. (Eds.), *Demystifying Criminal Justice Social Work in India*. India: Sage.

Gogoi, M. (2018). Emotional coping among communities affected by wildlife-caused damage in north-east India: Opportunities for building tolerance and improving conservation outcomes. *Oryx, The International Journal of Conservation*. [20180030-6053 (Print), 1365-3008 (Online)].

Islam, K. M. B., Khan, A., & Raushan, A. (2017). Emerging trends in minority political parties and politics in India: A quest for a political space by the Muslims in India. *Perspectives in Social Sciences*, 26-41. Bangladesh: Centre for Advanced Research in Social Sciences University of Dhaka.

Jajuo, K. (2017). Sexual crimes against children: Incidences and interventions from tribal belts. *Journal of North East Region*, 127-132. ISSN: 2321-0583.

Jha, M. (2017, April 3). 'Dear opposition, We have failed India', *The Citizen*.

Jha, M. (2017, April 31). We have failed to protect the 'Idea of India', *The Tribune India*.

Jha, M. (2017, November 14). 'We need more youthful dreamers like you': A letter to Jawaharlal Nehru, *The Wire*.

Jha, M. (2017, November 14). Hindi-ke-jawahar-ke-naam-ek-khat-jaha-garam-hawa-ka-bemuravat-mosam-badal-hi-nahi-raha, *The Citizen*.

Jha, P. (2017). Book Review of South Asia State of Minority Reports. *Social Change*, 47(1) (3). Sage Publications

Jha, P. (2018). Identity and cultural rights of minorities in India. In S. Hassan (ed.), *India Together: India State of Minorities Report 2018*. New Delhi, India: Books for Change.

Kaushik, A. (2017). 'From hunger deaths to healthy living: A case study of Dalits in Varanasi District, Uttar Pradesh, India. *Contemporary Voice of Dalit*, 10(1), 1–9. DOI: 10.1177/2455328X17744623. Retrieved from: <http://vod.sagepub.com>.

Kaushik, A. (2017). Self-awareness: Rhetoric or reality. *Journal of Social Work Values and Ethics*, 14(1), 21-29. ISSN: 1553-6947.

Kaushik, A. (2017). Unending darkness: Conditions of elderly in night shelters in Delhi. *BSSS Journal of Social Work*, 8(1), 1-23.

Kaushik, A. (2017). Women leaders in grassroots governance. In M.M. Verma (Eds), *Women Empowerment Perspectives and Dimensions*. New Delhi, India: Serials Publications. ISBN: 978-8193319017.

Kaushik, A. (2018). Can you afford to die? Estimates of expenditure on rituals and impact on ecology. *Economic & Political Weekly*, 53(3).

Kaushik, A. As co-author (First and corresponding author: Prof. Sushma Batra), wrote the following units for BSW Course on Research methods, Indira Gandhi National Open University:

Block: Social Work Research Process

Unit 1: Stages in Research

Unit 2: Research Design

Unit 3: Methods and Types of Sampling

Unit 4: Methods and Tools of Data Collection

Block: Data Processing and Tabulation

Unit 1: Editing, Coding, Processing and Tabulation of Data

Unit 2: Data Analysis, Interpretation and Report Writing

Unit 3: Basics of Statistical Techniques

Kaushik, A. Prepared the following modules under e-pathshala, MHRD project of e-Content Development for PG Program in HRM

1) Community Engagement and Child Development

2) Community Engagement in Conflict Resolution

3) Quality Education and Community Engagement

4) e-governance and Community Engagement

5) Community Engagement in Health Promotion

6) Steps in Community Engagement

7) Models of Community Organization

Mitra, A., & Khan, A. (2017). Green tourism management in India- 'A 3D study of the seven sisters states of North-East with special reference to eco-tourism'. *International Journal of Innovative Research in Science, Engineering, and Technology*, 6(4), 6923-6932. ISSN: 2319-8753 (Online), 2347-6710 (Print).

Pandey, N. (2016). Resource mobilization for e-content for social welfare administration, course developed by Consortium of Educational Communication (CEC), EDUSAT

Pandey, N. (2016). Violent lives, violent families in social justice and social work profession in India. In S. Pathare, S. Bhatt, & J. Verghese (Eds.), *Challenging Responses and Responding Challenges* (pp. 273-285). Jaipur, India: Manas Publishers & Distributors. ISBN 978-93-83231-30-0.

Pandey, N., & Pandey, V. (2017). Language of alienation: A site of cultural violence. *Journal of Exclusion Studies*, 7(1), 102-115. ISSN 2231-4547.

Rani, S. (2017, July). Rural health: Health infrastructure, equity and quality. *Kuruskhetra*, 65(9), 29-33. ISSN 0021-5660.



Rani, S. (2018). Social and structural inequality in health: Challenges and prospects of sustainable development. *International Journal of Research in Management and Social Sciences*, 6(1) (3).

Rani, S., & Amin, W. (Eds.). (2018). The state of marginalization and public health issues in India. New Delhi, India: Winshield Press. ISBN 978-81-934273-4-7.

Roy, S. (2017). Human rights and trafficking in women and children in India. *Journal of Historical Archaeology & Anthropological Sciences*, 1(5). Med Crave (August-online)

Roy, S. (2017). Urbanization and problems of slum dwellers in India: Right's perspective. In B. Chaudhuri & S. Biswas (Eds.), *Anthropology and Human Rights Jaipur, India*: Rawat Publication. ISBN-978-81-316-0838-8.

Roy, S. (2017). Women's political representation in India: Still Miles to Go. In M.M. Verma (Ed.), *Women Empowerment: Perspectives and Dimensions* (pp. 465-493). New Delhi, India: Serial Publication. ISBN-978-81-933190-1-7.

Sharma, S. (2017). Book Review: Meenaz Kassam, Femida Handy and Emily Janson, *Philanthropy in India: Promise to practice*. *Social Change*, 47(3). ISBN: 9789351507529.

Singla, P. (2017). Electronic content for E-PG Pathshala. Ministry of Human Resource Development, GOI.

(i) Rural women: Concerns, initiatives and success stories

(ii) Human Trafficking and Forced Marriages

Singla, P. (2017). Voices of the Poor: Lessons for policy makers. In P.P. Balan, S. George & T.P. Kunhikannan (Eds.), *Marginalization and Deprivation: Studies on Multiple Vulnerabilities*. Thrissur, Kerala: Kerala Institute of Labour Administration (KILA). ISBN 978-93-84557-84-3

Thakur, A. Prepared the following modules under e-pathshala, MHRD project of e-Content Development for PG Program in HRM

Paper Name: Human Resource Development through Community Development

(i) Module: Water and Health

(ii) Module: Engagement of Children with Disabilities through Inclusive Education.

Thakur, A., & Jayasena, C. (2017). The exclusion experiences of visually impaired female students in the Indian higher education system. In M. Adusumalli & M. Anand (Eds.), *Gender and Social Work: Positions and Practices*. New Delhi, India: Regal Publications. ISBN 978-81-8484-665-2

## Journals

- (i) Published by the Department – At present the Department is not publishing any journal
- (ii) Department teachers serving as editors/ members of editorial board- 4
  - a. Prof. Neerna Agnimitra:
    - Member, Editorial Board, *Environment and Social Psychology*, an international, peer reviewed, open access journal
    - Member, Editorial Board, *CJMR Journal of Management Research* (a journal of Dr. VikhePatil Foundation Centre for Management Research and Development)
    - Academic Advisor, *Learning Community* (a journal of educational and social development)
  - b. Prof. Pamela Singla:
    - Member, Editorial Board, *International Journal of Humanities and Social Sciences*.
  - c. Dr. Sanjoy Roy:
    - Associate Editor, *The International Journal of Religion and Spirituality in Society*, USA, from April 2017.
  - d. Mr. Sudhir Maske:
    - Member, Editorial Board, *Indian Journal of Sustainable Development(IJSD)*, ISSN-2394-7675 Published by Department of Social Work, Central University of Rajasthan & Publishing India Group, New Delhi (Since December 2014)

## Research Projects

Batra, Sushma. Course Director - Workshop on Research Methodology in Quantitative Research (29-05-17 to 07-06-17) funded by Indian Council of Social Science Research. (Completed)

Bhatt, Sanjai. Research Project "Survey of Toilets Constructed Under Swachh Vidyalaya Abhiyaan in Six States, Hindustan Petroleum Corporation, Mumbai (Completed)

Kaushik, Archana. A Comparative Study: Maternity Benefits & Child Care Provisions for Working Women in Public and Private Sectors in Delhi (as a consultant for 6 months) supported by National Commission for Women

Malathi, Adusumalli. Sustainable Development of Mountain Communities: A participatory approach-enhancing livelihoods, food security and capacity development for disaster preparedness and response', Bhatwari Block, Uttarkashi District, funded by ICSSR for a period of 2 years and 9 months (2014 to 2016). Report Submitted in July, 2017

Maske, Sudhir. Research Project on "Enhancing Educational and Vocational Aspirations among Scheduled Castes and Scheduled Tribes Students: An Action Research in Underdeveloped District of Chhattisgarh", funded by ICSSR (Ongoing)

Pandey, Neena. Establishment of Social Service Unit in Police Stations in Delhi for 2 years, Ministry of Human Resource Development, Government of India (Nirbhaya Fund)

## Seminars Organised

Total Number: 15

### Details (of 10 seminars)

*Women's Leadership Summit* –08th April 2017 jointly with Department and Women's Manifesto, sponsored by Human Welfare Foundation. Ms. Swati Maliwal, Chairperson, Delhi Commission for Women, Ms. Shabnam Hashmi and Dr. Sharnas Muthu, General Secretary, Women's Manifesto were the key resource person.

*Seminar on Social Justice in Neoliberal Times: Issues and Concerns*– 16<sup>th</sup> and 17<sup>th</sup> April, 2017. As special guest, Shri D. Raja, Prof. Gopal Guru from Centre for political Science, SSS, JNU Prof. Vivek Kumar, CSSS/SSS, JNU were invited.

*Lectures Series on Mental Health* (9<sup>th</sup> Sept., 2017 – 6<sup>th</sup> Feb. 2018). Prof. Aruna Broota (Psychologist & Mental Health Expert), Dr. Jahanara M. Gajendragad (HOD, Dept. of Social Work, IHBHAS) & Dr. Sumit Jain (Lecturer, School of Social Work & Political Science, University of Edinburgh) were the key resource person.

*Seminar on Beyond Prison Walls - Conversation on Prisoners' Rights* (23<sup>rd</sup> September, 2017) collaboration with Tihar Prisons, Bureau of Police Research and Development (BPR&D) and Commonwealth Human Rights Initiative (CHRI) at NDMC Convention Centre, New Delhi. Chief Guests: Honourable (Dr.) Justice B.S. Chauhan, Chairman, Law Commission of India, Honourable Justice Madan B. Lokur of Supreme Court of India and Mr. Manish Sisodia, Deputy Chief Minister of Delhi.

*Dr. S. Selvam Memorial Debate* (25<sup>th</sup> October, 2017) "*Professionalization of Sanitation Workers will Lead to Elimination of Manual Scavenging and the Stigma Attached to It*" in memory of Late Dr. Selvam. The debate was organised in collaboration with Action Aid. Chief Guest: Mr. Bezwada Wilson

*Seminar on Improving Development Effectiveness through Impact Evaluation and Evidence Synthesis* (30<sup>th</sup> January, 2018) collaborated with International Initiative for Impact Evaluation (3ie) as part of the 3ie Delhi Seminar series. Resource Person: Dr. Francis Rathinam, Senior Evaluation Specialist at 3ie and Dr. Denny John, Evidence Synthesis Specialist at Campbell Collaboration.

*Seminar on Migrant Workers: Rights and Concerns* (3<sup>rd</sup> February, 2018) in collaboration with Sadbhav Mission.

*A two-day National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society* (17<sup>th</sup> & 18<sup>th</sup> of February, 2018) in collaboration with National Institute of Social Defence under the Ministry of Social Justice and Empowerment.

*Seminar on Theory, Practice and Reflexivity: An Inquiry into the Domains of Sociology and Social Work* (1<sup>st</sup> April, 2017). Key Speaker: Prof. Avijit Pathak, Professor, JNU, Delhi

A talk on *International definition and the internationalisation of social work* on 8<sup>th</sup> September, 2017. Speaker was Prof. Mark Henrickson from the School of Social Work, Massey University, New Zealand.

The lecture was organised by Education New Zealand, which is New Zealand's government agency for international education

### **Seminar/Conference Presentations**

Mr. Abhishek Thakur, Guest Speaker, Educational Opportunities for Person with Disabilities on 2<sup>nd</sup> June, 2017, organised by Samarthanam Trust for the Disabled, New Delhi

Mr. Abhishek Thakur, Resource Person, in Two Days Training Workshop on Community Mobilization, from 12<sup>th</sup>-13<sup>th</sup> May, 2017, organised by Chetnalaya, New Delhi

Mr. Abhishek Thakur, Speaker, on Career Opportunities in the Globalized Market for student-members of the Equal Opportunity Cell (EOC), on 15<sup>th</sup> February, 2018 at Satyawati College, University of Delhi

Mr. Abhishek Thakur, Speaker, on Sustainable Livelihood Framework, on 28<sup>th</sup> February, 2018, by PGSS, Gorakhpur, Uttar Pradesh

Mr. Abhishek Thakur, Speaker on, *Possibilities on 18<sup>th</sup> July, 2017, organised by Noida Deaf Society, New Delhi*

Dr. Adusumalli Malathi, Speaker, on Ontology and Epistemology (for the ten day Research Methodology on Quantitative Research for Research Scholars), Organised by Prof. Sushma Batra, Department of Social Work, University of Delhi on 29<sup>th</sup> May, 2017

Dr. Adusumalli Malathi, Speaker, on Qualitative Assessment on Sustainable Energy and Better Models of Economic Development, organised by Royal Thimpu College, Royal University of Bhutan, Thimpu, Bhutan, on 5<sup>th</sup> October, 2017

Dr. Archana Kaushik, Delivered, a lecture on "Examining factors influencing elder abuse in socio-cultural paradigm" at seminar on laws for protection of older persons in India, organised by Helpage India at India International Centre, 8<sup>th</sup> January, 2018

Dr. Archana Kaushik, Speaker, in the session on "Data Processing including Data Entry and Preparation of uni-variate, bi-variate and multi-variate tables" at National level "Expediting Justice through Research" workshop for judges and officials in judicial administration, at Lok Nayak Jay Prakash National Institute of Criminology and Forensic Sciences, Ministry of Home Affairs, Rohini, New Delhi on 29<sup>th</sup> March, 2017

Dr. Archana Kaushik, Speaker, in the session on "Literature Review: process, types and related modalities" in a Ten days workshop on Research Methodology course for Scholars in Social science, sponsored by ICSSR at Department of Social Work, University of Delhi on 29<sup>th</sup> May, 2017

Dr. Archana Kaushik, Speaker, in the session on "References in Report Writing: APA style" in a Ten days workshop on Research Methodology course for PhD Scholars in Social science, sponsored by ICSSR at Department of Social Work, University of Delhi on 5<sup>th</sup> June, 2017

Dr. Archana Kaushik, Speaker, in the session on "Strategies for Sustainable Development of vulnerable sections of the society" in the Second International Conference on "The Canvas of International Business: Opportunities and Challenges" held on 24<sup>th</sup> and 25<sup>th</sup> February, 2018 at Bhopal School of Social Sciences, Madhya Pradesh.

Mr. Asif Khan, Presented, a paper on 'Interest Aptitude Screening Test and Parenting Program', from 15<sup>th</sup> to 16<sup>th</sup> April, 2017, organised by Department of Psychology, Aligarh Muslim University, Aligarh

Prof. Manoj Kumar Jha, Addressed, a gathering on 'Palestine: Centre of World Politics' on 19<sup>th</sup> Dec, 2017, at India Islamic culture Centre, Lecture Hall No. 1, Lodhi Road, New Delhi

Prof. Manoj Kumar Jha, Delivered, a talk at Anhad Baat Cheet in collaboration with Oxford Bookstore on "The Last Days of Mahatma Gandhi" on 29<sup>th</sup> January, 2018

Prof. Manoj Kumar Jha, Delivered, a talk on "The Myth of Objectivity in Social Science Research at Centre for North East Studies and Policy Research", Jamia Millia Islamia, New Delhi on 6<sup>th</sup> February, 2018.

Dr. Meenu Anand, Chaired, a session in National Seminar on 'Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society', Department of Social Work, University of Delhi, 17<sup>th</sup> to 18<sup>th</sup> February, 2018.

Dr. Meenu Anand, Conducted, a training on 'Gender Sensitization' with research scholars and M.Ed. students at the Centre for Women's Studies, Sri Lal Bahadur Shastri Sanskrit Vidyapeeth on 21<sup>st</sup> March, 2017.

Dr. Meenu Anand, Presented, a paper on 'Contemporary Urban Adolescents: A Psycho Social Journey' in the International Conference on 'Health and Well Being: An Interdisciplinary Inquiry'. Organised by Department of Psychology UGC-DRS programme, Jamia Millia Islamia from 22<sup>nd</sup> – 23<sup>rd</sup> March, 2017.

Dr. Meenu Anand, Resource Person, on 'Gender and Social Work' in the Orientation Programme for students of B.A. (Honours) Social Work, organised by Dr. Bhim Rao Ambedkar College, University of Delhi on 22<sup>nd</sup> July, 2017.

Dr. Meenu Anand, Resource Person, on 'Gender Understandings among Teachers and Students: Discourses from Delhi, India' in the Winter School organised by National Law University, Delhi and Università degli studi della Campania "Luigi Vanvitelli" (Formerly Second University of Naples) on 17<sup>th</sup> January, 2018.

Mr. N. T. Thomas, Presented, a paper on "Social Justice in Neoliberal Times: Issues and Concerns" on April 16<sup>th</sup> to 17<sup>th</sup>, a seminar organised by Department of Social Work, University of Delhi.

Mr. N. T. Thomas, Speaker, in a workshop on Career Counselling, organised by Northeast Students, Vasant Kunj, New Delhi.

Dr. Neena Pandey, Conducted, a training on Soft skills to the Prison Staffs on 23rd May, 2017, organised by Delhi Prisons, Tihar.

Dr. Neena Pandey, Presented, a paper on 'Challenges and Incompetency of Police in Rape Cases' at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10th to 12th November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady.

Dr. Neena Pandey, Presented, a paper on 'Residential Camp in Tihar: An Interventional Learning', A paper presented at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10th to 12th November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady.

Dr. Neena Pandey, Speaker, 'Feminist Social Casework' on 21st September, 2017 at Department of Social Work, Jamia Millia Islamia.

Dr. Neena Pandey, Speaker, Feminist Social Casework on 28th September, 2017 at Department of Social Work, University of Delhi.

Dr. Neena Pandey, Speaker, Gender sensitivity on Girl's safety and Understanding Gender on 3rd February, 2018 at Department of Social Work, University of Delhi.

Dr. Neena Pandey, Speaker, Women Empowerment on 24th January, 2018, at Department of English, Ch. Bansi Lal University, Bhiwani.

Prof. Neera Agnimitra, Introductory Remarks, in a Seminar on "Beyond Prison Walls: Conversation on Prisoners' Rights" organised by Tihar Prisons in collaboration with the Bureau of Police Research & Development, Commonwealth Human Rights Initiative (CHRI) & Delhi School of Social Work. 23<sup>rd</sup> September, 2017, NDMC Convention Centre, New Delhi.

Prof. Neera Agnimitra, Moderated, a session on Public Policy Implications and Role of Civil Society in Ensuring Well Being and Empowerment of the Elderly at a National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society, 17<sup>th</sup> and 18<sup>th</sup> February, 2018, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Key Note Address at a Seminar on Break the Barriers: Encouraging survivors of sexual and gender based violence to overcome barriers and access timely medical & psychological care in collaboration with *Medecins Sans Frontieres (Doctors without Borders)*, 16<sup>th</sup> March, 2018, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Introductory Remarks at Dr. Bhim Rao Ambedkar: A Multifaceted Personality: The 3rd Annual Ambedkar Lecture on "Dalit Identity: Emerging Social Coalitions of the Marginalized Communities", 21<sup>st</sup> April, 2017 Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Introductory Remarks, in a workshop on Systematic Reviews and Meta-Analysis by Dr. Howard White, CEO, Campbell Collaboration. 10<sup>th</sup> July, 2017, International Guest House, Delhi University (North Campus), 7, University Road, Delhi 110007.

Prof. Neera Agnimitra, Moderated, a session on Contemporary Challenges of Neoliberal Economic Policy and Idea of Just Society at National Seminar on 'Social Justice in Neoliberal Times: Issues and Concerns', 16<sup>th</sup>-17<sup>th</sup> April, 2017, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Presidential Remarks on “Women's Leadership Summit” organised by Women's Manifesto and Department of Social Work, University of Delhi. 8<sup>th</sup> April, 2017, Department of Social Work, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Basic Understanding of Social Research and its Process, on 24<sup>th</sup> November, 2017 at Faculty of Law, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Ecological Perspective in Social Work Research: A Special Focus on Environment and Disaster Management at the Orientation Programme for the newly registered M.Phil/PhD. students, 28<sup>th</sup> August, 2017, School of Social Work, IGNOU, New Delhi

Prof. Neera Agnimitra, Speaker, on Ethical Issues in Social Sciences Research, at Amity Institute of Behavioural and Allied Sciences, Amity University, Manesar, Gurugram, Haryana on 11<sup>th</sup> April, 2017.

Prof. Neera Agnimitra, Speaker, on Field Work as the Signature Pedagogy of Social Work Education and Practice on 31<sup>st</sup> October, 2017 at Dr. Bhim Rao Ambedkar College, University of Delhi.

Prof. Neera Agnimitra, Speaker, on Gender as Cross Cutting Theme in Floods and their Management at the Panel Discussion on ‘Flood and its Aftermath: Coping with the Annual Disaster’, 16<sup>th</sup> November, 2017. Centre for North East Studies and Policy Research, Jamia Millia Islamia, New Delhi.

Prof. Neera Agnimitra, Speaker, on Mental Health Issues and University Youth: The Imperative for a Resilient Youth Work Force at the World Congress of Mental Health, 3<sup>rd</sup> November, 2017, Hotel Ashok, New Delhi.

Prof. Neera Agnimitra, Speaker, on Migrant Labour: Context and Perspectives at the Seminar on Migrant Labour: Rights and Concerns. 3<sup>rd</sup> February, 2018. Department of Social Work and Sadbhav Mission, Department of Social Work, University of Delhi

Prof. Pamela Singla, Chaired, a session on ‘Best practices in elder care through formal and informal support systems’, 17<sup>th</sup> February, 2018 for a two day National Seminar on Empowering Elderly, organised by Department of Social Work, DU and NISD, 17-18<sup>th</sup> February, 2017, Auditorium, Department of Social Work, University of Delhi

Prof. Pamela Singla, Delivered, a lecture on ‘Understanding Gender through Skill Lab’, Talk delivered to M.A. students, Jamia Millia Islamia, Social Work Department, Conference Room, on 8<sup>th</sup> August, 2017

Prof. Pamela Singla, Delivered, a talk on ‘Sensitizing on Gender’ to scientists of DRDO organised by DRDO, DESIDOC, 5<sup>th</sup> March, 2018, Metcalfe House

Prof. Pamela Singla, Moderated, a session on ‘Empowerment: Scope, at a Women Leadership Summit, Organised by Department of Social Work, University of Delhi and Women’s Manifesto, Delhi with support from Human Welfare Foundation, Delhi, Auditorium, Department of Social Work, University of Delhi, 8<sup>th</sup> April, 2017

Prof. Pamela Singla, Moderated, a session on ‘State of Justice: Critical assessment of welfare policies and programmes’, 17<sup>th</sup> April, 2017, ‘National Seminar on Social Justice in Neo Liberal Times: Issues and Concerns’, Organised by Department of Social Work, DU, ICSSR, Auditorium, Department of Social Work, University of Delhi, 16-17<sup>th</sup> April, 2017

Prof. Pamela Singla, Presented, a paper on ‘Discrimination in Health and Reproductive Rights of Women in India’, Paper presented at National seminar on the Theme: Women Empowerment In India: Challenging Stereotypes and Strengthening, Organised by NHRC and Amity University, At Amity Law University, Noida. 25<sup>th</sup> October, 2017

Prof. Pamela Singla, Presented, a paper on ‘Ethics and Research Management’ on 31<sup>st</sup> January, 2018, in the three day National Workshop on ‘Research Methodology’, organised by Women’s College, Parade Road, Jammu University, 30<sup>th</sup> January to 1<sup>st</sup> February, 2018, Auditorium, Women’s College

Prof. Pamela Singla, Presented, a paper on ‘Setting the parameters for safety, security and enabling environment for women’ paper presented at a Regional Consultation. Theme: Gender Sensitive Best Practices, Implementations and Capacity Building of Police officials’ organised by Centre for Social Research in association with Hanns Seidel Foundation (Germany) at India Habitat Centre (Amaltas), New Delhi. 30<sup>th</sup> November, 2017

Prof. Pamela Singla, Speaker, on ‘Feminism and Social Work’, For capacity support officers and social workers of Special Service Unit (Ministry of Home Affairs, Nirbhaya Fund), Department of Social Work, University of Delhi, 28<sup>th</sup> September, 2017, Auditorium, DSW

Prof. Pamela Singla, Speaker, on 'Feminisms and Social Work Practice', Seminar Series in Social Work, Ambedkar College, University of Delhi, 9<sup>th</sup> November, 2017, Auditorium, Ambedkar College

Prof. Pamela Singla, Speaker, on 'Fieldwork in Qualitative Research', 17<sup>th</sup> November, 2017, Training Programme on 'Qualitative Methods in Labour Research, 13<sup>th</sup> – 24<sup>th</sup> November, 2017 at V.V. Giri National Labour Institute, Noida, Conference room

Prof. Pamela Singla, Speaker, on 'Gender and Field narratives' Organised by Women Studies and Development Centre, University of Kashmir (KU), 19<sup>th</sup> December, 2017, Srinagar (J&K)

Prof. Pamela Singla, Speaker, on 'Gender Sensitization and Women's Issues', Organised by Gitarattan International Business School (GIBS), New Delhi, 11<sup>th</sup> October, 2017, GIBS Conference Room

Prof. Pamela Singla, Speaker, on Gender, Culture and Development, 43<sup>rd</sup> Advanced Professional Programme in Public Administration for Senior Government Officers, IIPA, 21<sup>st</sup> September, 2017, Conference Room, IIPA, New Delhi

Mr. Pratap Chander Behera, Presented, a paper on 'Making Meaning of Demographic Trends in the Context of Elderly Care', in a National Seminar on Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society at Department of Social Work, University of Delhi on 17 – 18<sup>th</sup> February, 2018

Mr. Pratap Chander Behera, Presented, a paper on Dalit Human Rights and Social Work Practice in a National Conference on Indian Social Work: Scope and Challenges held on 14-15<sup>th</sup>, March, 2018 at Ambedkar College, University of Delhi

Mr. Pratap Chander Behera, Presented, a paper on Migrant Workers, Human Rights and Social Work Practice", a paper presented on a one day seminar of "Migrant Workers: Rights and Concerns", organised by Sadbhav Mission, Delhi and Department of Social Work, University of Delhi, on 3<sup>rd</sup> February, 2018

Ms. Preeti Jha, Presented, a paper on 'Social Intervention Through Social Enterprises: A Business Centric Approach to Social Work', A paper presented at Indian Social Work Congress on Social Work Profession and Social Realities: Responses and Ripostes, from 10<sup>th</sup> to 12<sup>th</sup> November, 2017, organised by National Association for Professional Social Workers in India (NAPSWI) and Department of Social Work, Sree Sankaracharya University of Sanskrit, Kalady

Dr. Pushpanjali Jha, Delivered, a lecture on 'Critical Social Work: The historical trajectory and approaches in Social Work' to M. Phil and PhD students at Indira Gandhi National Open University (IGNOU) on 25<sup>th</sup> September, 2017

Dr. Pushpanjali Jha, Delivered, a lecture on "Critical Social Work: The most contemporary framework in Social Work" to M. Phil and PhD students at Indira Gandhi National Open University (IGNOU) on 3<sup>rd</sup> November, 2017

Prof. Sanjai Bhatt, Key Note Address on 'Trends and prospects in Social work Education in India' in National Conference on " Re-imaging Social Work Education in the Outcome based Perspectives and Practices" organised under DYUTI ( Development Yearning for a United and Transformed India) at Rajagiri School of Social Work, Rajagiri College of Social Sciences ( Autonomous ) on 4<sup>th</sup>&5<sup>th</sup> January, 2018 : Also Panellist in the panel Discussion on Students' Perspective on Outcome based Social Work Education

Prof. Sanjai Bhatt, Key Note Speaker, in the Workshop "Future Role of Central Social Welfare Board, State Social Welfare Boards on Empowerment of Women and Development of Children and its Restructuring" organised by CSWB, New Delhi held on 26<sup>th</sup> May, 2017 at Hyderabad, Telangana

Prof. Sanjai Bhatt, Key Speaker, in Social Work Profession and Healthy Workplace: Issues and challenges at WCMH-NAPSWI Symposium (SY -40) on *Mental Health at Workplace and Social Work Profession*, (3<sup>rd</sup> November 2017), World Congress of Mental Health organised by World Federation for Mental Health (WFMH) World Congress 2017 at New Delhi, 2<sup>nd</sup>-5<sup>th</sup> November, 2017

Prof. Sanjai Bhatt, Speaker, in National Consultation on the National Indicators for the SDGs Implementation, organised by Beyond Copenhagen and other CSOs at Delhi on 6<sup>th</sup> April, 2017 at Lecture Hall No. 2, IIC Annexe

Prof. Sanjai Bhatt, Valedictory Address, in Two Days Workshop on "Case Work Intervention through Counselling" Center for Social Work, organised by Punjab University, Chandigarh on 19<sup>th</sup> -20<sup>th</sup> January, 2018

Dr. Sanjay Roy, Speaker, on Implementation of Sustainable Development Goals and Development of 15 years vision documents, Government of N.C.T. of Delhi, organised by Department of Women and Child Development, Government of Delhi, on 6<sup>th</sup> April, 2017

Dr. Seema Sharma, Chaired, a session in a seminar on Empowering Elderly in Vulnerable Constituencies, held at the Department from 17 - 18 February, 2018

Dr. Seema Sharma, Chaired, a session in a seminar on Social Justice in Neoliberal Times- Issues and Concerns, held at the Department on 16-17 April, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Culture in Human Service Organisations' Lecture delivered at CEC UGC for their MOOCS programme, on 29<sup>th</sup> September, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Introduction to PRA techniques as part of supportive field work Instructions' in Department of Social Work, University of Delhi, in November 2017

Dr. Seema Sharma, Delivered, a lecture on 'Managing Personnel in Human Service Organisations', Lecture delivered at CEC UGC for their MOOCS programme, on 29<sup>th</sup> September, 2017

Dr. Seema Sharma, Delivered, a lecture on 'Scope of human resource management in Social work profession', Lecture delivered at Aditi Mahavidyalaya, University of Delhi in July, 2017

Dr. Seema Sharma, Delivered, a lecture on Skill lab on Balance Score Card for students of M.A. HRM on 22.02.2018 at Department of Social Work, Jamia Millia Islamia

Ms. Shashi Rani, Presented, a paper on " Social Inequalities in India and Health Status of Dalits: Issues and Concerns ", in the National Conference on: "Health and Well Being: Community as Solution", held on 22-23 March, 2017 in New Delhi. Organised by Caritas India, at USI, Vasant Vihar, New Delhi, Delhi 110057

Ms. Shashi Rani, Presented, a paper on "Market and Elderly: An Insight into Care and Consumerism", in the National Conference on "Empowering Elderly in Vulnerable Constituencies: Role of State and Civil Society, held on 17<sup>th</sup> to 18<sup>th</sup> February 2018, organised by Department of Social Work, University of Delhi in collaboration with National Institute of Social Defence (MoSJ & E, GOI)

Ms. Shashi Rani, Presented, a paper on "Social and Structural Inequality in Health: Challenges and Prospects of Sustainable Development" in National Seminar Held on "Changing Paradigms for Economic and Sustainable Development" on 17<sup>th</sup> February 2018, organised by Indirapuram Institute of Higher Studies, Ghaziabad, Uttar Pradesh, India.

Ms. Shashi Rani, Resource Person, for "Family counselling in situation of conflict and Disputes" in training programme organised by Directorate of Training, UTCS, for Mahila Panchayat Staff working with DCW, 8<sup>th</sup> January 18 to 18 January 2018

Ms. Shashi Rani, Resource Person, for "*Social Work, Laws and Rights*", in orientation programme organised by Department of Social Work, University of Delhi, 31<sup>st</sup> July, 2017

Ms. Shashi Rani, Resource Person, for "*Soft Skills at Workplace*", for the staff of Tihar Jail, 24<sup>th</sup> May, 2017

Ms. Shashi Rani, Resource Person, for '*Counselling Skills*' in training programme organised by Social Service Unit of Delhi Police for social workers and Support Officers at Delhi School of Social work, University of Delhi 29<sup>th</sup> September, 2017

Ms. Shashi Rani, Speaker, on "CCI's Functionaries Training Knowledge Enhancement: Individual Care Plan (ICP)", in the Training Programme of "Child Care Institutions (CCIs) functionaries on Individual Care Plan and Gender Sensitivity", Jointly organised by Delhi Child Protection Unit -V, AV Baliga Trust" and Department of Social Work, University of Delhi, held on 2nd and 3rd February 2018, at Delhi University Guest House, Delhi

Ms. Shashi Rani, Speaker, on "*Marginalization and Social Justice*", in orientation programme, Aditi Mahavidyalaya, University of Delhi, 21<sup>st</sup> July, 2017

Mr. Sudhir Maske, Presented, a paper at National Conference on Indian Social Work: Scope and Challenges. Insights from Practice Wisdom on 15<sup>th</sup> March, 2018 at Dr. Bhim Rao Ambedkar College, University of Delhi

Mr. Sudhir Maske, Speaker, on "Dalit Entrepreneurship: Research Study Insight on Twenty Five Percentage of Indian Population" on 9<sup>th</sup> Dec, 2017 at Dy. Speaker hall, Constitution Club, Rafi Marg, Patel Chowk, Delhi

Prof. Sushma Batra, Speaker, on Knowledge Gap: How can we increase the availability and quality of Research on Intellectual and Developmental Challenges., 27-10-2017, Amrit Foundation of India

Prof. Sushma Batra, Speaker, on Medical Ethics: Doctor- Patient Communication and Behavioural Issues, 17-06-2017, Lady Harding Medical College, Delhi University

Prof. Sushma Batra, Speaker, on Essential Qualities of Professional Social Workers, 9.11.2017, Dr. BhimRao Ambedkar College, Delhi University

### **National/International MOUs Signed**

The Department has International associations with Institutions/Universities/Research Organizations such as Asian Pacific Association for Social Work Education (APASWE), Campbell Collaboration, University of Calgary (Internship Programme), University of New Zealand, Massey University, University of South Australia, University of Maryland and University of Brussels.

### **Other Inter-Institutional Collaboration**

The Department has National and International collaborations with premier Social Work Institutions, such as Tata Institute of Social Sciences; Department of Social Work, Jamia Millia Islamia, Delhi; Aligarh Muslim University; M.S. University, Baroda; National Institute of Rural Development, Hyderabad; Central University of Rajasthan, among others. The Department has also collaborations with various reputed institutions like Delhi Police, Child Care Institution (CCI), Delhi Child Protection Unit –V, A.V. Baliga Trust and Tihar Prison. The Department is in vibrant partnership with about 100 governmental and non-governmental organisations for its Concurrent and Block Field Work programmes. The Department is also a research partner with many governmental and non- governmental organisations.

### **Students under Exchange Programme**

A number of student groups from Schools of Social Work in India visited the Department for exchange of ideas and best practices in social work with each other. The Department actively pursued the goal of facilitating exchange of students with foreign Universities. For instance, discussions were held with School of Psychology, Social Work and Social Policy University of Australia, for an exchange programme. Students from University of Brussels and University of Maryland held discussions with the Department students for exchange of ideas.

### **Placement Details (Number and percentage of students placed)**

- Number of students placed: 57
- Percentage of students placed: 98 per cent
- Number of Companies visited for campus recruitment: 36

### **Extension and Outreach Activities**

The Department has a number of extension and outreach programmes. Two extension programmes namely Centre for Community Development and Action (CCDA) and Centre for Child and Adolescent Well Being (CCAW) have been an integral part of the Department.

The activities of Centre for Community Development and Action (CCDA) have ranged from Self Help Groups, health programmes, vocational training, programme for the elderly, legal aid programme, non-formal education (NFE), nutritional awareness programme and the balwadi programme in Burari. Presently, the Centre is working in Ajit Vihar, Burari with focus on children, adolescents and women's well being with a participatory approach.

The Centre for Child and Adolescent Well Being (CCAW) is functioning from the premises of the Department to provide diagnostic, treatment and referral services to emotionally disturbed and socially deprived children, adolescents and to their families.

In addition, the Department successfully extended the outreach and the Community Development Cell of the University of Delhi of which the Department is the coordinator and also initiated work under Unnat Bharat Abhiyan.

Under the Community Development Cell (CDC), the Department has adopted five villages in the periphery of Delhi. These are Badarpur Khadar, Chauhan Patti, Jagatpur, Mukundpur and Jharoda. The Department continued to work for the second year under the programme. Education, livelihood and health were the main focus of these initiatives. Using the participatory approach, interventions were made at various levels be it sensitization, workshops, sessions by experts and facilitation of the health services through health camps.



Work under the Unnat Bharat Abhiyan initiative for the University of Delhi is also spearheaded by the Department. Need based and participatory community development initiatives were organised by the students and faculty of the Department over the year.

In addition, the Department continued to provide technical guidance and management skills to non-governmental organizations in the area of disability and rehabilitation, gender work, ecology and disaster management, community participation, elderly care and CSR, among other fields of social work practice. The Department also collaborates with national and international professional organizations for growth and development of Professional Social Work.

#### **Number of M.Phil./Ph.D. Degrees Awarded**

(i) Ph.D.: 01

(ii) M.Phil.: 11

#### **Faculty Strength**

(i) Permanent: 18

(ii) Ad-hoc: 02

(iii) Guest Faculty: 07

#### **Other Significant Information**

The Department has emerged as a premier institution of social work education in India. It has forged close linkages with diverse civil society groups, non-government and government organizations, hospitals, industries, schools communities as well as peoples' movements and citizen's groups across India. It has not only developed strong network with them, but also enjoys a meaningful, reciprocal and functional relationship with them. It is in this background that the Department plans to Emerge as a Resource Centre for upcoming Schools of Social Work in helping them achieve standardization and uniformity in the curriculum and pedagogy. The Department also aims to become a lead institution by establishing three new centres: Centre for Community Engagement and Development Practice (CCED), Centre for Differently abled and Older Persons (CDPO) and Centre for Corporate Social Responsibility (CCSR).

During the year, Department focused on its research interests in the area of the weaker sections and the marginalized communities in India. It also extensively engaged with the issues of identity, CSR and environment. It is in recognition of the Department's contribution to higher academic research and research excellence, that the University Grants Commission (UGC) had sanctioned the Department of Social Work, University of Delhi as a Centre of Advanced Study (CAS) in Social Work

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## **SOCIOLOGY**

#### **Major activities and achievements**

In 2017-18 the Department completed its 49<sup>th</sup> year as a Centre of Advanced Study in Sociology. It is the first department of sociology in the country to have become a centre of advanced study. Professor JPS Uberoi received the Delhi University Distinguished Teacher (retd.) Award in May 2018. This is the third consecutive year in which the department has been honoured in this way. Professor AM Shah received the award in 2016 and Professor Andre Beteille in 2017. The year has been quite eventful with six workshops being held of which four were specifically meant for students; and twenty two presentations at the Sociological Research Colloquium. The colloquium is one of the oldest traditions of the department instituted in 1959 when the department was first established. Nine Pre-PhD seminars were held and the department hosted six visiting fellows. Five scholars from foreign universities were affiliated with the department in this period.

#### **Honours/Distinctions:**

Prof. Nandini Sundar: Malcolm Adiseshiah Award, 2017 (for Distinguished Contributions to Development Studies).

#### **Publications**

Abraham, J. (2017). Hindu and Muslim veiling in north India: Beyond the public/private dichotomy. In

Anna-Mari Almila and David Inglis (Eds.), *The Routledge International Handbook to Veils and Veiling Practices*. London and New York: Routledge. ISBN: 978-1-472-45536-9.

Abraham, J. (2017). Academic appraisal. In Babu Zachariah (Ed.), *The Best of Thiruvalla: Towards Modernity and Beyond*. Thiruvalla: CSS. ISBN 978-8-178-21682-9

Abraham, J. (2017). Matriliney did not become patriliney: The transformation of Thiyya 'tharavad' houses in 20<sup>th</sup>-century Kerala. *Contributions to Indian Sociology*. 51(3), 2287-312.

Abraham, J. (2017). Setting sail for Lakshadweep: Leela Dube and the study of matrilineal kinship. *Indian Journal of Gender Studies*. 24(3), 438-454.

Agrawal, A. (2017). Changing cultures of photography: Visualising visual access/excess in tourist places. *Society and Culture in South Asia*, 3 (1): 92-100. (Photo Essay) ISSN: 2394-9872.

Kamei, A., & Sharma, J.P. (2017). Primitive accumulations at the margins: Commodification of land and labour in Chhattisgarh. *Economic and Political weekly*, 52 (28), 64-75. ISSN: 0012-9976.

Bardhan, V. (2017). Aspects of human migration in 21<sup>st</sup>-Century India. *Madridge Journal of Behavioral and Social Sciences*, 1(1), 1-26.

Chatterji, R. (2017). Pardhano ki vachik parampara me Ramkatha (Ramkatha in the oral tradition of the pardhans). In Vasant Nirgune (Ed.), *Janjati Jeevan me Ram* (pp. 40-49). New Delhi: Vani Prakashan. ISBN: 978-93-87155-01-5.

Chatterji, R. (2018). 9/11 and the folk artists of Bengal. In Uwe Skoda and Birgit Lettmann (Eds.), *India and its Visual Cultures: Community, Class and Gender in a Symbolic Landscape* (pp. 113-141). New Delhi: Sage. ISBN: 978-93-864-4668-8.

Chopra, R. (2017). Seeing off the dead: Post-mortem photographs, in the Darbar Sahib. *Sikh formations: Religion, culture, theory*, 12 (2-3): 207-222. ISSN: 1744-8727.

Chopra, R. (2018). A museum, a memorial, and a martyr: Politics of memory in the Sikh golden temple. In Uwe Skoda and Birgit Lettmann (Eds.), *India and Its Visual Cultures: Community, Class and Gender in a Symbolic Landscape* (pp. 255-77). New Delhi: Sage.

Dasgupta, A., & Minoru, M. (Eds.). (2017). *Rethinking Social Exclusion in India: Castes, Communities and the State*. London & New York: Routledge. ISBN: 978-1-138-28217-9.

Dasgupta, A. (2017). Affirmative action and exclusion of the Muslim outcastes in West Bengal. In Minoru Mio & Abhijit Dasgupta (Eds.), *Rethinking Social Exclusion in India: Castes, Communities and the State* (pp 102-110). London & New York: Routledge. ISBN: 978-1-138-28217-9.

Palriwala, R., & E. Hill. (2017). India: economic inequality and social reproduction. In M. Baird, M. Ford, and E. Hill (Eds.), *Women, Work and Care in the Asia-Pacific* (pp134-148). New York and London: Routledge. ISBN: 978-1-138-11904-8.

Palriwala, R. (2017). Debating gender inequality: culture, economics and choice. *Indian Journal of Gender Studies*, 24(3), 422-437.

Sawhney, C. (2017). [Review of the book Displacement and exile: The state refugee relations in India. By Abhijit Dasgupta]. *Indian Anthropologist*, 47(1), 103-105. ISSN: 0970-0927.

Sawhney C. and Mehrotra, N. (2017). Displacement from Kashmir: Gendered responses. In Vibha Arora and N. Jayaram (Eds.), *Democratisation in the Himalayas: Interests, Conflicts, and Negotiations* (pp 186-202). London: Routledge. ISBN: 978-1-138-03829-5. (Reprinted).

Singh, S. (2017). Challenges in agriculture: Some reflections from a micro-study. In Baleshwar Thakur et al. (Eds.), *Regional Development: Theory and Practice* (pp 17-35). New Delhi: Concept Publishing House. ISBN: 978-9-351-25207-8.

Thapan, M. (2018). Social, ecological and moral vision for inclusive education: J. Krishnamurti and Educational Practice. In Meenakshi Thapan (Ed.), *Education and Society in South Asia* (Vol.1). Delhi: Oxford University Press.

Thapan, Meenakshi. (2017). *Sociology and Social Anthropology of Education in South Asia* (Vols. 1-2). London: Sage.

Vasan, S. (2017). Being Ladakhi, being Indian: Identity formation, culture and community. *Economic and Political Weekly*, 52 (14), 43-49. ISSN: 0012-9976.

Vasan, S., Nawan, N., & Kothari, A. (2017). Introduction to review of environment and development. *Economic & Political Weekly*, LII (31), 41-43. ISSN: 0012-9976.

#### **Journals:**

**Number of Department teachers serving as Editor(s)/Member(s) of Editorial Board: 12**

#### **Research Projects:**

Dr. Anuja Agrawal worked on a research project, 'Arya Samaj and Marriage.' She received an R&D grant of Rs 40,000 from the University of Delhi.

Prof. Roma Chatterji

has been working on a project on 'Words and Images: Intermedial Translations in Narrative Traditions. She received a grant of Rs 2 lakhs 80 thousand from the India Foundation for the Arts. The project period was from November 2015 to August 2017.

Dr. Radhika Chopra is Principal Investigator, in the University of Bergen and University of Delhi Collaborative Project: Indian Cosmopolitan Alternatives: Ritual Intersections and the Proscription of Religious Offence. The ongoing project began in 2014.

Prof. Rajni Palriwala was a Consultant/Technical Advisory Committee Member for a University of Portsmouth, ICRW and IMC Project on *Violence against women and girls as an unintended outcome of women's economic empowerment: understanding new gender dynamics within the domestic, public and work spaces*. Funded by DIFD, January 2016-March 2017.

Prof Meenakshi Thapan is engaged in a bilateral research project on *Aspects of Religion in South Asia with special reference to India and Japan*, in collaboration with Professor Akiko Kunihiro, Waseda University, Tokyo, under the joint auspices of ICSSR (India) and JSPS (Japan). This project entails the organisation of two meetings in India and in Japan on the theme with research presentations by young scholars and senior faculty from India and Japan in 2017-2018. The outcome in the form of an edited volume in English will be submitted to a publisher in India. The first meeting has taken place at Waseda University, Tokyo, in November (23-26 November) with rich presentations and feedback that will lead to revised papers for presentation at the second meeting aimed for March 2018 in Delhi University.

She has also been, for the past one year, anchoring an initiative to create, prepare and organise curriculum material for a rich audio-visual, online teacher education programme for elementary school teachers across the country. Located at the Rishi Valley Institute for Educational Resources (RIVER), this programme has already evoked the interest of the A.P. government for implementation in DIET Centres. The details and modalities for implementation at state-level are being worked out.

#### **Seminars Organised**

32, Sociological Research Colloquium held every week.

#### **Conferences Organised**

##### **Workshop on Ethnographic filmmaking.**

- Event and Everyday: Empiricisms and Epistemologies.
- Academic Reading and Writing Workshop.
- Pre-Exam Workshop.
- Research Scholars Workshop.
- Gender, Reproduction and Culture: A Seminar.
- Workshop for Ph.D. students on Qualitative Methodology.
- Identities and Education.

All conferences were funded by the Centre of Advanced Studies in Sociology Programme

#### **Seminar/Conference Presentations**

'Consent and marriage,' presented at a Round Table discussion on "Consent" at the LASSnet International Conference held in New Delhi, in December 2017.

'Understanding the shifts in rules of endogamy,' a lecture to BA 3rd year students at Janki Devi Memorial College, University of Delhi on 8 March 2017.

'The lives of others: the production and influence of neighbourhood cultures in towns in India' was presented at a seminar at Mumbai University, in February 2017.

'Unending stigma: denotified communities in India' at Politik'17, organised by the Department of Political Science, Kamla Nehru College, University of Delhi on 2 March 2017.

'Event: a way of knowing' and 'Opening/closing remarks' at the workshop on "Event and Everyday: Empiricisms and Epistemologies" at the Department of Sociology, University of Delhi on 23 March 2017.

'Life, Emergent: The Social in the Afterlives of Violence' at a panel discussion on the book at Center for the Study of Developing Societies (CSDS) Delhi on 2 March 2017.

'WIRED: decoding tech, encoding society,' presented at Miranda House, Department of Sociology Annual Festival, University of Delhi on 15 February 2017.

'The state and the folk arts in India,' at "Society and Governance: Comparative Studies on India and China" organised by India-China Comparative Centre, School of Public Administration, Xiangtan University, China on 10 June 2017.

'From comic book to chitrakar performance: a case of intermedial translation,' presented at "Visual South Asia: Anthropological Explorations of Media and Culture" University of Dhaka, Bangladesh, 10-11 May 2017.

'Myths, similes and memory traces: imageries of abduction in the Ramayana universe,' presented at Shiv Nadar University, Greater Noida on 20 April 2017.

Panel Discussant at 'Crossing Borders, Boundaries and Temporalities: A Conversation on History, Myth, Politics and Art' around the mixed media art project on "A Tale of Two Cities. Varanasi and Anuradhapur" organised by Gallery Espace, Serendipity Arts Trust, Teertha Artists Collective and South Asia University at Twin Arts Gallery, IGNCA, Delhi on 29 March 2017.

'Myths, similes and memory traces: imageries of abduction in the Ramayana universe' at "Interpreting Culture: Subjectivity, Ideology and Identity," organised by School of Social Science, IGNOU on 16-17 March 2017.

Panel Discussion on 'Uncertain Ground. Displaced Kashmiri Pandits in Jammu and Kashmir by Ankur Datta' on 24 February 2017.

'Scripting the folk: folklore and the imagination of place' was presented at "Writing India: Revisiting Historiographies, Ideology, and Genre" organised by Centre for English Studies, JNU on 16-17 January 2017.

'Fathers and fatherhood' presented at a conference on "Difficult Dialogues" at University College London on 9-11 February 2018.

'1984: Exhuming Memories,' Seminar on "1984 Anti Sikh Riots and its Legacy," presented at School of Liberal Arts, Ambedkar University, Delhi on 15 September 2017.

'Who's the greatest of them all? Martyrs in Souvenir Art' presented at School of Social and Political Science, University of Edinburgh on 24 March 2017.

'Rethinking religious synthesis in India: an endangered cosmopolitan alternative?' presented at "Bazaar Divinity Workshop," University of Sydney on 5-6 January 2017.

'Affirmative action and Muslim Dalits in West Bengal' at the conference on 'Society and Governance: Comparative Studies on India and China' held at Xiangtan University, Xiangtan, China on 9-12 June 2017.

'The making of the Muslim Dalits in Bengal' at the conference on "Marginality(ies), Minor(ity) and Identities" at the Centre for Studies of Discrimination and Exclusion, JNU, on 16 January 2017.

'Methodological persuasion and the social sciences,' Invited lecture at Department of Sociology, Thunchath Ezhuthachan Malayalam University, Tirur, 6 July 2017.

'Nammukku jati undo: the long road to a caste-free society,' Public Lecture at Kozhikode, organised by Thunchath Ezhuthachan Malayalam University, Tirur, 5 July 2017.

Panelist for "The dynamics of dominance", Synthesis Talk (SynTalk), Mumbai on 27 May 2017.

Invited lecture on the occasion of Ambedkar Jayanti, School for Democracy at Gargi College, New Delhi on 7 April 2017.

Valedictory respondent for the conference on "Engineers and Society in India" EHESS, Paris on 27-28 March 2017.

‘Discrimination based on social hierarchies,’ Invited lecture at the Samagam ’17, the annual festival of the BA Programme Union, Lady Shri Ram College, New Delhi on 24 March 2017.

Panelist in panel on ‘Taking humanities and social sciences seriously,’ at the conference on “Universities of the Future” at O.P. Jindal University, Sonapat, on 19 March 2017.

‘Methodological persuasion,’ Inaugural lecture at Orientation Programme on Social Science Research, Institute for Studies in Industrial Development, New Delhi on 6 March 2017.

Panelist at theme panel ‘How Does Social Exclusion Impact Health?’ at the conference, “Difficult Dialogues Conference”, Goa on 11 February 2017.

‘Higher education in contemporary India’ invited lecture at Department of Sociology, Aligarh Muslim University, Aligarh on 4 February 2017.

Panelist at pre-conference colloquium on “The Flux in India’s Higher Educational System” organised by the Indian Association for Women’s Studies, Fifteenth Conference, Chennai on 21 January 2017.

‘Notes on the conceptual career of the vote bank’ at the conference on “Nation, Community and Citizenship in Contemporary India” at National Institute of Advanced Studies, Bengaluru on 9 January 2017.

‘The labour and morality of care: policy contestations and practices’ at an ICSSR sponsored National Seminar on “Rethinking Gender and Body in Times of Health Sector Reforms in India” at the Central University Gujarat, Ahmedabad.

‘Domestic workers and gendered violence: notes towards understanding movement practice and knowledge creation in a post-colonial/decolonial framing’ at a panel on “Rethinking Decolonial and Postcolonial Knowledges beyond Regions” organised by the Royal Geographical Society, IBG Annual Conference, London.

‘Social policy, gender and governance’ at the international conference on “Governance in India and China in a Comparative Perspective” organised by the India-China comparative Research Centre, School of Public Administration, Xiangtan University, at Xiangtan University on 10-12 June 2017.

‘Studying gender and the social in the organisation of care in India’ at the workshop on “Comparative and International Social Policy Theories and Methods: Advances in Research and Practice in International Development Studies and Social Policy” organised by Centre for Development Studies, University of Bath, OP Jindal Global University and Social Policy Association, in Delhi on 24-26 May 2017.

Reflections on the challenges facing women in South Asia’ at a workshop on Women, Work and Violence, organised by the University of Portsmouth, ICRW and IMC Worldwide, held in Kathmandu, 15 March 2017.

‘Structures, processes and relations in women’s oppression today,’ at a panel on “Normalising Patriarchy in Twenty-First Century India”, organised by the Department of Political Science, Zakir Husain Delhi College, University of Delhi on 8 March 2017.

‘Myriad oppressions and myriad struggles,’ at a panel on “Women in Search of Justice” organised by the All India Lawyers Union at Tis Hazari Court on 7 March 2017.

‘Region, language and comparison in doing Sociology,’ at Thunchath Ezhuthachan Malayalam University, Tirur, Kerala on 3 March 2017.

Rationality, instrumentality, and the affective: framing relations of care and intimacy’, at the Department of Sociology, School of Social Sciences, University of Hyderabad on 20 February 2017.

‘Changing contours of paid and unpaid work of women in India.’ Invited speaker (with N. Neetha) at the plenary on “Changing Contours of Paid and Unpaid Work by Women in 21st Century South Asia” at the XV National Conference of Women’s Studies, organised by the Indian Association of Women’s Studies, held at Chennai.

‘The Books that I would have liked to write: ethics, accidents and ethnography,’ DS Kothari Memorial Lecture on 17 January 2018.

Lecture on ‘Folklore and village histories,’ Vaghdevi Literature Festival, at Bhuwaneshwar, Odisha on 13 January 2018.

‘Academic freedom,’ at Kazi Nazrul Islam University, Asansol, West Bengal on 15-16 December 2017.

‘The Indian university today: our intellectual and professional obligations,’ Malcolm Adiseshiah Memorial Lecture on 21 November 2017.

‘Hostages to democracy,’ Indo-American Community Chair Lecture,’ Berkeley University on 2 November 2017.

‘Indo-American Community Chair,’ at Berkeley 29 October-5 November, 2017.

Plenary Address at the South Asia Conference, Madison, Wisconsin on 28 October 2017.

Conversation with Dolly Kikon, at ‘Democracy and its trajectories. India at 70.’ Oslo, organised by University of Bergen on 5-7th October, 2017.

‘Indian democracy in the mirror of Chhattisgarh,’ Chandrasekhar Memorial Lecture, Patna on 20 September 2017.

‘Law and lawlessness in the badlands of Bastar,’ lecture delivered at NALSAR on 11 September, 2017.

‘Intolerance and perils of democracy,’ Abhi Dutta Memorial Lecture on 22 June 2017.

‘Searching for politics at a time of low-intensity fascism,’ UAES-CASCA plenary on 5 May 2017.

‘Institutions on trial,’ Ashoka University, Trivedi Centre for Political Data on 19 April 2017.

‘Litigating against counterinsurgency,’ Soch Series, Jindal Law University on 18 April 2017.

‘A political ethnography of impunity,’ lecture at Nirman Foundation Workshop on “Studying the State,” Centre for Political Studies, JNU on 6 April 2017.

‘Decoding dissent,’ Jamia Sociology Festival, Jamia Millia Islamia on 30 March 2017.

‘Taking humanities and social sciences seriously: intellectual advancements and institutional obligations: four questions,’ Panel at O.P. Jindal Global University, Universities of the Future: Knowledge, Innovation and Responsibility on 19 March 2017.

‘Looking around, not looking down: what we can learn from Adivasi lives,’ Ted-X talk, Delhi Technological University on 18 March 2017.

Panel discussions on ‘The Political Economy of Witch Persecution’ and ‘Land Rights, Land Acquisition and Inclusive Development in India,’ organised by CPR, India International Centre, New Delhi on 2 March 2017.

Book discussion on ‘The Burning Forest’ at India International Centre, New Delhi on 22 February 2017.

‘The heart is a fractured object: chronicling a civil war,’ School of Development Studies, Ambedkar University, Delhi on 15 February 2017.

Panel discussion on ‘Speaking Peace in Times of War,’ International Film Festival on “Peace, Beyond Thresholds of Conflict,” Gandhi Bhawan, Bangalore on 12 February 2017.

Panel on The Burning Forest, titled ‘In Tandem: Class, Privilege and Loss’ Prayaag Akbar and Nandini Sundar, Times Litfest, Bangalore on 11 February 2017.

Keynote Lecture titled ‘Development, displacement and violence: a story in three acts,’ UGC Sponsored National Seminar on “Development induced Displaced,” MG University, Kottayam, Kerala on 31 January 2017.

‘Not human, not animal: does India have room for the Adivasi?,’ Distinguished Lecture at IIIT, Hyderabad on 5 January 2017.

‘India’s war in Bastar,’ lecture at Manthan, Hyderabad on 4 January 2017.

‘J. Krishnamurti’s pedagogic work and global vision for teacher enrichment,’ at a Plenary Session at an International Research Symposium on “Other Ways of Knowing & Doing: Globalizing Social Science Knowledge in Higher Education,” at O.P. Jindal Global University, Sonapat on 11-12 December 2017.

‘The sacred in the everyday: empowering the elementary school teacher,’ at an Indo-Japan conference on “Aspects of Gender and Religion in South Asia with special reference to India and Japan,” at Waseda University, Tokyo on 23-25 November 2017.

Delivered the Foundation Day Address at MV College of Education, University of Delhi on 16 November 2017.

‘Self knowledge and relatedness,’ Invited lecture at a Plenary Session at an international conference on “The Fragmented Self: An Interdisciplinary Exploration into the Notions of Self and Identity in Contemporary Life,” at Indraprastha College For Women, University of Delhi, 30-31 October 2017.

Keynote lecture at the Film Festival Little Europe 2017 ‘Diaspora in Cinema,’ organised by the Department of Slavonic and Finno-Ugrian Studies, University of Delhi on 23-30 October 2017.

‘Doing ethnography,’ to Research Students at Department of Sociology, University of Hyderabad on 21 July 2017.

‘Contemporary relevance of J. Krishnamurti's world-view and educational thought,’ Centre for Comparative and Global Education, OP Jindal Global University, Sonapat on 11 May 2017.

‘Online teacher education programme for elementary school teachers,’ to the Expert Group implementing Secular Ethics in Education, chaired by the Dalai Lama, New Delhi on 28 April 2017.

‘Understanding ethnography and schooling,’ presentation for Research Students at Department of Education (CIE), University of Delhi on 29 March 2017.

‘Finding faith: western imaginings of spiritual India,’ talk held under the auspices of FINDAS (Integrated Area Studies on South Asia) at Tokyo University of Foreign Studies, Tokyo on 7 February 2017.

‘Spiritual striving among single western women,’ at an international conference on “Towards the co-existence of various ‘single’ in global societies” at Tokyo University of Foreign Studies, Tokyo on 2-4 February 2017.

‘Krishnamurti, values and ethics in education,’ at an international conference on “Values and Secular Ethics in Education” organised by the DS Kothari Centre for Science, Ethics and Education, and India International Centre on 19-20 January 2017.

‘Imagining Research,’ Invited Lecture at Center for Communication and Media Governance, JMI on 11 December 2017.

‘Researching in sociology: challenges and opportunities,’ Invited Lecture, Department of Sociology, Karnataka University, Dharwar on 2 November 2017.

Invited speaker, Panel Discussion on " Misuse of 498-A and its inter linkages with masculinity" organised by Jagori on behalf of Delhi Aman Network, at Indian Social Institute, New Delhi on 2 December 2017.

‘Green courts and the production of socio-ecological assemblages in India,’ paper presented at Workshop on “Taking Nature to the Courtroom: Development Projects, Protected Areas and Religious Reform in South Asia,” School of Social and Political Science, The University of Edinburgh, UK, 15-16 June 2017.

‘Vision of the Environment of Delhi-2025,’ Invited speaker at “Dialogue to Develop a Vision of the Environment of Delhi-2025”, organised by India International Center and Green Circle of Delhi at IIC, New Delhi on 5 June 2017.

Invited Lecture on 'Ecological crisis and the logic of capital,' at Academic Conclave at St. Stephen's College, New Delhi on 29 March 2017.

### **National/International MoUs Signed**

#### **LEIDEN UNIVERSITY, THE NETHERLANDS**

A five-year Memorandum of Understanding (MOU) with Leiden University, The Netherlands, was signed in 2016. As part of the MOU, it has been agreed to exchange students and faculty members, organize workshops and seminars, and publish books and articles. Under the ongoing MOU, one undergraduate student completed a semester at Hindu College, University of Delhi. There is, in addition, a doctoral student, Tim van Meerendonk, who is doing fieldwork in Maharashtra on agricultural insurance. We hope to provide short fieldwork grants to students in the area of agrarian and economic anthropology. Applications have been invited.

#### **XIANGTAN UNIVERSITY, CHINA**

An MOU with Xiangtan University, Hunan, China, is under progress. As part of the MOU, it has been agreed to exchange students and faculty members, organize workshops and seminars, and publish books and articles. Modalities of the exchange programme to be initiated under this MOU were discussed when a delegation of Xiangtan University visited the Department and the University of Delhi in November 2017.

#### **INTERNATIONAL RESEARCH TRAINING GROUP (ITRG)**

*Minor Cosmopolitanisms.* International Research Training Group (IRTG) of University of Potsdam, Freie Universität, Berlin, and Humboldt University with partners – University of Delhi, University of New South Wales, Macquarie University, University of Cape Town, University of Pretoria, York University, Duke University and EFLU, Hyderabad. Funded by DAAD. At University of Delhi, the partners are Departments

of Sociology, Germanic and Romance Studies, and English. As part of this collaboration, a winter school on *Doing Cosmopolitanisms: Dynamics of Theory and Practice* was held at University of Delhi on 6-9 December 2017. The winter school was open to doctoral students of the IRTG, and research students selected from among applicants registered with universities in India, including our Department.

#### JAGIELLONIAN UNIVERSITY, KRAKOW

An MOU with the Department of Ethnology and Cultural anthropology, Jagiellonian University, Krakow, has been initiated.

#### Other Inter-Institutional Collaboration

##### INTERNATIONAL RESEARCH TRAINING GROUP (IRTG)

*Minor Cosmopolitanisms.* International Research Training Group (IRTG) of University of Potsdam, Freie University, Berlin, and Humboldt University with partners – University of Delhi, University of New South Wales, Macquarie University, University of Cape Town, University of Pretoria, York University, Duke University and EFLU, Hyderabad. Funded by DAAD. At University of Delhi, the partners are Departments of Sociology, Germanic and Romance Studies, and English. As part of this collaboration, a winter school on *Doing Cosmopolitanisms: Dynamics of Theory and Practice* was held at University of Delhi on 6-9 December 2017. The winter school was open to doctoral students of the IRTG, and research students selected from among applicants registered with universities in India, including our Department.

The following scholars visited the Department from Foreign Universities:

1. Mr. Rumsey-Merlean Jesse Peter, Princeton University, New Jersey, USA.
2. Mr. Tetsuya Tanaka, Associate Professor, National Museum of Ethnology, Japan.
3. Dr. RonieParciack, Tel Aviv University.
4. Dr. Kalpana Ram, Associate Professor, Department of Anthropology, Macquari University, Australia.
5. Prof. Supriya Singh, Sociology of Communications, Graduate School of Business and Law, RMIT University, Melbourne, Australia.
6. Professor Kamala Ganesh, Department of Sociology, University of Mumbai (retd.).
7. Dr. Emma Dawson Varughese, Independent Scholar.

#### Students under Exchange Programme

1. Mr. Tim Van De Meerendonk, Leiden University, Netherlands.
2. Ms. Lucia Gentile, University Milano: Bicocca and Inalco of Paris (awaiting to join).

#### Extension and Outreach Activities

Prof. Satish Deshpande visited Goa University under the Dayanand Bandodkar Chair in Political Economy of the Visiting Research Professors' Programme and conducted a Research Skills Practicum for research scholars and young faculty from institutions in Goa, 3-7 June 2017. He also visited Karnatak University, Dharwad to conduct a Workshop on Academic Reading and Writing (for research scholars and young faculty in the social sciences and humanities), 11-17 June 2017, organised by the Department of Sociology, Karnatak University in collaboration with the Indian Sociological Society.

Prof. Meenakshi Thapan visited Waseda University, Tokyo, in November 2017. She also visited MV College of Education, University of Delhi, in November 2017.

Dr. Radhika Chopra visited School of Global Studies, Aarhus University, Denmark, 22-24 August 2017.

#### Number of M.Phil./Ph.D. Degrees Awarded

<b>Ph.D.</b>	: 13
<b>M.Phil</b>	: 21
<b>Faculty Strength</b>	: 16

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**FACULTY OF TECHNOLOGY**  
**BIOLOGICAL SCIENCES AND ENGINEERING**

**Major Activities and Achievements**

There are three new research projects namely “Purification and characterization of compounds from *Streptomyces chrestomyceticus* strain ADP4 with activities against pathogenic *Candida* spp. and their biofilms”, “Low cost process development for the production of xylitol from waste agricultural biomass with special focus on delignification and downstream processing”, and “Development of a Mammalian Expression System for Generation of Bispecific Antibodies – A Potential Biomarker and Therapeutics”. The projects have been funded by DBT/ DST, Ministry of Science Govt. of India. There are nine publications of research & review articles, one book, four book chapters, twenty one conference presentations as well as a new M.Tech. Degree programme in Biochemical Engineering has been started from year 2017.

**Publications**

Dubey, A., Mishra, V., Kumar, S., Shahaj Ahmed, S.U., Goswami, S. (2018). Nanotoxicity on human and plant pathogenic microbes and aquatic organisms. In Vineet Kumar, Nandita Dasgupta, & Shivendu Ranjan (Ed.), *Environmental toxicity of nanomaterials*: CRC Press, Taylor & Francis.

Dubey, A., & Sharma, S. (2018). Pharmacokinetics approach for nanotoxicity evaluation. In Vineet Kumar, Nandita Dasgupta, & Shivendu Ranjan (Eds.), *Nanotoxicology: toxicity evaluation, risk assessment and management*: CRC Press, Taylor & Francis.

Joon, S., Gopalani, M., Rahi, A., Kulshreshtha, P., Gogoi, H., Bhatnagar, S., & Bhatnagar, R. (2017). Biochemical characterization of the GTP-sensing protein, CodY of *Bacillus anthracis*. *Pathogens and Disease*, 75, ftx048.

Mishra, N., Dubey, A. (2017). Biobutanol: an alternative biofuel. In Lalit Kumar Singh & Gaurav Chaudhary (Eds.), *Advances in biofeedstocks and biofuels: production technologies for biofuels*: John Wiley & Sons, Inc.

Mishra, V., Dubey, A., Kumar, S. (2017). Algal biomass pretreatment for improved biofuel production. In Sanjay Kumar Gupta, Anushree Malik, & Faizal Bux (Ed.), *Algal biofuels: recent advances and future prospects*: Springer International Publishing.

Mohanty, P., & Bhatnagar, S. (2018). Structure of focal adhesion kinase in healthy heart versus pathological cardiac hypertrophy: A modelling and simulation study. *Journal of Molecular Graphics and Modelling*, 80, 15-24.

Singla, R. K., Scotti, L., & Dubey, A. K. (2017). In silico studies revealed multiple neurological targets for the antidepressant molecule ursolic acid. *Current Neuropharmacology*, 15, 1100-1106.

Singla, R. K., Dubey, A.K., Ameen, S. M., Montalto, S., & Parisi, S. (2018). Analytical methods for the assessment of Maillard reactions in foods (1<sup>st</sup> ed.): Springer International Publishing.

Sharma, K., Chandra, S., & Dubey, A. K. (2018). Exploration of lower frequency EEG dynamics and cortical alpha asymmetry in long-term rajyoga meditators. *International Journal of Yoga*, 11, 30-36.

Sharma, K., Trivedi, R., Chandra, S., Kaur, P., Kumar, P., Singh, K., Dubey, & A. K., Khushu, P. (2018). Enhanced white matter integrity in corpus callosum of long-term Brahmakumari's rajyoga meditators. *Brain Connectivity*, 8, 49-55.

Sharma, S. (2017). Enhanced antibacterial efficacy of silver nanoparticles immobilized in a chitosan nanocarrier. *International Journal of Biological Macromolecules*, 104, 1740-1745.

Tiwary, M., & Dubey, A. K. (2018). Characterization of biosurfactant produced by a novel strain of *Pseudomonas aeruginosa*, isolate ADMT1. *Journal of Surfactants and Detergents*, 21, 113-125.

Verma, D., Garg, P. K., & Dubey, A. K. (2018). Insights into the human oral microbiome. *Archives of Microbiology*, 200, 525.

Zempel, H., Dennissen, F., Kumar, Y., Luedtke, J., Biernat, J., Mandelkow, E.M., & Mandelkow, E. (2017). Axondendritic sorting and pathological missorting of Tau is isoform specific and determined by axon initial segment architecture. *Journal of Biological Chemistry*, 292, 12192-12207.

## Research Projects

Jointly by Indo-US Science and Technology Forum and Department of Biotechnology, 2016, *Indo-US Advanced Bioenergy Consortium*, Rs. 52.845 Lakhs.

DBT, 2017, *Low Cost process Development for the Production of Xylitol from Waste Agricultural Biomass with Special focus on Delignification and Downstream Processing*, Rs.23.0 Lakhs.

SERB-DST, 2018, *Purification and Characterization of Compounds from Streptomyces Chrestomyceticus Strain adp4 with activities against pathogenic Candida spp. and their biofilms*, Rs. 44.85918 Lakhs.

DBT, 2018, *To Study Positive Interaction between Bacteria/carbon Nano Dots with Algae, and the Morphological changes in Algae associated with these kind of interactions in algal fuel cell*, Rs. 8.0 Lakhs.

DBT, 2018, *Analysis of Microbiological Quality of Milk and Dairy Products at Different Food outlets*, Rs. 8.0 Lakhs.

SERB-DST, 2018, *Development of a Mammalian Expression System for Generation of Bispecific Antibodies – A Potential Biomarker and Therapeutics*, Final sanction order is in process.

## Patents Filed/Granted

Indian Patent filed, Application No. 201711030467, Novel Anti-Candida Compounds.

## Talks Organised

Organised talk on 'Dimorphism: an intriguing phenomenon' by Prof. M. V. Deshpande, CSIR – NCL Pune, February, 2018.

Organised talk on "Epigenetic regulation of the virulence phenotypes in the human pathogen *Cryptococcus neoformans*" by Prof. Marcio Poças, Department of Genetics and Morphology, Institute of Biological Sciences, University of Brasilia, Brazil, February, 2018.

Organised talk on "Recombinant Vaccines for Anthrax" by Prof. Rakesh Bhatnagar, JNU, February, 2018.

## Conferences Organised

Organised two day conference BESCON-2017 "National conference on Biological Engineering in 21 century" on 08<sup>th</sup>-09<sup>th</sup> September, 2017, at NSIT supported by SERB (DST).

## Seminar/ Conference Presentation

Bhatnagar, S. (2017). Central stress response elements in *Acinetobacter baumannii* using integrative network biology approach. 11th International Symposium on the Biology of *Acinetobacter*, 20-22 September, 2017 in Seville, Spain.

Chaubey, A., Dubey, A.K. (2017). Evaluation of potent antioxidant properties of an extract prepared from fruit waste by using *Pichia pastoris* as an experimental model. 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on "Microbes for Sustainable Development: Scope & Applications" (MSDSA-2017), 16-19 November 2017 at BBAU, Lucknow.

Chaubey, A., Dubey, A.K. (2017). Extraction techniques to obtain secondary metabolites from plants. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dadwal, A., Sharma, S., Satyanarayana, T.(2017). Development of thermostable enzyme cocktail for saccharification of lignocellulosics. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Siddharth, K., Singh, M. D., Bhushan, B., Wadhwa, A.K. (2017). Design, fabrication and evaluation of lab scale dairy effluent treatment plant. BESCON-2017: National conference on Biological Engineering in 21 century, , 8-9 September 2017 at NSIT, New Delhi.

Dubey, A. (2107). In vitro cytotoxicity assessment of two organophosphate pesticides in an established fish cell line, WAG. BESCON-2017: National conference on Biological Engineering in 21 century, , 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Bhushan, S., Singh, S., Aggarwal, S., (2017). Cultivation of algal biomass along with phytoremediation of arsenic polluted wastewater. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Dubey, A., Motsara, A., Mishra, N. (2017). In silico kinetic modelling of DAP/Lysine pathway for rational drug design. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Gupta, A., Kumar, Y. (2017). Development of bispecific antibodies for treatment of cancer. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Joon, S., Gopalani, M., Rahi, A., Kulshreshtha, P., Gogoi, H., Bhatnagar, S., Bhatnagar, R. (2017). A study of the interaction mechanism of GTP with CodY of *Bacillus anthracis*. International Conference on Medical and Clinical Microbiology, 3-4 July 2017 in Bangkok, Thailand.

Kumar, R., Sharma, S., Satyanarayana, T. (2017). Utility of thermostable xylan-degrading enzymes of *Myceliophthora thermophila* in bioconversion of lignocellulosic crop residues to ethanol. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Mohanty, P., Bhatnagar, S. (2017). Role of phosphorylation in focal adhesion kinase mediated pathological cardiac hypertrophy. BESCON 2017: National conference organised by Biological Engineering Society, 8-9 September 2017 at NSIT, New Delhi.

Mohanty, P., Bhatnagar, S. (2017). Targeted molecular dynamics to determine focal adhesion targeting domain folding intermediates. NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference organised by SciGenom Research Foundation (SGRF) 2-4 October 2017 at KIIT (Odisha). Published in Canadian Journal of Biotechnology, Volume 1, Special Issue, Page 27.

Rai, S., Bhatnagar, S. (2017). Drug targets and lipid biomarkers of hyperlipidemia associated diseases. NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference organised by SciGenom Research Foundation (SGRF) 2-4 October 2017 at KIIT (Odisha). Published in Canadian Journal of Biotechnology, Volume 1, Special Issue, Page 28.

Singh, R., Dubey, A.K. (2017). Anti-infective and anti-biofilm activity of endophyte ADR1 against Methicillin resistant and sensitive *Staphylococcus aureus*. AMI-2017. 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on "Microbes for Sustainable Development: Scope & Applications" (MSDSA-2017), 16-19 November 2017 at BBAU, Lucknow.

Singh, R., Dubey, A.K. (2017). Inhibition of biofilm formation by *Staphylococcus* species by natural products-derived compounds. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Singla, R.K., Dubey, A.K. (2017).  $\alpha$ -Amylase inhibitory potential of *Cocos nucifera* endocarp's extract: in vitro and in silico Studies. International Conference on Drug Design (ICDD), 7-9 April 2017 at JNU, New Delhi.

Singla, R.K., Dubey, A.K. (2017). Phytochemical screening and hemolytic activity of dry distilled extract obtained from *Cocos nucifera* Linn. endocarp. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

Srivastava, V., Singla, R.K., Dubey, A.K. (2017) Inhibition of secretory aspartyl protease of *Candida albicans* by metabolites of *Streptomyces chrestomyceticus* strain ADP4. MOL2NET 2017, International Conference on Multidisciplinary Sciences, 3rd edition. 3, DOI: 10.3390/mol2net-03-04969

Srivastava, V., Dubey, A.K. (2017). *Candida* biofilms infections, leading cause for morbidity and mortality. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 Sep 2017 at NSIT, New Delhi.

Verma, D., Dubey, A.K. (2017). Characterization of oral microbiome of smokeless tobacco induced oral cancer patients using NGS approach. BESCON-2017: National conference on Biological Engineering in 21 century, 8-9 September 2017 at NSIT, New Delhi.

#### **Placement Detail**

90% placement in Biotech Division.

About 40 companies have visited for campus recruitment.

#### **Number of M.Phil./Ph.D. degrees Awarded**

Ph.D.: 02

#### **Faculty Strength**

08

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## COMPUTER ENGINEERING

### Major Activities and Achievements

The department conducted international conference TEAMC-2018 sponsored by Springer. Around 43 research publications in reputed international journals and international conferences were published by the faculty and students. The department conducted a one week workshop (DMT3A-2017) Data mining Task tool Technique and application in the month of November-December 2017. There were 60 participants (both from industries and academia) attended the course.

### Publications

Aggarwal, G., Sabharwal, S. & Nagpal, S. (2018). Theoretical and empirical validation of coupling metrics for object-oriented data warehouse design. *Arabian Journal for Science and Engineering*, 43 (2), 675-691.

Aggarwal, S., Bhandari, L., Kapoor, K., & Kaur, J. (2017). Weighted fuzzy KNN optimized by simulated annealing for classification of large data: A new approach to skin detection. In *International Conference on Recent Developments in Science, Engineering and Technology* (pp. 156-163). Springer, Singapore.

Aggarwal, S. & Azad, V. (2017). A hybrid system based on FMM and MLP to diagnose heart disease. In *Fuzzy Systems: Concepts, Methodologies, Tools, and Applications* (pp. 682-714). IGI Global.

Aggarwal, S., & Azim, S. (2017). Outliers, missing values, and reliability: an integrated framework for pre-processing of coding data. In *Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making* (pp. 316-330). IGI Global.

Arora, S., Dey, S., Shruti, & Nagpal, S. (2017). Feature selection using gravitational search algorithm for biomedical data. 7th International Conference on *Advances in Computing & Communication (Procedia Computer Science Elsevier)*, Aug 22-24, 2017, India.

Bhatia, M. P. S., Veenu, & Chandra, P. (2018). A new weight initialization method for sigmoidal FFANN. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Bhatia, M. P. S., Veenu, & Chandra, P. (2018). Impact of weight initialization on training of sigmoidal FFANN. *ICTACT Journal on Soft Computing*, 08(03), 1692-1695.

Bhutani, K., & Aggarwal, S. (2017). Neutrosophic rough soft set–A decision making approach to appendicitis problem. *Neutrosophic Sets and Systems*, 70.

Bhutani, K., & Aggarwal, S. (2018). A novel approach for data classification using neutrosophic entropy. In *System and Architecture* (pp. 305-317). Springer, Singapore.

Chaudhary, D., & Kumar, B. (2018). A new balanced particle swarm optimization for load scheduling in cloud computing. *Journal of Information & Knowledge Management*, 17I (1). Doi.org/10.1142/S0219649218500090.

Chaudhary, D., & Kumar, B. (2018). Cloudy GSA for load scheduling in cloud computing. *International Journal of Applied Soft Computing*, doi.org/10.1016/j.asoc.2018.07.046.

Chaudhary, D., Kumar, B., & Khanna, R. (2017). NPSO based cost optimization for load scheduling in cloud computing. *Communications in Computer and Information Science Series*, 746, 109-121.

Chaudhary, D., Kumar, B., Sakshi, & Khanna, R. (2017). Improved bee swarm optimization algorithm for load scheduling in cloud computing environment, *Communications in Computer and Information Science Series*, Springer - 4<sup>th</sup> International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2017), 13-14 October, 2017, pp 400-413.

Choudhary, C. Mullick, D., & Nagpal, S. (2017). Gravitational search algorithm in recommendation systems. 8<sup>th</sup> International conference on Swarm Intelligence (ICSI), July 28-Aug 02, 2017, Fukuoka, Japan (Springer LNCS).

Garg, A., Naryani, D., Aggarwal, G., & Aggarwal, S. (2018). DL-GSA: A deep learning metaheuristic approach to missing data imputation. *International Conference on Sensing and Imaging* (pp. 513-521). Springer, Cham.

Gupta, A., Agarwal, D., Veenu, & Bhatia, M. P. S. (2018). Performance analysis of content based image retrieval systems. *Accepted in International conference on Computing, Power and Communication Technologies 2018, GUCON-2018 to be held from 28<sup>th</sup> - 29<sup>th</sup> September, 2018.*

Gupta, A., Thakur, H. K., Shrivastava, R., Kumar, P., & Nag, S. (2017). A big data analysis framework using apache spark and deep learning. *ICDM Workshops 2017*: 9-16.

- Gupta, A., Thakur, H. K., Shrivastava, R., Kumar, P., & Nag, S. (2017). A big data analysis framework using apache spark and deep learning. *ICDM Workshops 2017*: 9-16.
- Jain, A., Gupta, D., Gupta, G., & Aggarwal, S. (2017). Applications of computing with words in medicine: Promises and potential. In *Fuzzy Systems (FUZZ-IEEE)*, 2017 IEEE International Conference, (pp. 1-6). IEEE.
- Kalra, D., Dwivedi, C., & Aggarwal, S. (2017). Classifier dependent dimensionality reduction for resource restricted environments. In *International Conference on Recent Developments in Science, Engineering and Technology* (pp. 177-186). Springer, Singapore.
- Kumar, R., Gupta, A., Gupta, A., & Bansal, A. (2017). Image contrast enhancement using hybrid elitist ant system, elitism-based immigrants genetic algorithm and simulated annealing. *CVIP*, (1), 115-129.
- Kumar, D., Chand, S., & Kumar, B. (2018). Cryptanalysis and improvement of an authentication protocol for wireless sensor networks applications like safety monitoring in coal mines. *Journal of Ambient Intelligence and Humanized Computing*, doi.org/10.1007/s12652-018-0712-8.
- Kumar, R., Gupta, A., Gupta, A., & Bansal, A. (2017). Image contrast enhancement using hybrid elitist ant system, elitism-based immigrants genetic algorithm and simulated annealing. *CVIP* (1), 115-129.
- Malhotra, A., Dhurandher, S. K., Gupta, M., & Kumar, B. (2018). Location aware data distribution in P2P mobile cloud. <http://www.scs.ryerson.ca/iwoungan/WIDECOM18/> February 16-18, 2018, SRM University, Delhi.
- Manju, Chand, S. & Kumar, B. (2017). Selective  $\alpha$ -coverage based heuristic in wireless sensor networks. *Wireless Personal Communication*, doi-10.1007/s11277-017-4589-1 2017.
- Manju, Chand, S. & Kumar, B. (2018). Genetic algorithm based meta-heuristic for target coverage problem. *International Journal IET Wireless Sensor systems*, 7, 109-115.
- Manju, Chand, S. Kumar, B. (2018). Target coverage heuristic based on learning automata in WSNs. *International Journal IET Wireless Sensor Systems*, 8(3), 109-115.
- Manju, Singh, D., Chand, S., & Kumar, B. (2018). Genetic algorithm-based heuristic for solving target coverage problem in wireless sensor networks. *Journal of Advanced Computing and Communications Technologies*, 562, 257-264.
- Manju, Singh, D., Chand, S., & Kumar, B. (2018). Target coverage heuristics in wireless sensor networks. *Journal of Advanced Computing and Communications Technologies*, 562, 265-273.
- Mullick, D., Garg, A., Bajaj, A., & Aggarwal, S. (2017). Ant Colony Based Fuzzy C-Means Clustering for Very Large Data. In *Advances in Fuzzy Logic and Technology 2017* (pp. 578-591). Springer, Cham.
- Nigam, R., & Jain, S. (2018). A study of various protocols in opportunistic network', published in National Conference Latest Innovations in Data Science & Cyber Security, 2018, held on 23<sup>rd</sup> March 2018.
- Rani, P., & Shokeen, J. (2018). A survey on label propagation based techniques for community detection in social networks, in *Proceedings of the 12<sup>th</sup> INDIACom and 5th International Conference on Computing for Sustainable Global Development*, 2018.
- Rani, P., & Shokeen, J. (2017). Issues and challenges in link prediction for social networks, in *Proceedings of the 11th INDIACom and 4th International Conference on Computing for Sustainable Global Development*, 2017.
- Rani, P., Bhatia, M. P. S., & Tayal, D. K. (2018). A soft-computing based approach to Group relationship analysis using weighted arithmetic and geometric mean, in *International conference on innovative computing and communication (ICICC-2018)*, 2018.
- Rani, P., Bhatia, M., & Tayal, D. K. (2017). An astute SNA with OWA operator to compare the social networks. *I. J. Information Technol. Comput. Sci.*, 2017.
- Rani, P., Bhatia, M., & Tayal, D. K. (2017). Qualitative SNA methodology, in *Proceedings of the 12th INDIACom and 5th International Conference on Computing for Sustainable Global Development*, 2018.
- Sabharwal, S., Nagpal, S., & Aggarwal, G. (2017). Empirical analysis of metrics for object oriented multidimensional model of data warehouse using unsupervised machine learning techniques. *International Journal of System Assurance and Engineering Management*, 8 (2), 703-715.
- Sabharwal, S., Nagpal, S., Malhotra, N., Singh, P., & Seth, K. (2018). Analysis of feature ranking techniques for defect prediction in software system. Springer book chapter, *Quality, IT and Business Operations*, 45-56.

Sawhney, R., Manchanda, P., Singh, R., & Aggarwal, S. (2018). A computational approach to feature extraction for identification of suicidal ideation in tweets. In Proceedings of ACL 2018, Student Research Workshop (pp. 91-98).

Sharma, D., Kumar, B., & Chand, S. (2017). Identify and recommending researchers in machine learning based on author-topic model. *International conference ICPR-2017* on 22nd-23rd December 2017 (Accepted).

Sharma, D., Kumar, B., & Chand, S. (2017). Trend analysis of machine learning research using topic network analysis. *Communications in Computer and Information Science Series*, Springer - 4th International Conference on Recent Developments in Science, Engineering and Technology, 13-14 October, 2017, 34-47.

Sharma, D., Kumar, B., & Chand, S. (2017). A survey on journey of topic modelling techniques from SVD to deep learning. *International Journal of Modern Education and Computer Science*, 9(7), 50-62.

Singh, A., Bhatia, M. P. S., & Veenu, (2017). Error estimation of artificial neural network with varying inputs. *First International Conference on Computing and Communication Technologies for Smart Nation*, IC3TSN 2017, held on 12-14 October, 2017. Published and is available on IEEEExplore.

Singh, D., Singh, S., Kumar, B., & Chand, S. (2018). Simple and secure authentication scheme using symmetric key (SSAS) in wireless sensor networks. *12<sup>th</sup> International Conference as INDIACOM-2018*, Delhi: 14-16 March 2018.

Singh, D., Singh, S., Kumar, B., Chand, S. (2018). Anonymity preserving authentication and Key agreement scheme for wireless sensor networks. *International Conference Futuristic Trends in network and Communication Technologies*, Wanknaghat: 9-10 February 2018.

Singh, D., Singh, S., Kumar, B., Chand, S. (2018). Trend analysis in machine learning research using text mining. *International Conference on Advances in Computing Communication Control and Networking* on 12<sup>th</sup> - 14<sup>th</sup> October 2018.

Singh, Y. V., Kumar, B., Chand, S., & Kumar, J. (2018). A comparative analysis and proposing 'ANN fuzzy AHP model for requirements prioritization. *Internal Journal of Information Technology and Computer Science*, 10(4), 55-65.

Soni, R., Kumar, B., & Chand, S. (2017). Text detection and localization in natural scene images using MSER and fast guided filter. *IEEE Fourth International Conference on Image Information Processing*, December 21-23, 2017 JUIT, Solan. doi.org/10.1109/ICIIP.2017.8313739.

Yadav, S., & Chakraborty, P. (2017). Children aged two to four are able to scribble and draw with a smart phone. *Acta Paediatrica*, 106(6), 991-994.

Yadav, S., & Chakraborty, P. (2018). Using smartphones with suitable apps can be safe and even useful if they are not misused or overused. *Acta Paediatrica*, 107(3), 384-387.

### Conferences Organised

01 (international) + one Workshop DMT3A

### Placement Details

100% placement of 184 students.

### Number of M.Phil. / Ph.D Degrees awarded

M. Tech.: 12 Ph.D.: 04

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## ELECTRONICS AND COMMUNICATION ENGINEERING

### Major Activities and Achievements

The department offers B.E. program in Electronics and Communication Engineering (ECE) with an intake of 184 students per year, M. Tech. program in Signal Processing with an intake of 23 students per year and Embedded System and VLSI with an intake of 18 students. In addition, it offers Ph.D. program in allied areas of ECE. Department has various UG/PG and research laboratories which are equipped with state-of-the-art equipments and advanced softwares. Department has one centre namely Centre of Electronics Design and Technology (CEDT). Our faculty members regularly publish their research findings in top-tier peer reviewed journals. We have published in Elsevier, Springer, Taylor Francis, IEEE and other high impact journals. Our faculty members are regularly invited to share their novel research findings through delivering keynote and plenary lectures at National and International Institutions.

## Publications

- Aggarwal, A., Kumar, M., Rawat, & T. K. (2018). Design of digital differentiator using L1 method and swarm intelligence based optimization algorithms. *Arbian Journal of Science and Engineering*, Doi: 10.1007/s13369-018-3188-0.
- Barsainya, R., Agarwal, M., & Rawat, T. K. (2017). Design and FPGA implementation of multiplierless comb filter. *International Journal of Circuit Theory and Applications*, 45(11), 1497-1513.
- Barsainya, R., & Rawat, T. K. (2017). Novel realization of GIC based wave digital filters using Al-Alaoui transform. *Alexandria Engineering Journal*, 56, Doi.org/10.1016/j.aej.2017.03.010.
- Barsainya, R., & Rawat, T. K. (2017). Novel design of recursive differentiator based on lattice wave digital filter. *Radio Engineering Journal*, 26(1), 387-395.
- Barsainya, R., Agarwal, A. & Rawat, T. K. (2018). Optimal design of minimum multiplier lattice wave digital lowpass filter using metaheuristic techniques. *IET Signal Processing*, doi:10.1049/iet-spr.2017.0449.
- Bansal, U., & Gupta, M. (2018). High bandwidth transimpedance amplifier using FGMOS for low voltage operation. *Integration, the VLSI Journal*, 60, 153-159.
- Gautam, K., Rawat, T. K., Parthasarathy, H., Sharma, N., Upadhyay, V. (2017). Realization of the three-qubit quantum controlled gate based on matching Hermitian generators. *Quantum Information Processing*, 16(5), 113-140.
- Iyer, S. & Singh, S. P. (2017). Spectral and power-efficiency investigation in single and multi-line-rate optical wavelength division multiplexed (WDM) networks. *Photon. Netw. Commun*, 33(1), 39-51.
- Iyer, S., & Singh, S. P. (2017). Effect of channel spacing on the design of mixed line rate (MLR) optical wavelength division multiplexed (WDM) networks. *Journal of Optical Communications*.
- Iyer, S., Singh, S. P. (2017). Effect of Traffic Uncertainties on the Design of Mixed Line Rate (MLR) Optical Networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(2), 61-66.
- Iyer, S., & Singh S. P. (2017). Investigation of cost, power and spectral efficiency in fixed- and flexi-grid networks. *Journal of Communications and Information Networks*, 2(3), 92-103.
- Iyer, S., & Singh, S. P. (2017). Comparison of cost, power consumption and spectrum utilization in protected fixed- and flexi-grid optical networks. *IETE Journal of Research*.
- Iyer, S., & Singh, S. P. (2017). A novel dedicated route protection scheme for survivability of link failure in elastic optical networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(3), 120-127.
- Iyer, S., & Singh S. P. (2017). Spectral and power-efficiency trade-off in fixed-grid optical networks. *Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems*, 6(3), 97-107.
- Joseph, D., Chawla, P., Chander, H., & Rawat, T. K. (2017). A multipurpose toolkit for reaching DSP in an undergraduate course. *Computer Applications in Engineering Education*, 25(3), 530-541.
- Kumar, M., & Rawat, T. K. (2017). Design of fractional-order differentiator using Type-III and Type-IV discrete cosine transform. *Engineering Science and Technology: An International Journal*, 20(1), 51-58.
- Kumar, M., Rawat, T. K., & Aggarwal, A. (2017). Adaptive infinite impulse response system identification using modified-interior search algorithm with levy flight. *ISA Transactions*, 67, 266-279.
- Narang N., Aggarwal B., & Gupta M. (2017). DTMOS and FD-FVF Based low voltage high performance VDTA and its application in MISO Filter. *Microelectronics Journal*, 63, 66-74.
- Sharma, N., Rawat, T.K., Parthasarathy, & H., Gautam, K. (2017). Optimum quantum receivers for detecting weak signals in PAM communication systems. *Quantum Information Processing*, 16(9), 208-229.
- Singh, A. K., Kumar, P., & Senani, R. (2017). New grounded immittance simulators employing a single CFC. *IET Journal of Engineering*, 2017(8), 435-447.
- Senani, R., Bhaskar, D. R., Gupta S. S., & Singh, B. (2017). Rebuttal to Fully-uncoupled frequency of oscillation and condition of oscillation: A caution. *Archiv. Fur Electronics und Ubertragungstech*, 81, 120-131.
- Srivastava, D. K., Singh, V. K., & Senani, R. (2017). CMOS-Compatible Linear VCO using a single CFOA and grounded capacitors. *American Journal of Electrical and Electronics Engineering*, 5(6), 202-206.

Singh, A. K., Gupta, A., & Senani, R. (2017). OTRA-based multifunction inverse filter configuration. *Advances in Electrical and Electronics Engineering*, 15(6), 846-856.

Singh, A. K., Kumar, P., & Senani, R., (2018). Electronically-tunable grounded/floating inductance simulators using z-copy CFCCC. *Turkish Journal of Electrical Engineering and Computer Science*, 26, 1041-1055.

#### **Seminar/Conference Presentations**

Aggarwal B., Sanghwahia M., Gautam S., (12<sup>th</sup> -13<sup>th</sup> August, 2017). Current mode second order unity gain filters using single CDBA”, International Conference on Innovations in Control, Communication and Information Systems (ICICCI-2017), Greater Noida.

Aggarwal B., Bansal P., Sharma S.K., (14<sup>th</sup> - 16<sup>th</sup> March, 2018). “Low-Voltage Multi-Input High Transconductance Amplifier Using Differential Flipped Voltage Follower”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Aggarwal B., Sharma S.K., Bansal P., (14<sup>th</sup> - 16<sup>th</sup> March, 2018). “Improved Linear CMOS Current Differencing Transconductance Amplifier”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Bansal, U., Gupta, M., & Rai, S. K. (2017, July). Resistively compensated and SSF based VDBA offering high GBW and its application as a biquad filter. In *Computer, Communications and Electronics (Comptelix)*, 2017 International Conference on (pp. 221-226). IEEE.

Dua M., Dipti, Bharti M., Aggarwal B., (14<sup>th</sup> - 16<sup>th</sup> March, 2018). Classifiers used for Iris Recognition System: A Survey”, IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

Iyer S. and Singh S. P. (2017). Performance Comparison of Two-Step Dynamic RSA Approaches in Elastic Optical Networks,”International Conference on Recent Trends, Emerging Issues in Science, Engineering, Environment and Technology (ICRESEET-2017).

Iyer S. and Singh S. P. (2018). Offline Scheduling Schemes to Transfer Voluminous Deadline Complying Data in Elastic Optical Networks. Twenty Fourth National Conference on Communications (NCC).

Sharma N., Gupta R., Aggarwal B., Bharti M., (14<sup>th</sup> - 16<sup>th</sup> March, 2018). Haze Removal Algorithm based on Color Attenuation Prior. IEEE 12th INDIACom International Conference (INDIACom-2018); BVOCE, Delhi.

#### **Number of M. Tech./Ph.D. Degrees Awarded**

**Ph.D.:** 04

**M. Tech.:** 12

#### **Faculty Strength**

Professor: 08, Associate Professor: 01, Assistant Professor: 07, Teaching cum Research Fellow: 19

#### **Other Significant Information**

Organised a workshop on “Signal Processing using MATLAB and MyRIO-National Instruments” from 7/10/2017 to 14/10/2017.

Awarded Certificate of Outstanding Contribution in Reviewing by AEUE-International Journal of Electronics and Communications (Germany) for 2017 to Prof. Raj Senani.

Publons Peer Review Award 2017 for being one of the top 1% reviewers in Multi-disciplinary areas of research to Prof. Raj Senani.

Prof. Raj Senani: Editor-in-Chief: IETE Journal of Education (August 2012-December 2017).

Prof. Raj Senani: Associate Editor, Circuits, Systems and Signal Processing, Birkhauser-Boston/Springer (since 2003-continuing).

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### **INFORMATION TECHNOLOGY**

#### **Major Activities and Achievements**

A Short Term Course (STC) on the theme “Information Security and Digital Forensics (ISDF-2017)” was organised from 05<sup>th</sup> to 09<sup>th</sup> June, 2017 by the department at NSIT. The objective of the course was to enlighten



the audience about importance of information security and computer forensics by bringing together eminent researchers, educators and practitioners in the field under one roof. The STC was beneficial mainly to the research scholars and faculty members of the engineering colleges and universities. The total number of participants for this STC was 110 that included 43 external faculties, 24 external Research Scholars, 12 Internal Research Scholars and 31 Internal Faculties. Experts from IITs, NITs, IIIT, industries and other premier institutions delivered the lectures. The feedback of the STC was excellent and inspiring.

### Honours/Distinctions

Best Paper Award: Maninder Singh Raniyal, Isaac Woungang, Sanjay Kumar Dhurandher, "An In ter-device Authentication Scheme for Smart Homes Using One-Time-Password Over Infrared Channel", ISDDC 2017: 95-117.

### Publications

Agarwal, G., Maheshkar, V., Maheskar, S., Gupta, S. (2018). Recognition of emotions of speech and mood of music: A review, *International Conference on Wireless, Intelligent and Distributed Environment for COMmunication* (WIDECOM 2018) February 16-18, 2018, SRM University.

Agarwal, G., Maheshkar, V., Maheshkar, S., & Gupta, S. (2018). Vocal mood recognition: text dependent sequential and parallel approach, SIGMA-2018 Springer Book Series (Advances in Intelligent Systems and Computing).

Agarwal, J. Jain, R. Dhurandher, S. K., Woungang, I., Gupta, N. (2018). Fair sub-carrier allocation in OFDMA and cognitive radio based IEEE 802.22 WRAN, *INFOCOM Workshops*, 571-576.

Borah, S. J., & Dhurandher, S. K., Woungang, I., Kumar, V., & Barolli, L. (2018). A multi-objectives based technique for optimized routing in opportunistic networks. *J. Ambient Intelligence and Humanized Computing*, 9(3), 655-666.

Borah, S. J., Dhurandher, S. K., Woungang, I., Kumar, V. (2017). A game theoretic context-based routing protocol for opportunistic networks in an IoT scenario. *Computer Networks*, 129, 572-584.

Borah, S. J. Dhurandher, S. K., Tibarewala, S., Woungang, I., Obaidat, M. S. (2017). Energy-efficient prophet-PRoWait-EDR Protocols for opportunistic networks. *GLOBECOM* 2017, 1-6.

Choudhary, S. P., Kumar, A., Maheshkar, S., & Maheshkar, V. (2018). An integrated method of copy-move and splicing for image forgery detection. *Multimedia Tools and Applications*, Mar 2018.

Choudhary, S. P., Maheshkar, S., & Maheshkar, V. (2018). Detection of copy-move image forgery with efficient block representation and discrete cosine transform, SIGMA-2018. *Journal of Intelligent and Fuzzy Systems*, [Special Issue, IOS Press].

Chhabra, A., Vashishth, V., & Sharma, D. K. A fuzzy logic and game theory based adaptive approach for securing opportunistic networks against black hole attacks", *International Journal of Communication Systems*, doi:10.1002/dac.3487.

Dhurandher, S. K., Borah, S. J., Woungang, I., Tibarewala, S., & Barolli, S. (2018). DEEP: Distance and encounter based energy-efficient protocol for opportunistic networks. *J. High Speed Networks*, 24(2), 119-131.

Dhurandher, S. K., Borah, S. J., Woungang, I., Bansal, A., Gupta, A. (2018). A location prediction-based routing scheme for opportunistic networks in an IoT scenario. *J. Parallel Distrib. Comput.* 118(Part), 369-378.

Dhurandher, S. K., Sharma, D. K., Woungang, I., Saini, A. (2017). An energy-efficient history-based routing scheme for opportunistic networks. *Int. J. Communication Systems*, 30(7).

Fatema, M., Maheshkar, V., & Maheshkar, S. (2017). Tamper detection using fragile image watermarking based on chaotic system, *2nd International Conference on Telecommunication and Networks*, August 10-11, 2017, Amity, NOIDA.

Garg, N., Dhurandher, S. K., Nicopolitidis, P., Lather, J. S. (2018). Efficient mobility prediction scheme for pervasive networks. *Int. J. Communication Systems*, 31(6) (2018).

Gupta, N., Dhurandher, S. K., Woungang, I., Joel, J. P. C. & Rodrigues, (2017). Game theoretic analysis of post handoff target channel sharing in cognitive radio networks. *GLOBECOM* 2017: 1-6.

- Hansda, B., Maheshkar, V., & Maheshkar, S. (2017). A robust watermarking scheme for 3d polygon mesh models using mean curvature, *5th International Conference on Advanced Computing, Networking, and Informatic*, ICACNI, 01-03 June, 2017.
- Kumar, D., Deshwal, S., Sumit, Yadav, R. (2017). A XOR based – key exchange protocol. *International Journal of Electronics, Electrical and Computational System*, 6(5), 24-28.
- Kumar, D., Deshwal, S., Sumit, Yadav, R. (2017). Attribute based cloud authentication. *International Journal of Engineering Technology Science and Research*, 4(6), 648-652.
- Kumar, D., Chand, S., & Kumar, B. Cryptanalysis and improvement of an authentication protocol for wireless sensor networks applications like safety monitoring in coal mines. *Journal of Ambient Intelligence and Humanized Computing*.
- Kumar, D., Chand, S., & Kumar, B. (2018). A PKC-based user authentication scheme without smart card. *Journal of Intelligent and Fuzzy Systems*.
- Kumar, D., Chand, S., & Kumar, B. (2018). Cryptanalysis and Improvement of a Two-Factor user authentication scheme. *Infocommunications Journal*.
- Kumar, D. (2017). Cryptanalysis of a secure biometric-based three-factor remote authentication scheme for mobile client-server networks. *Proceedings of the 2<sup>nd</sup> International Conference on Inventive Computation Technologies*, 612-614.
- Kumar, D., Grover, H. S., & Adarsh (2018). Cryptanalysis of a secure and lightweight authentication protocol for wearable devices environment. *Proceedings of the 2nd International Conference on Inventive Systems and Control*, 1065-1070.
- Kumar, D. (2018). Cryptanalysis and Improvement of a User Authentication Scheme for SIP”, *International Conference on Wireless, Intelligent and Distributed Environment for Communication*, Springer (WIDECOM 2018).
- Kumar, A., Choudhary, S. P., Maheshkar, S., & Maheshkar, V. (2017). Markov feature extraction using enhanced threshold method for image splicing forgery detection, *International Conference on Smart Innovations in Communications and Computational Sciences (ICSICCS-2017)*, North West Group of Institutions, Moga, Punjab, India during 23-24 June 2017.
- Kumar, B., & Dhurandher, S. K., Woungang, I. (2018). A survey of overlay and underlay paradigms in cognitive radio networks. *Int. J. Communication Systems*, 31(2).
- Kumar, A. Dhurandher, S. K., Woungang, I., Obaidat, M. S., Gupta, S., Joel, J. P. C. Rodrigues. (2017). An altruism-based trust-dependent message forwarding protocol for opportunistic networks. *Int. J. Communication Systems* 30(10).
- Kumar, S., Dave, M., Dhurandher, S. K., Woungang, I., Barolli, L. (2017). An ant-based QoS-aware routing protocol for heterogeneous wireless sensor networks. *Soft Comput.* 21(21): 6225-6236.
- Kumar, A., Dhurandher, S. K., Woungang, I., Kumar, V., & Takizawa, M. (2017). Interference aware metric-based routing protocol in cognitive radio networks. *BWCCA 2017*, 502-515.
- Kukreja, D., Dhurandher, S. K., & Reddy, B. V. R. (2017). Power aware malicious nodes detection for securing MANETs against packet forwarding misbehavior attack. *Journal of Ambient Intelligence and Humanized Computing*, 1-16, Doi: 10.1007/s12652-017-0496-2.
- Maheshkar, V., & Maheshkar, S. (2017). Face recognition using DCT based energy discriminant mask. *International Journal of Computer Applications*, 170(5), 46-51.
- Puchhal, K., Dhurandher, S. K., Borah, S. J., Woungang, I., Jain, S., Gupta, S. (2017). A\* search based next hop selection for routing in opportunistic networks. *IJSSC* 7(3), 177-186.
- Raniyal, M S., Woungang, I., Dhurandher, S. K. (2017). An inter-device authentication scheme for smart homes using one-time-password over infrared channel. *ISDDC 2017*, 95-117.
- Rashmi S, Vikas Maheshkar and Sushila Maheshkar, (2017). A blind multiple composite watermarking technique in frequency domain. *2nd International Conference on Telecommunication and Networks*, August 10-11, 2017, AMITY, NOIDA.
- Sharma, D. K., Dhurandher, S. K., Agarwal, D., & Arora, K. (2018). kROp: k-Means clustering based routing protocol for opportunistic networks. *Journal of Ambient Intelligence and Humanized Computing*.
- Sharma, D. K., Dhurandher, S. K., Obaidat, M. S., Bansal, A., & Gupta, A. (2017). Genetic algorithm and probability based routing protocol for opportunistic networks, in *proceedings of IEEE International Conference on Computer, Information and Telecommunication Systems (CITS)*, 21-23 July, 2017, Dalian, China.

Sharma, D. K., Dhurandher, S. K., Woungang, I., Bansal, A. & Gupta, A. (2017). GD-CAR: A genetic algorithm based dynamic context aware routing protocol for Opportunistic networks, in proceedings of 20<sup>th</sup> Intl. Conference on Network-Based Information Systems (NBIS-2017), Aug. 24-26, 2017, Toronto.

Sharma, D. K., Yadav, A., Sharma, A., & Kumar, J. (2017). KNNR: K-Nearest neighbour classification based routing protocol for opportunistic networks, in proceedings of IEEE Tenth International Conference on Contemporary Computing (IC3 2017), 10-12 August 2017, Noida, India.

Sharma, D. K., Singh, A., Khanna, A., & Jain, A. (2017). Evaluation of parameters and techniques for genetic algorithm based channel allocation in cognitive radio networks, in proceedings of IEEE Tenth International Conference on Contemporary Computing (IC3 2017), 10-12 August 2017, Noida, India.

Sharma, D. K., Bhatt, A., & Kumar, A. (2017). An analytical study to find the major factors behind the great smog of Delhi, 2016: Using fundamental data sciences, in Proceedings of 4<sup>th</sup> International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2017), October 13-14, 2017, GD Goenka University, Gurgaon, Haryana, India.

Singh, R. K., Maheshkar, S., & Maheshkar, V. Static signature authentication based on J48 and random forest". *IJERT*, 6 (05).

No. of Department Teachers Serving as Editors/Members of Editorial Board

01 (ONE)

#### **Seminar/Short term course organised**

Total No.: 01

Details: short term course (STC) on the theme "Information Security and Digital Forensics (ISDF-2017)"

#### **Seminar/Conference Presentation**

Babulal Hansda, Vikas Maheshkar and Sushila Maheshkar, A Robust Watermarking Scheme for 3D Polygon Mesh Models Using Mean Curvature, 5th International Conference on Advanced Computing, Networking, and Informatic, ICACNI, 01-03 June, 2017.

Devender Kumar, Cryptanalysis and Improvement of a User Authentication Scheme for SIP, International Conference on Wireless, Intelligent and Distributed Environment for Communication, Springer (WIDECOM 2018).

#### **Placement Details**

No. of students placed: 80%

No. of companies visited - 30 (approx.)

#### **Number of M.Phil./Ph.D Degrees Awarded**

Ph.D: 02 (Submitted)

#### **Faculty Strength**

08 (permanent), 02 (contractual)

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### **INSTRUMENTATION AND CONTROL ENGINEERING**

#### **Major Activities and Achievements**

The Department is engaged in teaching and research in the field of Instrumentation & Control Engineering. Each year, we admit 180 students to graduate course (B.E) through an All India Entrance Test and around 40 students to two Post-graduate courses (M.tech in Process Control & Industrial Electronics). Our students come from varied academic backgrounds straddling various disciplines. Our Department has some of the best teachers and the faculty members are engaged in frontline areas of research across Control Engineering, Machine Learning, Instrumentation and Bio-medical. We also undertake research in socially relevant areas connected to national development and contribute to the problem solving of issues arising from Instrumentation & Control Engineering. Our faculty members regularly publish their research findings in top-tier peer reviewed journals. The faculty members have also secured extramural research projects which are used in developing state-of-the art laboratory facilities and training young research scholars. Our

faculty members are recognized world leaders in their fields who widely collaborate with International experts. Our teachers are regularly invited to share their research findings through delivering keynote and plenary lectures at National and International Institutions.

### **Publications**

Ahmaduddin, S. S., & Malik, H. (2018). Gene expression programming (GEP) based intelligent model for high performance concrete comprehensive strength analysis. *Journal of Intelligent & Fuzzy Systems*, [accepted].

Arif, M. S. B., Shahid, A., Wahab, M., Rafiuddin, N., & Malik, H. (2018). Decrypting wrist movement from MEG signal using svm classifier. *Journal of Intelligent & Fuzzy Systems*, [accepted].

Dass, A., Srivastava, S., & Gupta, M. (2018). Identification of dynamic systems using intelligent water drop algorithm. Accepted in International conference *SIGMA 2018*, NSIT, Delhi.

Goyal, P., Malik, H., & Sharma, R. (2017). Application of evolutionary-reinforcement learning (ERL) approach in control domain- A review. Accepted *ICSICCS-2017*, Moga, Punjab, India.

Gupta, S., Srivastava, S., & Varshney, P. (2017). Fractional order chaotic systems: A survey. In *Computing, Communication and Automation (ICCCA)*, 2017 International Conference, (pp. 1109-1113). IEEE.

Gupta, S., Upadhyaya, V., Singh, A., Varshney, P., & Srivastava, S. (2018). Modeling of fractional order chaotic systems using artificial bee colony optimization and ant colony optimization. Accepted in IOS Press, *SIGMA 2018*, NSIT, Delhi.

Jha, S. K. (2018). Challenges and impediments in engineering education: remedies. *Journal of Engineering Education Transformation*, [Special Issue].

Kler, D., Rana, K. P. S., & Kumar, V. (2018). A nonlinear PID controller based novel maximum power point tracker for PV systems. *Journal of the Franklin Institute*, [accepted].

Kler, D., Sharma, P., Banerjee, A., Rana, K. P. S., & Kumar, V. (2017). PV cell and module efficient parameters estimation using evaporation rate based water cycle algorithm. *Swarm and Evolutionary Computation*, 35, 93-110.

Kukker, A. & Sharma, R. (2018). Neural reinforcement learning classifier for elbow, finger and hand movements. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Self-Recurrent wavelet neural network based identification and adaptive predictive control of non-linear dynamical systems. *International Journal of Adaptive control and Signal Processing*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Comparative study of neural networks for dynamic nonlinear systems identification. *Soft Computing*, [accepted].

Kumar, R., Srivastava, S., Gupta, J. R. P., & Mohindru, A. (2018). Diagonal recurrent neural network based identification of nonlinear dynamical systems with Lyapunov stability based adaptive learning rates. *Neurocomputing*, [accepted].

Kumar, R., Srivastava, S., & Gupta, J. R. P. (2017). Diagonal recurrent neural network based adaptive control of nonlinear dynamical systems using Lyapunov stability criterion. *ISA Transactions*, 67, 407-427.

Kumar, R., Srivastava, S., & Gupta, J. R. P. (2018). Comparative study of neural networks for control of nonlinear dynamical systems with lyapunov stability-based adaptive learning rates. *Arabian Journal for Science and Engineering*, 1-23, [accepted].

Kumar, A., & Sharma, R. (2017). A nature inspired PID like fuzzy knowledge based fractional order controller. *RAACE*, Jaipur, 23-25<sup>th</sup> November, 2017.

Kumar, A., & Sharma, R. (2017). Neural/Fuzzy self learning lyapunov control for non linear systems. *International Journal of Information Technology*, Singapore: Springer, December 2017.

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- Kumar, J., Kumar, V., & Rana, K. P. S. (2018). A fractional order fuzzy PD+I controller for three link electrically driven rigid robotic manipulator system. *Journal of Intelligent and Fuzzy Systems*, [accepted].
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- Kumar, S., Rana, K. P. S., & Kumar, V. (2017). Analysis and design of a converter based on non-cascading structure. *Turkish Journal of Electrical Engineering & Computer Sciences*, [accepted].
- Kumar, B., Jha, S. K., & Kumar, T. (2018). Review of maximum power point tracking techniques for photovoltaic arrays working under uniform/non-uniform insolation level. *International Journal of Renewable Energy Technology*, [accepted].
- Kumar, B., & Goyal, T. (2018). Investigations on flux estimation methods for stator current based MRAS speed estimator for induction motor drive. *IEEE International Conference Engineer Infinite*, [accepted].
- Kumar, T., Kumar, B., & Jha, S. K. (2017). MATLAB/Simulink model to study solar cell characteristics under partial shading. In *Proceedings IEEE International Conference on Electronics, Communication and Aerospace Technology*, 642-646.
- Mahto, T., Malik, H., & Arif, M. S. B. (2018). Load frequency control of a solar-diesel based isolated hybrid power system by fractional order control using particle swarm optimization. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Malik, H., & Sharma, R. (2017). Transmission line fault classification using modified fuzzy Q learning. *IET Generation, Transmission & Distribution*, [accepted].
- Malik, H., Shah, A. K., & Yadav, A. (2018). EMD and ANN based intelligent model for bearing fault diagnosis. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Malik, H., & Mishra, S. (2018). Artificial neural network and empirical mode decomposition based imbalance fault diagnosis of wind turbine using turbsim. Fast and simulink. *IET Renewable Power Generation*, 11(6), 889-902.
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- Malik, H., & Sharma, R. (2017). Transmission line fault classification using modified fuzzy Q learning. *IET Generation, Transmission & Distribution*, 11(16), 4041-4050.
- Malik, H., & Mishra, S. (2017). Selection of most relevant input parameters using principle component analysis for extreme learning machine based power transformer fault diagnosis model. *International Journal of Electric Power Components and Systems*, 45(12), 1-13.
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- Malik, H., & Mishra, S. (2017). Wavelet and hilbert huang transform based wind turbine imbalance fault classification model using K-nearest neighbor algorithm. *International Journal of Renewable Energy Technology*, [accepted].
- Mishra, P., Kumar, V., & Rana, K. P. S. (2018). An efficient method for parameter estimation of a nonlinear system using backtracking search algorithm. *Engineering Science and Technology*, Doi.org/10.1016/j.jestch.2018.03.009.
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- Nandan Km. Navin, Sharma, R., & Malik, H. (2018). Solving nonconvex economic thermal power dispatch problem with multiple fuel system and valve point loading effect using fuzzy reinforcement learning. *Journal of Intelligent and Fuzzy Systems*, [accepted].

- Navin, N. K., & Sharma, R. (2017). A fuzzy reinforcement learning approach to thermal unit commitment problem. *Neural Computing and Applications*, [accepted].
- Nithilasaravanan, K., Thakwani, N., Mishra, P., Kumar, V., & Rana, K. P. S. (2018). Efficient control of integrated power system using self tuned fractional order fuzzy PID controller. *Neural Computing and Applications*, [accepted].
- Pandey, S., & Jha, S. K. (2018). Some studies on heuristic implications of robust control theory. *Journal of Advanced Research in Electrical and Electronic Engineering*, 5(1), 22-26.
- Parashar, A., Malik, H., & Sharma, R. (2018). Feature extraction using EMD and classifier through artificial neural networks for fault diagnosis of wind turbine gearbox. Accepted at *SIGMA 2018*, NSIT, New Delhi, India.
- Parul, Malik, H., & Sharma, R. (2017). Wind speed forecasting model for northern-western region of India using decision tree and multi layer perceptron neural network approach. *International Journal of Renewable Energy Technology*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2018). Enhancing linearity of voltage controlled oscillator thermistor signal conditioning circuit using linear search. *Journal of The Institution of Engineers (India): Series B*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2018). Development of an intelligent temperature transducer. *IEEE Sensors Journal*, [accepted].
- Prasad, T., Rana, K. P. S., & Kumar, V. (2017). Comments on design and modeling of an intelligent temperature to frequency converter. *Measurement*, 102, 138-141.
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- Rana, K. P. S., Kumar, V., & Mendiratta, J. (2017). An educational laboratory virtual instrumentation suite assisted experiment for studying fundamentals of series resistance-inductance-capacitance circuit. *European Journal of Engineering Education*, [accepted].
- Rathore, N. S., Singh, V. P., & Kumar, B. (2018). Controller design for Doha water treatment plant using grey wolf optimization. *Journal of Intelligent & Fuzzy Systems*, [accepted].
- Ray, N., Madan, M., Kumar, B., & Jha, S. K. (2017). Fuzzy logic based MRAS speed estimator with rotor resistance adaptation mechanism for induction motor drive. *International Journal of Computational Intelligence Research*, 13(8), 1953-1962.
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- Rohilla, P., Kumar, V., & Hakkak, F. A. (2017). Fuzzy I+PD controller for stiction compensation in pneumatic control valve. *International Journal of Applied Engineering Research*, 12(13), 3566-3575.
- Rohilla, P., Kumar, V., & Hakkak, F. A. (2018). Fuzzy gain scheduling of an I-P-D controller for oscillation compensation in a sticky pneumatic control valve. *International Journal of Mechanical Engineering and Robotics Research*, 7(3), 240-249.
- Sharma, R., & Kukker, A. (2017). Neural reinforcement learning based identifier for typing keys using forearm EMG signals. Accepted 9<sup>th</sup> *International Conference on Signal Processing Systems (ICSPS 2017)*, AUT University, Auckland, New Zealand during November 27-30, 2017.
- Singh, K. V., Malik, H., & Sharma, R. (2017). Condition monitoring of wind turbine gearbox using electrical signatures. Accepted at *IEEE ICMDCS 2017*.
- Singh, K. K., Singh, S. P., & Kumar, B. (2018). Performance evaluation of brushless DC motor drive supplied from hybrid sources. *International Conference Signals, Machines and Automation*, [accepted].
- Singh, S. P., Gautam, A. K., Tripathi, S. P., & Kumar, B. (2017). Performance comparison of MPPT techniques using cuk converter for photovoltaic energy conversion system. *3rd International Conference on Computational Intelligence & Communication Technology (CICT)*, 1-6.
- Srivastava, S., Aiswarya PG, Gupta, M., Prasannakumar, N., Rudola, A., Mallick, A., & Srivastava, S. (2018). A comparative study of PID and neuro-fuzzy based control schemes for a 6-DoF Robotic Arm. *Journal of Intelligent and Fuzzy Systems*, [accepted].
- Sukhija, A., & Jha, S. K. (2018). Mixed methods for reduced order modelling of linear interval system. *Journal of Advanced Research in Electrical and Electronic Engineering*, 5(1), 1-7.
- Tiwari, R., Saxena, M. K., Mehendiratta, P., Vatsa, K., Srivastava, S., & Gera, R. (2018). Market segmentation using supervised and unsupervised learning techniques for e-commerce applications. *Journal of Intelligent and Fuzzy Systems*, [accepted].

Tiwari, A., Kumar, B., & Chauhan, Y. K. (2017). ANN based speed estimation of induction motor drive at low speed. In Proceedings IEEE International Conference on *Electronics, Communication and Aerospace Technology*, 176-179.

Upadhyaya, V., Singh, A., Pandey, P., Kumar, A., & Sharma, R. (2017). Genetic algorithm based optimization of ant colony controller for fractional order systems. *International conference on computational intelligence: Theories, applications, and future directions (ICCI-2017)*, Indian Institute of Technology Kanpur, India, December 6th - 8th, 2017.

Verma, P., Gupta, P., & Kumar, B. (2017). Graphical user interface (GUI) to study DC motor dynamics. In Proceedings IEEE International Conference on *Electronics, Communication and Aerospace Technology*, 649-654.

Yadav, A. K., Sharma, V., Malik, H., & Chandel, S. S. (2017). Daily array yield prediction of grid-interactive photovoltaic plant using relief attribute evaluator based radial basis function neural network. *Renewable and Sustainable Energy Reviews*, 81(Part 2), 2115-2127.

### **Conferences Organised**

One International conference organised during the year named “Signal Machine and Automation”, held during February 23-25, 2018 at NSIT Campus. Conference funded by Maruti Suzuki, GAIL India, DRDO, JIO, Bank of Baroda etc.

### **Seminar/Conferences Presentations**

Smriti Srivastava (2018). Identification of dynamic Systems using Intelligent Water Drop algorithm. Published in International Conference Signal Machine and Automation (SIGMA-2018), February 23-25, 2018, Netaji subhas institute of technology, New Delhi.

Kumar Sunil, Rajesh Kataria, K. P. S. Rana and Vineet Kumar (2017). A bi-quadratic converter based on non-cascading structure. Accepted for publication in the proceedings of IEEE Conference on Nanotechnology for Instrumentation and Measurement Workshop (III International Conference), November 16-17, 2017, Gautam Buddha University, Greater Noida, India

Sachin Sharma, Vineet Kumar, K. P. S. Rana (2017). Valve Stiction Modeling Using Neural Network. Accepted for publication in the proceedings of International Conference on Emerging Trends in Computing and Communication Technologies (GEHU-2017), 17-18th November, 2017, Graphic Era Hill University, Dehradun, Uttarakhand, India.

Puneet Mishra, Vineet Kumar, K. P. S. Rana (2017). A Comparative Study for Flow Control using SCIC and NPIC Controllers. Accepted for the proceedings of 8<sup>th</sup> International Conference on Computing, Communication and Networking Technologies (ICCCNT-17), July 3-5, 2017, IIT, Delhi, India.

Tarun Kumar, Bhavnes Kumar and S. K. Jha (2017). Matlab/Simulink Model to Study Solar Cell Characteristics Under Partial Shading. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

S. K. Jha and Aditya Kumar Sharma (2017). Heuristic Investigation on Two Step Model Order Reduction Technique. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

S. K. Jha, A. K. Yadav and P. Gaur (2017). Power Management for Electric Vehicle with PID and Fuzzy Logic Controllers. IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), held from 20-22 April 2017, at RVS Technical Campus, Coimbatore, Tamilnadu, India.

### **No. of M.Phil/Ph.D. Degrees Awarded**

Ph.D.: 3

### **Faculty Strength**

Permanent: 19

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## MANAGEMENT, DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

### Major Activities and Achievements

Management Division faculty members are involved in teaching management subjects of the institute.

### Publications

Deshwal, P., Trivedi, A., & Himanshi, H. L. N. (2017). Online learning experience scale validation and its impact on learners' satisfaction. *Procedia Computer Science*, 112, 2455-2462.

Pandey, S., & Deshwal, P. (2018). The influence of medical course experience on satisfaction, loyalty, and word-of-mouth in Indian medical colleges. *Procedia Computer Science*, 132, 84-91.

Saini, A., Chandok, S., & Deshwal, P. (2017). Advancement of traffic management system using *RFID*. In *Intelligent Computing and Control Systems (ICICCS)*, International Conference (pp. 1254-1260). IEEE.

Trivedi, A., Deshwal, P., Soni, U., & Mani, N. (2018). Demographic variables and online customer experience of educational websites users. *Procedia Computer Science*, 132, 965-970.

### Seminar/Conference Presentations

Deshwal, P., Trivedi, A., & Himanshi, H. L. N. (2017). Online Learning Experience Scale Validation and Its Impact on Learners' Satisfaction. *Procedia Computer Science*, 112, 2455-2462.

Trivedi, A., Deshwal, P., Soni, U., & Mani, N. (2018). Demographic variables and Online Customer Experience of Educational Websites users. *Procedia Computer Science*, 132, 965-970.

Pandey, S., & Deshwal, P. (2018). The Influence of Medical Course Experience on Satisfaction, Loyalty, and Word-Of-Mouth in Indian Medical Colleges. *Procedia Computer Science*, 132, 84-91.

Saini, A., Chandok, S., & Deshwal, P. (2017, June). Advancement of traffic management system using *RFID*. In *Intelligent Computing and Control Systems (ICICCS)*, 2017 International Conference on (pp. 1254-1260). IEEE.

### Faculty Strength

Three (3)

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## MANUFACTURING PROCESSES & AUTOMATION ENGINEERING

### Major Activities & Achievements

The department offers two B.E. programs - one in Manufacturing Processes & Automation Engineering (MPAE) and the other is Mechanical Engineering (M.E.) with an intake of 120 and 60 students, respectively. It also offers M.Tech. program in Production Engineering (PE) and Engineering Management (EM). In addition, it offers Ph.D. program in allied areas of MPAE/ME. Beside the conventional labs like Material testing, Welding, Metrology and well equipped Workshop, the department has laboratories related to Advance Welding, Mechanical Sciences, Computer Integrated Manufacturing, Robotics & Artificial Intelligence etc. with facilities like EDM, CNC, FMS, UTM, FDM, Robotics, ECM, SAW, Central Lathe, Shapers, UMM, VMM, Muffle and Controlled Atmosphere furnaces.

### Honours/Distinctions

Best Professor Award in operations & Manufacturing by Dewang Mehta National Education Awards to Dr. Vijyant Agarwal.

### Publications

Bajpai, P. K., Ram, K., Gahlot, L. K., & Jha, V. K. (2018). Fabrication of Glass/Jute/Epoxy composite based industrial safety helmet. *Materials Today Proceeding*, 5(2), 8699-8706.

Bansal, P., Jain, A., & Khanna, P. (2018). Development of a reciprocatory tube-funnel feeder and graphical analysis of its performance. *Journal of Research in Mechanical Engineering and Applied Mechanics*, 3(1), 1-7.



- Chaudhary, V., Bajpai, P. K., & Maheshwari, S. (2018). An investigation on wear and dynamic mechanical behavior of Jute/Hemp/Flax reinforced composites and its hybrids for tribological applications. *Fibers and Polymers*, 19(2), 403-415.
- Chaudhary, V., Bajpai, P. K., & Maheshwari, S. (2018). Effect of moisture absorption on the mechanical performance of natural fiber reinforced woven hybrid bio-composites. *Journal of Natural Fibers*, Doi.org/10.1080/15440478.2018.1469451.
- Choudhary, S., Nayak, S. K., Malik, A., & Singh, D. K. (2018). Important issues in supply chain management and development. *International Journal of Recent Research Aspects*, 5(1), 45-54.
- Choudhary, S., Jacob, A., Trivedi, A., & Singh, D. K. (2017). Impact of demonetization on Indian economy. *Indian Journal of Economics and Development*, 5(4), 1-7.
- Chaudhary, V., Bajpai, P. K., Maheshwari, S. (2017). Studies on mechanical and morphological characterization of developed jute/hemp/flax reinforced hybrid composites for structural applications. *Journal of Natural Fibers*, 1-18.
- Dwivedi, P., Singh, D. K., & Chamoli, P. (2018). Application of AHP and PAM in green manufacturing. *Journal of Material Science and Mechanical Engineering*, 5(1), 23-26.
- Gangil, N., Siddiquee, A. N., & Maheshwari, S. (2017). Aluminium based in-situ composite fabrication through friction stir processing: A review. *Journal of Alloys and Compounds*, 715, 91-104.
- Goyal, V. Kandhari, R., Garg, U. & Khanna, P. (2017). Graphical analysis of performance of magnetic disc feeder. *International Journal of Advances in Electronics and Computer Science*, 4(5), 31-33.
- Joshi, H., & Singh, D. K. (2018). Optimal transportation cost using genetic algorithm. *Journal of Aeronautical and Automotive Engineering*, 5(1), 17-19.
- Kapoor, M., Allabadi, T., Singhal, U., & Khanna, P. (2017). Graphical analysis of bottle caps feeding in a vibratory bowl feeder. *International Journal of Innovative Science Engineering and Technology*, 4(12), 118-122.
- Kataria, A., & Singh, D. K. (2018). Analysis of supply chain challenges using interpretive structural model. *Advances in Economics and Business Management*, 5(2), 105-109.
- Khanna, P., & Maheshwari, S. (2017). Microhardness analysis in MIG welding of stainless steel 409M. *Journal of Production Engineering*, 20(1), 93-96.
- Khanna, P., & Maheshwari, S. (2018). Development of mathematical models for prediction and control of weld bead dimensions in mig welding of stainless steel 409M. *Materials Today: Proceedings*, 5(2), 4478-4488.
- Khanna, P., & Maheshwari, S. (2018). Residual stress analysis in MIG welding of stainless steel 409M. *Materials Today: Proceedings*, 5(2), 4939-4947.
- Kumar, D., Agarwal, D., Maheshwari, G. & Khanna, P. (2017). Development of mechnized feeding system with computational analysis. *International Journal of Research in Engineering and Technology*, 06(10), 126-132.
- Kumar, S., Karthik, D., Bhatia, S. & Khanna, P. (2018). Smart way of garbage monitoring system. *Journal of Electronics and Tele-communications Engineering*, 3(1), 1-9.
- Nagpal, N., Bhushan, B., & Agarwal, V. (2017). Estimation of stochastic environment force for master-slave robotic system. *Sadhana*. Doi: 10.1007/s12046-017-0643-7, 1-11.
- Nagpal, N., Agarwal, V., & Bhushan, B. (2018). Real time state observer based controller for stochastic robotic manipulator. *IEEE Transactions on Industry Applications*, 54(2), 1806-1822.
- Narang, D., Raj, A., & Khanna, P. (2017). Mathematical modelling of a bowl feeder for spherical washers. *Journal of Production Engineering*, 20(2), 93-96.
- Nayak, S. K., & Singh, D. K. (2018). An Approach to Implement Quality Tools in Inventory Management, IOS-Netherlands and Springer, Germany sponsored first International Conference on *Signals, Machines and Automation* (SIGMA 2018) at Netaji Subhas Institute of Technology, New Delhi, 23-25 February, 29.
- Prasad, S., Andirya, N., & Ojha, A. (2018). A review on nuclear radiation. Accidents Proceedings of WRFER International Conference, 15<sup>th</sup> April, 2018, NA 38-40.
- Payal, H., Maheshwari, S., & Bharti, P. S. (2017). Process modeling of electric discharge machining of inconel 825 using artificial neural network. *World Academy of Science, Engineering and Technology*,

*International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 11(3), 551-555.

Raj, A., Narang, D., & Khanna, P. (2017). Graphical analysis of a vibratory bowl feeder for spherical washers. *Journal of Material Science and Mechanical Engineering*, 4(2), 110-113.

Rathee, S., Maheshwari, S., Siddiquee, A. N., & Srivastava, M. (2017). Investigating effects of groove dimensions on microstructure and mechanical properties of AA6063/SiC surface composites produced by friction stir processing. *Journal of Transactions of the Indian Institute of Metals*, 70(3), 809-816.

Rathee, S., Maheshwari, S., Siddiquee, A. N., & Srivastava, M. (2017). Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. *Journal of Materials and Manufacturing Processes*, 1-8.

Rathee, S., Maheshwari, S., & Siddiquee, A. N. (2017). Issues and strategies in composite fabrication via friction stir processing: A review. *Journal of Materials and Manufacturing Processes*, 1-23.

Rathee, S., Maheshwari, S., Siddiquee, A. N., Srivastava, M. (2017). Analysis of microstructural changes in enhancement of surface properties in sheet forming of Al alloys via friction stir processing. *Journal of Materials Today: Proceedings*, 4(2), 452-458.

Rawat, S., Singh, T. K., & Singh, D. K. (2018). Forecasting methods for determining food demand. *Advances in Economics and Business Management*, 5(2), 114-117.

Sharma, S. K., Maheshwari, S. (2017). Arc characterization study for submerged arc welding of HSLA (API X80) steel. *Journal of Mechanical Science and Technology, Korean Society of Mechanical Engineers*, 31(3), 1383-1390.

Singh, N., & Singh, D. K. (2018). A mathematical model-based supplier selection. *Advances in Economics and Business Management*, 5(2), 118-121.

Singh, D. K., & Trivedi, A. (2018). Quality management in educational institutions. *International Journal of Recent Research Aspects*, 5(1), 40-44.

Singla, R., Parthasarathy, H., & Agarwal, V. (2017). Classical robots perturbed by Levy processes: analysis and Levy disturbance rejection method. Doi: 10.1007/s11071-017-3471-8.

Srivastava, M., Maheshwari, S., Kundra, T. K., & Rathee, S. (2017). Multi-response optimization of fused deposition modelling process parameters of ABS using response surface Methodology (RSM)-Based desirability analysis. *Journal Materials Today: Proceedings*, 4(2), 1972-1977.

Suman, S. K., Chauhan, S., & Singh, D. K. (2018). A mathematical model to optimize cost in reverse logistics. *Advances in Economics and Business Management*, 5(2), 110-113.

### **Seminar/Conference Presentations**

Furkan Ahmad, Pramendra Kumar Bajpai, Tensile strength comparison of carbon/epoxy and glass/epoxy laminates: A finite element study, International Conference on Advances and Soft Computing Applications in Design and Manufacturing (ASCADM-2018), 04-06 June 2018, NIT Patna.

Khushi Ram, Pramendra Kumar Bajpai, Effect of Processing and Type of Mechanical Loading on Performance of Bio-Fibers and Bio-Composites, , International Conference on Advances and Soft Computing Applications in Design and Manufacturing(ASCADM-2018), 04-06 June 2018, NIT Patna.

### **Faculty Strength**

Professor: 03

Associate Professor: 06

Assistant Professor: 07

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## COLLEGES

### ACHARYA NARENDRA DEV COLLEGE

#### Major Activities and Achievements

The college has been accredited with Grade 'A' and a score of 3.31 by NAAC and proud recipient of 'Star College Grant' from Department of Biotechnology, Government of India with seven science departments of the college getting the coveted recognition. The college has been awarded with an 'Incubation Centre' for the period of three years by Department of Training and Technical Education, Government of NCT of Delhi with a grant of Rs. 1.5 crores per year. Under this program, three start-ups have already been incubated. The college has been empanelled as a Project Institute of Higher Education, Government Category. Several students of the college have attained academic excellence (details of which are under students achievements section) Three students have submitted their Ph. D. thesis under the direct supervision of faculty members of the college and also three faculty members have submitted/awarded with Ph.D. degree. International Quality Assurance Cell (IQAC) has started a job-oriented skill development course entitled 'Quality Control (QC) Chemist' of NAQF level 5. 3

#### Honours /Distinctions

Dr. Savithri Singh (Principal):

- Awarded Exceptional Women of Excellence by Women Economic Forum (WEF).
- Invited to participate in Mobile Learning Week in a UNESCO flagship ICT in Education Conference in the month of March 2018. She contributed towards the Ljubljana OER action plan and the draft OER recommendation.
- Member of DST selection committee constituted for the 'National award for Women Development through application of science and technology' for individuals and institutions.
- Invited under the Indo-Slovenia Project to deliver a talk on 'Exposure response assessment of Ambient Air Pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study'.
- Invited for the talk on 'Digital Licensing: Issues and Challenges' during one day seminar on "Digital Licensing: Smart Decisions for Smart Libraries" organized by National Law University as a Vice-Chancellor Nominee.
- Co-chaired a committee constituted by University of Delhi to develop and to implement an efficient system to record and monitor attendance of students in colleges and departments of University of Delhi.
- Invited to participate in Internet Universality Indicators for Safe, Secure and Inclusive Cyberspace for Sustainable Development, event organized by UNESCO, New Delhi in collaboration with the Ministry of Electronics and IT, Government of India in the run-up to the Global Conference on Cyberspace.

Dr. Urmi Bajpai awarded with the prestigious 'Excellence Award for Teaching in Service in College' by University of Delhi and was appointed as Deputy Dean (Research) at the research Council of DU.

Dr. Mamta Bhatia awarded with Fulbright-Nehru Academic and Professional Excellence Fellowship. Shw was involved in teaching Physics at Miami Dade College, USA for 4 months as apart of her responsibility.

Dr. Seema Gupta awarded with Meritorious Teacher's Award 2017 by Directorate of Higher Education, Government of NCT of Delhi.

Dr. Gagan Dhawan successfully completed one year UGC-Raman Post-Doctoral Fellowship at Centre for Green Chemistry, University of Massachusetts, Boston, USA.

Dr. Geetu Gambhir and Dr. Sunita Hooda received a first prize and a trophy for the best poster presentation on "Remediation of Heavy Metal ion Toxicity from Waste Water Using Functionalized Chitin" in an International Conference organized by Public Health Foundation of India and Pacific Basin Consortium, IHC, New Delhi.

Dr. Vandana Uberoi was invited to attend a Research and Innovation Seminar with an objective to showcase Scotland's collective research expertise and to seek collaboration and partnership with Indian Research Institutes specially focusing on Undergraduate science students by British Council.

Dr. Sarita Kumar awarded with the best poster entitled 'Impact of acetamiprid on the survival, morphology and development of *Aedes aegypti* L. (Diptera: Culicidae)' during the Annual Convention, "Biochemistry and Molecular Biology: From Niche to Nation" at 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City Philippines in November 2017.

Dr Arijit Chowdhuri tutorial Co-chaired 6<sup>th</sup> International Symposium on Integrated Functionalities (ISIF - 2017), New Delhi, December 10-13, 2017.

Dr Amit Garg won the second prize for the project 'Brain Controlled Wheelchair' in the Project Category at National Science Day Celebrations, INSA, New Delhi on 28 February 2018.

### Students with distinctions

Ms. Ayushi Raturi of B. Sc. (Hons) Zoology I year secured II position in the University.

Ms. Ayushi Raturi of B. Sc. (Hons) Zoology II year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Mr. Mayank Shukla of B. Sc. (Hons) Physics III year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Ms. Harleen Kaur of B. Sc. (Hons) Zoology III year awarded with a Science Meritorious Award of Rs 3000/- from Faculty of Science, University of Delhi.

Ms. Monal of B. Sc. Physical Sciences II year was awarded with a Rs 10,000/- for being the meritorious student of the academic session 2016-17 studying in Government funded colleges.

### Publications (Selected)

Das, P., Kumar, P., Kumar M., Solanki, R., Kapur, M. K. (2017). Purification and molecular characterization of chitinases from soil actinomycetes. *African Journal of Microbiology Research*. 11(27), 1086-1102.

Eniyan, K., Dharavath, S., Vijayan, R., Bajpai, U., Gourinath, S. (2018). Crystal structure of UDP-N-acetylglucosamine-enolpyruvate reductase (MurB) from *Mycobacterium tuberculosis*. *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics*. 1866(3), 397-406.

Garg, M.K., Venkataramiah, G. (2016). Portrayal of Double Standards in Salma's narrative- The Hour Past Midnight. *International Journal of English Language Literature and Humanities*, 4 (11), 2321-7065.

Gupta, C. K., Chowdhuri, A. (2017) Virtual Learning Environment (VLE)- A platform to enhance quality education. *International Journal on Education Growth and Research*, 2(1).

Gupta, R., Abraham, J. S., Somasundaram, S., Toteja, R., Makhija, S., El-Serehy, H. A. (2017). Taxonomic and Morphogenetic Description of the Freshwater Ciliate *Aponotohymena isoaustralis* n. sp. (Ciliophora; Oxytrichidae) Isolated from Sanjay Lake, Delhi, India. *Acta Protozoologica*. 56(2), 93-107.

Sharma, A., Kumar, S., Tripathi, P. (2017). A facile and rapid method for green synthesis of *Achyranthes aspera* stem extract-mediated silver nanocomposites with cidal potential against *Aedes aegypti* L. *Saudi Journal of Biological Sciences* (article in press)

Sharma, S. V., Hooda, S. (2017). An analysis upon various strategies for redesign and direct evolution of enzyme engineering. *Journal of Advances in Science and Technology* 13, 144-150.

Singh, C., Singh, S. R. (2017). Supply chain model with two storage facility for stock dependent demand incorporating learning and inflationary effect under crisp and fuzzy environment. *International Journal of Fuzzy System Applications*, 6(2), 82-109.

Warren, A., Patterson, D. J., Dunthorn, M., Clamp, J. C., Achilles-Day, U. E. M., Aesch, E., Al-Farraj, S. A., Al-Quraishy, S. Fan, Y., Gao, F., Gao, S., Gong, J., Gupta, R., Hu, X., Kamra, K., Langlois, J., Lin, X., Lipscomb, D., Lobban, C. S., Luporini, P., Lynn, D. H., Ma, H., Macek, M., Mackenzie-Dodds, J., Makhija, S., Mansergh, I., Martín-Cereceda, M., McMiller, M., Montagnes, D., Nikolaeva, S., Ong'ondo, G.O., Pérez-Uz, B., Purushothaman, J., Shi, P., Song, W., Stoeck, T., Terza, A. L., Vallesi, A., Wang, M., Weisse, T., Wiackowski, K., Wu, L., Xu, K., Yi, Z., Zufall, R., Agatha, S. (2017). Beyond the "Code": a guide to the description and documentation of biodiversity in ciliated protists (Alveolata, Ciliophora). *Journal of Eukaryotic Microbiology*. 64(4), 539-554.

Zhang, W., Dhawan G. (2017). A brief overview of chemical and biological synthesis of vanillin flavour. *Journal of Shanghai Institute of Technology (Natural science)*. 17(2), 102-111.

## Research Projects

Dr. Arijit Chowdhuri, Dr. Charu Khosla, Dr. Savitri Singh project funded by DST (Indo-Slovenia joint project) entitled Exposure-Response assessment of Ambient Air Pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study during 2015-18 for Rs. 16.11 lakhs

**Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 8**

## Seminars organized

Seminar, 'Wonders of Pollination at Work' delivered by Professor Rajesh Tandon, Department of Botany, University of Delhi on 26 September 2017.

Seminar, 'Biodiversity and the Need for its Conservation' delivered by Dr. Rita Singh, University School of Environment Management, GGSIPU on 2 November 2017.

Seminar, 'Environment, Ecology, Ecosystem and Ecological Restoration' delivered by Professor C. R. Babu, University of Delhi on 18 January 2018.

Seminar, 'Ethical Hacking' delivered by Dr A.K. Mohapatra Associate Professor, Indira Gandhi Delhi Technical University for Women (IGDTUW) on 15 September 2017.

Seminar, 'Applications of Biomedical "Imaging in Drug Discovery and Treatment Monitoring' by Dr Soumya Mitra, Senior Scientist II, Abbvie Bioresearch Center, Worcester, MA, USA and former faculty at University of Rochester, Rochester, NY USA on 26 September 2017.

## Conferences/ Workshops Organised

Symposium entitled 'Safety Measures and Laboratory Ethics' under the aegis of Star College Scheme organized during 21 and 22 February 2018.

Research Based Pedagogical Tools (RBPT) based workshop on 'Microbial techniques for college students' during 10 and 11 January 2018.

Workshop entitled 'Systematic Use of Digital Information in Academic Activities' under the aegis of Star College Scheme organized on 10 November 2017.

Workshop entitled 'Discovery of Mycobacteriophages from environmental samples' organized from 21 to 23 June 2017.

National Conference and Workshop entitled 'Trends and scope of Forensic Science' during 11 and 12 April 2017.

## Seminars/Conference Presentations: 17 International and 15 National presentations (Selected)

Gagan Dhawan presented a paper entitled, 'Novel synthetic strategy for metal-free di-/tri-fluoromethylthiolation and per-fluoroalkylthiolation reactions' at the International Symposia on Fluorous Technologies (iSOFT Boston 2017) held at Boston, USA in 2017.

Arijit Chowdhuri and Charu K Gupta presented a paper entitled, 'Measuring ambient air pollution using data envelope analysis with principal components: an exposure – response assessment' at the 3<sup>rd</sup> International Conference on Environmental Science and Technology (ICOEST - 2017) held at Budapest, Hungary in 2017.

Manoj Kumar Garg presented a paper entitled, 'Subjugation of Dalit Women in Baby Kamble's The Prisons We Broke' at the 4th JGU International Literary Conference. O P Jindal Global University held at Sonapat, Haryana, India in 2018.

Urmi Bajpai presented a paper entitled, '*In silico* characterization of endolysins purified from a mycobacteriophage isolated from New Delhi and investigation of their bacteriolytic activity' at the International Conference on Bacteriophages in River Ganga, held at BHU, Varanasi, India in 2017.

Vandana Uberoi presented a paper entitled, 'Waste water treatment using Bioremediation Techniques' at the International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow held at the University of Delhi. Delhi, India in 2017.

Geetu Gambhir presented a paper entitled, 'Remediation of heavy metal ion toxicity from waste water using functionalized chitin' at the International Conference of the Public Health Foundation of India and Pacific Basin Consortium, Environmental Health and Sustainable Development held at New Delhi, India in 2017.

Amit Garg and Arijit Chowdhuri presented a paper entitled, 'Effect of Concentration Variation in Graphene Oxide (GO) Membranes for Water Flux Optimization' at the 2<sup>nd</sup> International Conference on Condensed

Matter & Applied Physics (ICC 2017) held at Department of Physics, Govt. Engineering College, Bikaner in 2017.

Seema Makhija and Ravi Toteja presented a paper entitled, 'Use of ciliates in bio-monitoring heavy metal pollution' at the Indian Network for Soil Contamination Research International Conference held at Department of Zoology, University of Delhi, Delhi, India in 2017.

Sunita Hooda presented a paper entitled, 'Fast and selective detection of  $\text{Cu}^{2+}$  and  $\text{Fe}^{3+}$  ions by 4-susstituted 2-Aminothiazole in aqueous medium' at the International Conference on Emerging Trends in Drugs Development and Natural Products held at Department of Chemistry, University of Delhi, Delhi, India in 2018.

Pankaj Khanna presented a paper entitled, 'Designing a Virtual Chemistry Lab for Undergraduate Student's at the 3<sup>rd</sup> India International Science Festival under SYPOG-Young Scientist's Conclave held at Anna University, Chennai, India in 2017.

#### **National/International (MoUs) Signed:**

MoU signed between Acharya Narendra Dev College (ANDC) and Translational Health Science and Technology Institute (THSTI), Faridabad for Science Setu programme. The programme has been initiated to bridge the gap between classroom science teaching and research. As a part of this MoU, scientists from THSTI will actively share their research interests with undergraduate students and will provide opportunities to students to work on short-term projects at THSTI under their guidance.

College has accepted annual membership of ICT Academy (an initiative of the Government of India which has collaboration with the state Governments and Industries). ICT Academy is a not-for-profit society and first of its kind as a pioneer venture under the Public-Private-Partnership (PPP) model that endeavours to train the higher education teachers and students. This would help train our next generation teachers and produce industry ready students.

#### **Placement Details**

Number and Percentage of Students Placed: 44 (55% of students appeared)

Number of Companies/Industries visited for Campus Recruitment: 08

#### **Extension and Outreach Activities**

NSS team organized several cleanliness drives inside and outside the college campus under *Swachch Bharat Abhiyaan*. Eco Club of the College initiated a drive 'Stop the use of thermocol disposables' in the college canteen and other kiosks in the college premises. Students participated in the 'CMS *Vatavaran* Environment and Wildlife International Film Festival and Forum 2017' held at GSDS, Rajghat, New Delhi during 2 to 6 November 2017. College emerged as the winner in the exhibition on sustainable development using waste material and handmade products. College in coordination with Delhi State Legal Services Authority, South-East District initiated an add-on course entitled 'Legal Awareness' for college students during the month of January 2018.

Self defense training programme was organized in collaboration with Delhi Police from 19 to 24 February 2018.

#### **Library Development**

The Radio Frequency Identification (RFID) based Library Management System continues to facilitate faster transactions for the library. Self- checkout service and external book return/ book drop stations are great ways to avoid queues at the circulation/reserves desk during peak periods. An annual Book Exhibition was organized on 7 and 8 September 2017 for the faculty and students. More than 800 books and 2 journals were added to the library this year. The total numbers of books, journals and magazines in the library have now reached 30023, 18 and 10, respectively.

#### **Faculty Strength**

Number of permanent faculty : 73

Number of Temporary faculty: 02

Number of Ad-hoc faculty: 52

#### **Financial Allocation and Utilisation**

Grant Sanctioned: Rs. 25,90,00,000/-

Grant Utilised: Rs. 24,02,47,310/-

### Other Significant Information

College has instituted a service award 'निष्ठा :Service Award' to recognize the staff for completing twenty five years of regular service and the Principal for completing ten years at Acharya Narendra Dev College. College was awarded 'World Ecology, Environment and Development (WEED) Award' at the 6<sup>th</sup> World Environment Congress for outstanding contribution towards environment conservation by International Association of Educators for World Peace. College received a certificate of appreciation for protecting trees and Mother Earth by recycling paper using expertise of 'Green Globecare'. College offers 'ELITE Scheme' (Education in a Lively Innovative Training Environment) under which the students undertake short-term research projects during their summer vacations. College provides them with a fellowship of Rs. 1,000/- per month.

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## ADITI MAHAVIDYALAYA

### Major Activities and Achievements

The college was awarded 'Girl Centric Tertiary Education and Training Award' during the World Women Summit 2018. In line with 'Ek Bharat Shrestha Bharat' mission of our government, the college organized a north-east cultural festival 'Orunodoi-2017'. An excursion to Sikkim was organized for cultural exchange for which college was felicitated by the Government of Sikkim and a letter of appreciation was awarded by M.H.R.D. Government of India. To achieve holistic development of students (girls), college several workshops and trainings on health and wellness were organized. Medical camp for staff members was also organized in collaboration with B.L.K. Super Specialty Hospital. UGC funded National Conferences were also organized. Contributing to the green initiatives of the college, we have entered into partnership with 'Greenotech' under which waste paper generated in the college is exchanged for usable stationery items.

### Honours/Distinctions

Dr. Mamta Sharma (Principal):

- Recipient of 'Girl Centric Tertiary Education and Training Award' on occasion of Women's Day by Women's Agency for Generating Employment, at I.I.C. Delhi on 8 March 2018
- Honored with 'Alumni Achiever Award' by N.C. Jindal Public School, Delhi on 23 December 2017.
- Recipient of 'Bharat Ratna Dr. A.P.J. Abdul Kalam Gold Medal' for outstanding contribution to research by the Global Economic Progress Research Association on 15 October 2017.

Dr. Neenu Kumar was awarded 'Ecologist and Environment Health Educationist Award' by Nutrition and Natural Health Sciences Association, at the National Health Award Summit--2017, held at India International Centre, Delhi on 27 December 2017.

Dr. Archana Sawshilya accorded by 'Patna Doordarshan' for her Live Telecast for the programme 'Achiever of the State' on 19 June 2017.

Dr. Beena Antony Reji was invited as a chief guest in Tihar Jail No.6 for a program organized by Vidyajyoti College of Theology, Delhi on 5 December 2017.

### Students with Distinction

Ms. Pooja Siwatch of B. El. Ed II year secured I position in the University.

Ms. Monika of B.A. (Hons) Social Work II year secured I position in the University.

Ms. Ojshi Sharma of B. El. Ed I year secured II position in the University.

Ms. Anuradha of B. El. Ed. II year secured a gold medal in Open National Taekwondo Championship

Ms. Shivani Jadaun of B. A. (Pass) I year is the recipient of all-India plate for Girl Guide, representing India and badge from World Association of Girl Guides and Girl Scouts.

## **Publications**

Bajaj, A. (2018). Engendering gender in school curriculum, *Journal of Indian Education*, NCERT Delhi, February. ISSN: 0377-0435.

Gupta, H. (2018). Role of board of Directors in Corporate Governance in Indian Power Sector. *National Journal of Multidisciplinary Research & Development*, 3(1). ISSN 2455-9040.

Gupta, P (2018). Module: *Gender violence and laws for safety and security of girls and women for online course on Gender Issues in Education*, Department of Gender Studies (DWS), NCERT, New Delhi.

Jain, A (2018). Corporate Governance and Mandatory Board Committees: An Empirical Study in Indian Context, *Gurukul International Multidisciplinary Research Journal*, Special Issue. ISSN 2394-8426.

Lamba, R. (2018) Author for practical curriculum for IGNOU advanced diploma in early child development and education

Patra, P (2017). *Module-35: Morphometric Analysis (P-11, Geomorphology)*. <http://epgp.inflibnet.ac.in/ahl.php>.

Sawshilya, A (2017). *Swachh Bharat Abhiyan: Need for a Workable and Effective Model*, *Bihar Journal of Public Administration*, Vol. xiiinxiv, No-1. ISSN 09742735

Sharma, M. (2018). Integrated Assessment of Desertification, Land-use Change and Ecological Degradation – a case study of Rewari Industrial area of Delhi-NCR, *International Journal of Theoretical and Applied Science*, ISSN No- 2249-3247 (Accepted for Publication, January, 2018).

Sharma, M. (2018). *Concepts of Education Management*, India, Anne Books Pvt. Ltd. ISBN No-9789385-462887

Sharma, R. (2018) *Life Style: A key to Healthy Aging*, Germany, Scholar's Press.

## **Number of college teachers serving as Editor(s)/Member(s) of Journals:**

Number of Teachers Serving as Editors: 3

Members of Editorial Board: 2

## **Research Projects**

Dr. Asha, project funded by University Grants Commission and entitled 'Hindi Rangmanch Ke Vikas mein Mahilayon Ka Yogdaan' from 2015-2018 for Rs 11 lakhs

Dr. Bhawana Rajput, project funded by University Grants Commission and entitled 'Interstate variation in Financial Inclusion: The Indian Evidence' from 2015-2018 for Rs 1,08,400/-.

## **Seminars Organised**

Seminar, 'Bharat Chhodo Andolan: Virasat Ek Sameeksha' delivered by Sh. Gopal Rai, Minister, Government of Delhi on 18 August 2017.

Seminar, 'Tally ERP 9' delivered by Dr. Hem Chand Jain, Associate Professor at DDU College, University of Delhi on 19 September 2017.

Seminar, 'Village Tourism in India' delivered by Prof. Kaushal Kumar Sharma, Jawaharlal Nehru University on 9 February 2018

Seminar, 'Geographical Research and Future Earth' delivered by Name of Speaker: Prof. Michael Meadows, General Secretary, International Geographical Union on 9 November 2017.

## **Conferences Organized**

Conference entitled 'Recent Advances in Chemical Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyaan Perspective' was organized on 10 and 11 October 2017 and supported by University Grants Commission.

Conference entitled 'Climate Change and Disaster Risk Reduction in Urban System' was organized on 26 March 2018 and supported by University Grants Commission

## **Seminar/ Conference Presentation**



Punyatoya Patra presented a paper entitled, 'Reorienting Ethics in the Agricultural Practices in Northern Fringe of Delhi- Ecology over Economy' and was awarded with a 1000€ travel bursary from Lapland University at the Colloquium "2<sup>nd</sup> Peaceful Coexistence Colloquium– Reimagining ethics and politics of space for the Anthropocene" organized by University of Lapland, Finland from 6 to 9 June 2017.

Manisha Wadhwa presented a paper entitled, 'Developing Environmental Awareness among Children: Swachh Bharat Mission Perspective' at the UGC sponsored "National Conference in the Area of Recent Advances in Chemical Science" towards the Green and Sustainable Environment: Swachh Bharat Mission perspective of Government of India organized by the college on 11 October 2017.

Nitu Rana Dabas presented a paper entitled, 'Impact of Active and Independent Board on the Performance and Financial Strength of the Life Insurance Companies in India' at the "70<sup>th</sup> All India Commerce Conference of Indian Commerce Association" organized by Faculty of Commerce and Management, IIS University, Jaipur from 12 to 14 October 2017.

Neenu Kumar presented a paper entitled, 'Man's Interaction with Nature—An Ecocritical Study of Margaret Atwood's Oryx and Crake (2003) and The Year of the Flood (2009)' at the "International Conference on Why Ecocriticism?" held at Sikkim Government College, Tadong, Sikkim during 21 to 23 November 2017.

Nalini Singh presented a paper entitled, 'The making of New Delhi, A study of destruction of Pre-colonial settlements and memories, 1860s -1920s' during the "Indian History Congress" held at Jadavpur University, Calcutta from 28 to 30 December 2017.

Ritu Sharma presented a paper entitled, 'Caregiver stress as leading factor for elder abuse in contemporary India: A rising need for home assisted long term care' during the "International Conference on Psychology, Health and Medicine 2018" held at Amity University, Rajasthan from 2 to 4 February 2018.

Beena Antony Reji presented a paper entitled, 'Positive Mental Health and Human Being's Sustainability' at the "XUB Sustainability Summit 2018" organized by Xavier University Bhubaneswar from 9 to 10 February 2018.

Rashmi Gupta presented a paper entitled, 'High Quality Physical Education: The Need of the Hour' at the "4<sup>th</sup> National Conference on Physical Education and Sports Sciences" organized by PEFI at Convention Center, NDMC, Sansad Marg, New Delhi during 9 and 10 February 2018.

Neenu Kumar presented a paper entitled, 'Thoreau's Civil Disobedience and Gandhi's Satyagraha' at the India International Center (IIC) sponsored "International Conference on Thoreau and the Transcendentalists: Their philosophy and Related Concerns" organized jointly by the Bharati College, University of Delhi and IIC from 15 to 17 March 2018.

### **Students Under Exchange Programme**

25 Students visited Sikkim under exchange programme in January 2018.

### **Placement Details**

Number of students placed – 16

### **Extension and Outreach Activities**

Adoption of Shahbad Dairy Village.

### **Library Development**

Four hundred and fifty six new books were introduced and several computers were also installed to help students gain access to invaluable information available over internet. The automation of library is under process.

### **Faculty Strength**

Total number of faculty = 100

### **Financial Allocation and Utilization**

Grant sanctioned - Rs. 13.92 crore

Grant Utilized - Rs. 15.24 crore

### **Other Significant Information**

Dr. Mamta Sharma was invited as a Guest of Honor for the 'Betiyaaan Padao – Shrishti Sajao' award function organized by the Betiyaaan Foundation, Delhi on 18 February 2018. She was also invited as a Guest of Honor and Panelist at 'Indiacom 2018' in the event 'Digital India' organized by Bharti Vidyapeeth Institute of Computer Applications and Management, Delhi on 15 March 2018.

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### **AHILYA BAI COLLEGE OF NURSING**

#### **Major Activities and Achievements during the period.**

Ahilya Bai college of Nursing (ABCON) is affiliated to Lok Nayak Hospital for its clinical training and functions under the direct administrative control of Government of NCT of Delhi. The college is affiliated to many departments of Maulana Azad Medical College for classes of the students as per requirement of the subjects of the course. The current admission strength is 40 students per annum plus supernumerary seats for students from J & K under PMSSS J&K. The ABCON also functions as study centre for post basic B. Sc (Nursing) of IGNOU and at present there are 75 students under training in three years programme. This academic year, students participated in various co-curricular activities, namely World Mental Health Day which was celebrated on 10 October 2017, Breast feeding and self breast examination week starting from 1<sup>st</sup> to 7<sup>th</sup> August 2017.

#### **Honours/Distinctions**

Ms. Shobha Gusain awarded with Ph. D.in Nursing.

#### **Students with distinction**

Students secured I prize at the Swachh Bharat Skit competition held at All India Institute of Medical Sciences on 26 September 2017. Students participated in a painting competition on 'Save the Girl Child' and secured II prize.

#### **Faculty Strength**

Total number of teaching faculty = 16

#### **Placement Details**

Number of students placed in India and abroad – nearly 100%

#### **Extension and Outreach Activities**

Students provided their services in the Perfect Health Mela organized by the Heart Care Foundation of India during 5 to 7 October 2017. The theme of the mela was 'Digital Health'.

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### **AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY**

#### **Major activities and achievements**

Amar Jyoti Institute of Physiotherapy is awarded with centre of excellence for physiotherapy education and skill development at an undergraduate as well as a post graduate level. The Institute offers a Bachelor of Physiotherapy (BPT) and Master of Physiotherapy (MPT) courses in two specialities Musculoskeletal Physiotherapy and Neurological Physiotherapy. The college also manages nine speciality clinics– out patient departments that cater to a broad spectrum of patients from all strata of society. MPT students have presented papers at various national conferences held across the country. Ms.Tanvi Sethi presented a paper and was awarded a third position at the 6th International Conference of Physical Therapy 2017 held at All India Institute of Medical Sciences, New Delhi on 20 December 2017. Ms. Sakshi Shandilya presented a poster and awarded with first position at the 3rd International Physiotherapy conference held at Indraprastha Apollo hospital on 10 September 2017.

### **Honors/ Distinction**

Dr Raju K Parasher invited as an expert and as a member of an External Peer Review Committee to evaluate Sri Ramachandra University of Health Sciences, Porur, Tamil Nadu in order to conduct a UGC review of the Deemed University during 7 to 9 December 2017.

Dr Raju K Parasher nominated as a member of NAAC core committee constituted to develop manual for accreditation of health science institutions. The mandate of the committee is to revise the accreditation framework of NAAC.

### **Students with distinction**

Graduating student Ms. Preksha Sharma secured I position in the University.

Ms. Geetanjali Chawla of Bachelor of Physiotherapy (BPT) IV year secured I position in the University.

Mr. Digvijay Singh of Bachelor of Physiotherapy (BPT) III year secured I position in the University.

Ms. Shreya Vashist of Bachelor of Physiotherapy (BPT) II year secured I position in the University.

Ms. Aishwarya Gupta of Bachelor of Physiotherapy (BPT) I year secured I position in the University.

### **Publications**

Jain, A., Shah, C. (2017) Effectiveness of Three Different Surfaces for Balance Training on Ambulant Stroke Patients – A Comparative Study. International Journal of Science and Research, 6 (10), 578-583.

Patki, K., Bhatnagar, B., Parasher R.K. (2017) Establishing Intra-rater Reliability of Physical Fitness Tests used in Elementary School Children between the Age of 6-14 Years: A Pilot Study. International Journal of Science and Research, 6 (8), 345-47.

Parasher, R.K. (2017) Chapter entitled 'Falls in the elderly' in "Textbook of prevention practice and community physiotherapy" first edition, volume 2, Jaypee brother's medical publisher, ISBN-978-9352703258.

Saxena, P.M., Patki, K., Parasher, R.K. (2017) Prevalence of urinary incontinence in women living in Delhi. International Journal of Science and Research (IJSR). 6 (5), 1502-1506.

### **Number of college teachers serving as Editor(s)/Member(s) of Journals: 4**

#### **Research Projects**

Dr. Jeyanthi S., Dr. Narkeesh Arumugam, Dr Raju K. Parasher, project entitled 'Effectiveness of Neuro Linguistics Programming (NLP) and Structured Exercises on Motor Skills, Physical Fitness and Attention in Children with ADHD- A Randomized Control Trial' for the period of 2017-19

Dr. Kshitija Bansal, Dr. Barkha Bhatnagar, Dr. Raju K Parasher, project entitled 'Fitness of Urban Elementary School Children: Impact of Exercise, Nutrition and Socio-Economic Status' for the period of 2017-19.

Dr. Jeyanthi S., Dr. Raju K. Parasher, Dr. Anu Bansal, project entitled 'Development and validation of a screening tool to determine the prevalence of urban women predisposed to Polycystic Ovary Syndrome in Delhi' for the period of 2018-2020.

Dr. Sampada Jahagirdar, Dr. Sonia Singh, Dr. Raju K Parasher, project entitled 'A study of the factors associated with fear of falls during ageing and establishing their relationship with functional abilities' for the period of 2018-2020.

Dr. Sampada Jahagirdar and Dr. Astha Jain, project entitled 'Hindi translation and cross cultural adaptation of International physical activity questionnaire- Short form and Elderly' for the period of 2018-2020.

Dr. Sampada Jahagirdar and Dr. Astha Jain, project entitled 'Hindi translation and cross cultural adaptation of MOCA.' for the period of 2018-2020.

#### **Seminar organised**

Seminar, 'Physical Fitness Analysis' delivered by Dr V. Sundar Kumar, Assistant Professor, M.S. Ramaiah Medical College was organized on 11 July 2017.

Seminar, 'Research Grant Writing' delivered by Prof. Arun Maiya, Associate Dean, Department of Physiotherapy, Manipal University on 6 January 2018.

### **Conference/workshop organized**

Workshop entitled 'Health Science Education Technology' organized on 26 and 27 August 2017.

Conference entitled 'Neuro Developmental Techniques' organized during 26 and 27 October 2017 in collaboration with Sarnir Foundation, Delhi.

Conference entitled 'Principles of Sports assessment' organized on 2 and 3 February 2018.

### **Seminar/Conference Presentation**

Raju K Parasher presented a paper titled 'Providing Physical Therapy and Rehabilitation Services Across Three Continents: The Impact of Cultural Factors' at the School of Health & Medical Sciences and Practice & Institute of Public Health, New York Medical College, Valhalla, New York on 5 September 2017.

Jeyanthi S. was invited as a chairperson and moderated the session on 'Manual therapy in Neurodynamics' during the "National conference organized by Jamia Hamdard University" on 8 September 2017.

Jeyanthi S. was invited as a resource person to deliver a lecture on 'Role of Physiotherapy in Infertility' during the National Conference "Apollo Physiocon 2017" held at Indraprastha Apollo Hospitals, New Delhi on 10 September 2017.

Jeyanthi S was invited as a chairperson and moderated the session on 'Physical activity and Life style disorder' in a "National conference organized by RML Hospital" on 15 September 2017.

Jeyanthi S. was invited to as a panellist for Panel discussion on 'Mental health Problem a New Challenge for modern life style' during the "National conference organised by RML Hospital" on 15 September 2017.

Sampada Jahagirdar presented paper titled 'A Balance Intervention for an Octogenarian: A Case Study' during the "International Conference of Physiotherapy" held at All India Institute of Medical Sciences, Delhi on 10 December 2017.

Sampada Jahagirdar presented paper titled 'Factors Associated with Fear of Falls in Indian Elderly' during the "3<sup>rd</sup> Annual Conference of Society of Indian Physiotherapists" held at Kolkata on 27 January 2018.

Kshitija Bansal moderated a 'rapid fire' paper presentation - on the topic 'An initiative towards international standards' during the "3<sup>rd</sup> SIP Conference" on 27 January 2018.

Kshitija Bansal invited as a panellist for a discussion on 'Improving Physical Activity in children and youth: Are we doing enough?' during the "3<sup>rd</sup> SIP Conference" on 27 January 2018.

### **Library Development**

Total Library Budget: Rs. 1,70,721/-

Number of books added: 54

Physiotherapy Journals: 6

### **Faculty Strength**

Total number of faculty = 16. (Thirteen Academic and Three Clinical)

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## **ARYABHATTA COLLEGE**

### **Major activities and achievement**

The college started its new course on Bachelor of Management Studies in a regular mode from this academic year. College building and infrastructure was improved significantly with a green spacious lawn and a stepped outdoor seating at the Taregna Block as the highlights of its construction. The computer laboratory also witnessed a facelift with the addition of 48 terminals, a faculty research room with 12 workstations, and increase in the number of classrooms with projection facility. Construction of an another four-storey twin college building is expected to be completed by 2019. A covered space for the storage of office records and repair of storage cabinets is underway.

### **Honours / Distinctions**

Vedant Sharma of B. Com I year secured III position in All India Inter University Badminton championship.

Manor Melawi of B.Com (Pass) I year was awarded a silver medal in an Inter-College boxing tournament.

Jyoti Deshwal of B.A. (Pass) I year was awarded with two gold, two silver and one bronze medal in BITS Pilani Swimming Tournament.

Bharat Singh of B. Com (Pass) III year awarded with a gold medal in an Inter-College Taekwondo tournament.

### **Publications**

Chakravarty, S.L. (2017) Emerging issues on Inclusive Growth, Business and Environment, New Delhi, Regal Publications, ISBN: 978-81-8484-566-2.

Sinha, M. (2017) Citizenship and Governance, New Delhi, JTS Publications, ISBN: 978-93-85833-78-6.

Sinha, M. (2017) Naagrikta Aur Prashashan, New Delhi, JTS Publications, ISBN: 978-93-85833-79-3.

Singh, D. (2017) Dalit Literature: Issues and Perspectives, New Delhi, AK Publishers, ISBN: 938-50-228-38.

Sharma, R.A. (2017) Gaonse Sehar Tak, New Delhi, Isha Gyandeeep, ISBN: 978-93-82543-75-6

Singh, J.K. (2017) Investing in Stock Markets, New Delhi, A.K. Publications, ISBN: 978-93-85022-87-6.

### **Seminar Organized**

Seminar, 'Industrial Motivation Campaign' delivered by Mr. D. C. Sahu, Deputy Director, MSME, Government of India on 26 September 2017.

### **Conferences Organized**

National Conference entitled 'Hill Valley Connection in North East Indian' organized under the aegis of ICSSR, ICPR and Ministry of North Eastern region, Government of India on 5 and 6 January 2018.

An International Seminar entitled 'Vashudhaiva Kutumbakam' funded by UGC, ICSSR, ICHR, ICPR and Indian Oil Corporation and organized on 24 and 25 February 2018.

### **Seminar/ Conference Presentations**

Kamayani Kumar presented a paper entitled 'Sindh and Partition of India' in the Seminar on "Understanding Partition(s) in/of Indian Subcontinent through Literature and Cinema with Special Focus on Sindh" hosted by UGC DRCSAP Phase 3 Department of English, Jamia Milia Islamia on 22 March 2018.

Kamayani Kumar presented a paper entitled 'Mediating Partition Through Visual Culture' in an International Conference on "15th New Directions in the Humanities" held at London from 5 to 7 July 2017.

Krishna Murari presented paper entitled 'Sacred Geography of Rajgraha: Some Introspection' during "International Conference at Gautam Buddh University" in the month of September 2017.

Rajesh Kumar, presented a paper entitled 'Bhoodan Movement' during the annual session of "Indian History Congress" held at Kolkata in the month of December 2017.

Sonal Linda, presented a paper entitled 'A Genetic Algorithm Approach to Context aware recommendations based on Spatio-Temporal Aspects' in an International Conference on "Integrated Intelligent Computing, Communication & Security" held at SJB Institute of Technology, Bengaluru on 24 and 25 January 2018.

### **Placement Details**

Number and percentage of students placed - 42 (70%)

Number of Companies visited for campus recruitment - 7

### **Extension and Outreach Activities**

College completed an add-on course on "Advance Skill Programme on Financial Markets" in collaboration with Advanced Institute of Financial Markets and Research under the flagship of NIESBUD, an organisation of Ministry of Skill Development and Entrepreneurship, Government of India from October 2017 till March 2018. Two short-term courses were added, namely, Bombay Stock Exchange (BSE) and Advance Program in Financial Modelling in collaboration with I.M.S. Pro School and under the flagship of NSDC, Ministry of Skill Development & Entrepreneurship. Enactus Aryabhata was able to win four awards in a row for their projects. North East Inter-College Festival "Connect 18" was held from 19 to 23 March 2018 in the college premises.

### **Library Development**

A new Library room and a separate Reading room were constructed in the Taregana Block with seating capacity of around 100 students.

### **Faculty Strength**

Total number of permanent faculty = 55

Total number of ad-hoc faculty = 32

### **Financial Allocation and Utilization**

Grant sanctioned: Rs.33,89,20,083/-

Grant Utilized: Rs. 23,65,57,058/-

### **Other significant information**

Stage play, 'Nirala', won accolades to the college and the theatre group also performed at the TEDx Aryabhata event and at other university events. Personality Development Programme was organized for students for the overall development of students' personality including English proficiency enhancement and body language thereby preparing them for jobs. College organized its 1<sup>st</sup> Savitribai Phule Memorial lecture in partnership with Nehru Memorial Museum and Library, New Delhi on 21 March 2018.

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## **ATMA RAM SANATAN DHARMA COLLEGE**

### **Major Activities and Achievements**

Atma Ram Sanatan Dharma College is a premier educational institution which aims to nurture excellence in education. The college was ranked 14<sup>th</sup> in India and 8<sup>th</sup> in the University of Delhi under the National Institutional Ranking Framework (NIRF), MHRD, Govt of India. As per the recent India Today ranking of Arts, Science and Commerce colleges in India, the college was ranked 12<sup>th</sup> among 100 Science colleges of the country and 11<sup>th</sup> among Commerce colleges in India, while 6<sup>th</sup> best college for Commerce among University of Delhi and 15<sup>th</sup> for Arts courses in India and bagged 8<sup>th</sup> position among University of Delhi. The college was awarded with Star College Grant from Department of Biotechnology, Government of India. Matribhasha Diwas was celebrated on 21 February 2018 to create awareness about the linguistic and cultural traditions of our country. On the birth anniversary of Sardar Vallabhbhai Patel the college celebrated Rashtriya Ekta Diwas.

### **Honours/Distinctions**

Dr. Gyantosh Kumar Jha (Principal) awarded with 'Dr. S. Radha Krishnan Memorial National Teacher Award' by Akhil Bhartiya Swatantra Avam Lekhak Sangh (regd.). He is also awarded with a 'Certificate of Appreciation' by the Society for Disability and Rehabilitation Studies in honour of his outstanding contribution in achieving 5<sup>th</sup> position in NIRF and making the campus of Atma Ram Sanatan Dharma College completely barrier-free for higher education of students with disabilities.

### **Students with Distinction**

Avinash Banarji of B.A. (Hons) III year was a University Topper.

Karnik Raj Sharma of B.Com. (Hons) 1 year was awarded with a gold medal in Trap (Jr. Men), gold medal in Trap (Sr. Men), gold medal in Double Trap both (Jr. and Sr. Men) tournaments.

Sachin Gupta of B. Com. (Hons) III year secured highest marks in the University Exam.

Nikita Mishra of B. A. (Hons) Economics III year secured highest marks in the University Exam.

Jyoti Shrimali of B.Sc. (Hons) Maths III year secured highest marks in the University Exam.

### **Publications (Selected)**

Baskakov, S.A., Baskakova, Y.V., Lyskov, N.V., Dremova, N.N., Irzhak, A.V., Kumar, Y., Michtchenok, A., Shulga, Y.M. (2018) Fabrication of current collector using a composite of polylactic acid and carbon

nano-material for metal-free supercapacitors with graphene oxide separators and microwave exfoliated graphite oxide electrodes. *Electrochimica Acta*. 260:557-563.

Pandey, R., Viviani, M., Singh, P., Botter, R., Presto, S. (2018) The effect of synthesis and thermal treatment on phase composition and ionic conductivity of Na-doped SrSiO<sub>3</sub>. *Solid State Ionics*. 314:172-177.

Pandey, R. Singh, P. (2017) Electrical conductivity of YSZ-SDC composite solid electrolyte synthesized via glycine-nitrate method. *Ceramics International*. 43: 11692-11698.

Prajapati, B., Kumar, B., Kumar, M., Chatterjee, S., Ghosh, A.K. (2017) Investigation of the physical properties of Fe:TiO<sub>2</sub>-diluted magnetic semiconductor nanoparticles. *J. Mater. Chem. C*5: 4257-4267.

Sharma, N., Kumari, N., Chundawat, T. S., Kumar S., Bhagat, S. (2017) Efficient trifluoromethylation of C(sp<sup>2</sup>)-H functionalized  $\alpha$ -oxoketenedithioacetals : route to regioselective synthesis of functionalized trifluoromethylatedpyrazoles. *RSC Adv.*: 7;10150-10153.

Sharma, N., Bhagat, S., Chundawat, T.S. (2017) Recent Advances in Development of GPR40 Modulators (FFA1/FFAR1): An Emerging Target for Type 2 Diabetes. *Mini Rev Med Chem*. 17: 947-958.

Singh, A., Sharma, A. Tomar, M., Gupta, V. (2017) Reduced graphene oxide-SnO<sub>2</sub> nanocomposite thin film based CNG/PNG sensor. *Sensors and Actuator B: Chemical*. Vol: 245, 290-298.

Shulga, Y.M., Baskakov, S.A., Lobach, A.S., Kabachkov, E.N., Volfkovich, Y.M., Sosenkin, V.E., Shulga, N.Y. S.I. Nefedkin, Kumar, Y., Michtchenko, A. (2018) Preparation of graphene oxide-humic acid composite-based ink forprinting thin film electrodes for micro-supercapacitors. *J. Alloys & Compounds* 730: 88-95.

Tyagi, P., Sharma, A., Tomar, M., Gupta, V. (2017) A comparative study of RGO-SnO<sub>2</sub> and MWCNT-SnO<sub>2</sub> nanocomposites based SO<sub>2</sub> gas sensors. *Sensors and Actuator B: Chemical*. 248: 980-986.

Tyagi, P., Sharma, A., Tomar, M., Gupta, V. (2017) SnO<sub>2</sub> thin film sensor having NiO catalyst for detection of SO<sub>2</sub> gas with improved response characteristics. *Sensors and Actuator B: Chemical*. 248:980-986.

#### **Teachers serving as Editor(s) and Member(s) of Editorial Board-13**

##### **Research Projects**

Dr. Sunita Bhagat, project funded by Indian Council of Medical Research, 2015-2018, Design and Synthesis of Natural products isolated from E Jambolana and its structural analogs for assessment of their antidiabetic potential in STZ induced diabeticrats, Rs. 54 Lakhs.

Dr. Sunita Bhagat, project funded by DST-SERB, 2015-2018, Design and Strategic Synthesis of some Novel Marine Natural Products of Biological Importance, Rs. 43 Lakhs.

Dr.Raghvendra Pandey, project funded by DST-SERB, 2016-2019, Investigations and Development of the cost effective solid electrolyte for ITSOFCs,Rs. 35 Lakhs.

Dr. Yogesh Kumar, project funded by DST-SERB, 2017-2020, Design and optimization of performance parameters of hybrid capacitors usinggraphene (nano-carbons)/metal-oxide nono-composites electrodes with sodiumion based electrolytes,Rs. 43 Lakhs.

Dr. Rajeev Singh, project funded by UGC, 2013-2017, Synthesis and characterization studies of some single source molecular precursors of Al (III),V(V),Ti (IV) and related metals for the preparation of ceramic materials, Rs. 13.71 Lakhs.

##### **Seminars organized**

Seminar, ‘Mastering the Stock Markets-Understanding Myths Related to the Capital Markets’ delivered by Mr. Pulock Bhattacharji, Head Business Development, BSE Institute on 4 September 2017.

Seminar, ‘Goods and Services Tax (GST)’ delivered by Mr. Vijay Kaushik, AIFMR on 8 September 2017.

Seminar, ‘Article 370 : Issues and concerns surrounding it, within Indian Federalism’ delivered by Prof. Gull Mohd. Wani, Department of Political Science, University of Kashmir on 16 September 2017.

Seminar, ‘European Classical Literature: An Introduction’ delivered by Dr. Lalit Kumar, Assistant Professor, Department of English, on 21 September 2017.

Seminar, ‘Contemporary Issues in Corporate Laws’ delivered by CS Dhananjay Shukla, President NIRC, ICSI, on 17 January 2018.

##### **Seminar/Conference Presentations (Selected)**

Apra Sinha presented a paper entitled ‘The impact of Economic Liberalisation on the Environment- An Empirical examination of Environmental Kuznets curve Hypothesis’ at Kobe, Japan during 8 to 11 June 2017.

Balkishan presented a paper entitled 'Climate Change and Agriculture: Vulnerabilities, Livelihood Adaptation and Food Security' at Jawaharlal Nehru University on 25 and 26 August 2017.

Renu Bahuguna presented a paper entitled 'Constructing the Image of an Ideal Vaishnava Woman: Devotion and Gender in the Pushtimargi Narratives of the 16th-17th Centuries' at the "South Asian History Conference", organised by the Department of History, Punjabi University, Patiala during 10 to 12 November 2017.

Appala Naidu presented a paper entitled 'Determinants of enrollment in higher education institutions at Andhra Pradesh' during the month of November 2017.

Gautam Choubey presented a paper entitled 'Trauma Studies and Literature' at Dyal Singh College (Evening) in the month of November 2017

Renu Bahuguna presented a paper entitled 'Bhakti and Gender in Medieval Rajasthan: Vaishnava and Santic Representations of Mirabai during the Seventeenth and Eighteenth Centuries' at 32<sup>nd</sup> Session of the "Rajasthan History Congress" held in Jaipur from 22 to 24 December 2017.

Amit Singh presented a paper entitled 'South China Sea Dispute and its Impact on India-Vietnam Relations' at Zakir Husain Delhi College, University of Delhi on 09 January 2018.

Raghvendra presented a paper entitled 'Science communication: Issues & Challenges' at the FAA Govt college Mahmudabad, Sitapur, U.P. on 16 and 17 February 2018.

Amit Singh presented a paper entitled 'From Girmitiya to Sahib: The Saga of Indian Diaspora in Fiji' at Jawaharlal Nehru University on 20 and 21 March 2018.

### **National/International MoUs Signed**

College has entered into MoUs with companies, AIFMR, NIESBUD and others to offer training courses and other learning opportunities to students.

MoU with the Society for Disability and Rehabilitation Studies to provide infrastructural, monetary as well as instrumental support to differently-abled students across South Campus.

MoU with Jaagruti paper recycling unit for waste paper management.

MoU with Pom Pom for e-waste management.

### **Placement Details**

Number of Students Placed in various Companies = 128

### **Extension and Outreach Activities**

'Swacchta Pakhwara' was observed from 1 to 15 August 2017 during which many activities were organized. NSS and NCC units organized a seminar entitled "Swachh Bharat Swasth Bharat" on 04 August 2017. Poster making competition organized on 9 August 2017 on the themes of "Swachh Bharat Abhiyaan", "Effective Disposal of Waste", and "Hazards of Plastic". Swachh Bharat Committee organized an Elocution Competition on the topic, "Health and Hygiene are the real Wealth" on 14 September 2018. In an attempt to declutter the campus, unwanted files, old and outdated stationery like assignments, project materials, etc., were handed over to "Jaagruti" for recycling purposes.

### **Library Development**

The library has over 109481 books, 3760 reference books and 80,38,582 ebooks. Library automation was a key feature this year with introduction of 17 computers, 109481 books and 468 journals and 82 digital database. Library software facilitates OPAC (Online Public access catalogue) functions, enabling users to access their required documents Library is linked to N-List digital library, UGC infonet and INFLIBNET.

### **Faculty Strength**

Total number of permanent faculty= 135

Total number of adhoc faculty= 60

### **Financial Allocation and Utilization**

Grant Sanctioned: Rs. 45.7870 Crores

Grant Utilized: Rs. 35.4370 Crores



### Other Significant Information

'Rangayan', the Dramatics Society of the college, organised a Theatre Festival, "Rangsheersh Jaidev Natya Utsav" in honour of acclaimed Hindi drama critic, Dr. Jaidev Taneja from 6 to 8 February 2018. A ten-day self defence training workshop in collaboration with 'Crime Against Women Cell, Delhi Police' was organized for female students of the college from 28 August 2017 to 6th September, 2017. Vigilance Awareness Week, an initiative of 'The Central Vigilance Commission (CVC)', was observed from 30 October to 4 November 2017. The week entailed a series of events focusing on this year's theme "My Vision: Corruption Free India"

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## BHARATI COLLEGE

### Major activities and achievements

The college introduced four new courses, namely, Hons in Journalism in English, Hons in Psychology, Hons in Sociology, and Hons in Mathematics. Another significant achievement was introduction of two short term new skills based courses: 'Mass Communication' and 'Digital Marketing' from January 2018. A key feature of these courses is that they provide placement opportunities that make them attractive.

### Honours/Distinctions

Dr. Kanta Rani Bhatia nominated and appointed as Vice Chairperson of "Delhi Sanskrit Academy" from December 2017 by Delhi Government.

Dr. Shubhra Kathuria, Department of Physical Education was nominated as the member of selection committee for Indian Squad of Lawn bowls for commonwealth Games 2018. Gold Coast, Australia.

'Elantre' Fashion Society of the college, secured first position at Manav Rachna International, IIT Delhi and BITS Pilani for best performance.

Ms Shilpi Sahi was awarded with a first prize in 'Prof. Samiuddin Memorial ICA Research Scholar Award' session for paper presentation entitled "Mediation Impact of Employee Engagement on the Relationship between Human Capital Dimensions and Performance" during the 70<sup>th</sup> All India Commerce Conference organized by Indian Commerce Association at IIS University, Jaipur from 12 to 14 October 2017.

### Students with distinctions

Students of B. A. (Hons) Sanskrit secured III position in 'Sanskrit Kavyali' and 'One Act Play'.

Ms. Sapna from B.A. (Hons) in Sanskrit received a second prize for 'Sanskrit Kavya Dharita', Shivani from 3rd Year Sanskrit (Honours) got 3rd prize in 'Sanskrit Speech Competition'.

Ms. Tanya Pankhuri B.A. (Hons) in Sociology secured first position in doodle art competition on "Meme Culture" in the annual fest of Bhagwan Parshuram Institute of Technology (BPIT), Delhi

### Publications

Betagiri, A. (2017) The translation of two of my poems: "Now" and "Joy" in the "Young Writing in Kannada" *Aniketana: A Quarterly Journal of Kannada Language and Literature*, Jan-March 2017.

Betagiri, A. (2017) Poems: "Langue," "Leave!" and "Oration on the Ingenuity of Man by Bacteria della Favela" *Indian Literature*, 297, Jan-Feb 2017.

Jha, S. (2017) The Erasing of Hierarchies and Bridging of Divides: In Ngugi Wa Thiong Globaletics: Theory and Plotics of Knowing. *Journal of English Language and Literature*.

Gupta, S. (2017) Financial Returns of Intangibles in Luxury Market: A Cross Sectional Study of 2015. *Journal of Commerce & Business Studies*.

### Books published

Gupta, L. (2017) In *Ecocritism and Environmental Praxis and Dynamics of Childres's Literature*. New Delhi: Primus Publication.

Kumar, S. (2017) Macro Economic Performance Related to Revenue: An Overview. New Delhi: Shandilya Publications.

## **Research Projects**

Project funded by Ministry of Human Resource Development, Government of India entitled 'History in the Classroom: Challenges, Innovations, Pedagogical Issues in Undergraduate History Teaching' for Rs. 10 Lakh.

## **Seminars Organized**

Seminar, 'Understanding Goods and Service Tax (GST)' delivered by Dr. Renu Verma, Dean, Economics and Finance Faculty IBS Business School Gurgaon on 29 August 2017.

Seminar, 'Career Options in Finance' delivered by Dr. Kushal Bhateja, Finance Faculty & Program Head, International College of Financial Planning on 4 September 2017.

Seminar, 'Grooming and Personality Development for cracking interviews' delivered by Ms. Yukti Ahuja, Jagan Institute of Management Studies, Rohini on 9 October 2017.

Seminar, 'Tips and Tricks for Developing and Delivering Effective Presentation' delivered by Vaibhav Mediratta, Faculty, Puna Institute of Business Management on 20 March 2018.

## **Conferences Organized**

Conference entitled 'Thoreau and the Transcendentalists: Their Philosophy and Related Concerns' was organized by the English department in collaboration with National School of Drama held at India International Centre on 15 to 17 March 2018.

## **Seminar/Conference Presentation**

Saloni Gupta presented a paper entitled 'Impact of Demonitisation on Indian Stock Market Return' during the "International Conference of Business and Economics", held at Joseph B. Martin Conference Center at Harvard University and also chaired a session there on 25 May 2017.

Poonam presented a paper entitled 'Understanding and promoting religion via social media: Finding the right way' at the "6th Annual International Commerce Conference", organized jointly by Department of Commerce, Delhi School of Economics, University of Delhi and Academy of Indian Marketing during 11 and 12 January 2018.

Anubhuti Maurya presented paper entitled 'The Mythical Medieval: Periodization, Historical Memory and the Imagination of the Indian Nation' during the International Seminar organised by Forum Transregionale Studien and the Max Weber Stiftung on "Chronologies: Periodisation in a Global Context" held at Maison de France, Berlin, from 7 to 9 December 2017.

Ankur Betagiri presented paper entitled 'From Transcendental Subject to Empirico-Transcendental Doublet and Beyond' as part of Work-in-Progress Colloquium at IIT Delhi on 2 November 2017.

Devika Mittal presented a paper entitled 'Religion and Religiosity in School Cultures: A Study in the Indian Context' during the Conference on "Aspects of Gender and Religion in South Asia" organized jointly by ICSSR and JSPS in Waseda University, Tokyo from 23 to 25 November 2017.

Shailesh Kumar presented a paper entitled, 'Globalisation and Informalisation of Employment in India' at the "International Seminar on Leading Socio-Economic Issues in the Making of New India: Challenges, Ways and Means" organised by Queens Mary's College, Chennai, Tamilnadu on 13 to 15 September 2017.

Shailza Singh presented a paper titled 'Alternative Conceptualisation/s of Security in IR: Exploring the Possibilities from South Asia'. during the National Conference on "Re-working the 'Knowledge Structures in International Relations: Some Indian Contributions' organized by Institute for Research on India and International Studies (IRIS) and supported by Indian Council for Social Science Research (ICSSR) held at India International Centre, New Delhi on 29 and 30 November 2017.

Shailza Singh presented a paper entitled 'Counter-Terrorism Mechanisms and Human Rights: The Missing Linkage' during the National Conference on "Human Rights Education" organized by held at National Council of Educational Research and Training (NCERT) Regional Institute of Education, Bhubaneswar, Orissa on 7 and 8 December 2017.

## **National/International (MoUs) signed**

Memorandum of understanding (MoU) signed with Heavenly Culture World Peace, Restoration of Light (HWPL), an NGO based in South Korea working in different parts of the world and committed to providing peace education on 9 September 2017.

MoU signed with NIIT Ambit Computing Pvt. Ltd. to qualify NIELIT.

**Placement details**

Number of students getting successful placements = 83

Number of Companies/Industries coming for campus recruitment = 08

Number of repeat recruiters = 03

**Extension and Outreach work**

Number of camps organized in the surrounding areas = 4

Number of people enrolled/covered in the camps = 50

Number of students who worked in the camps = 20

**Library Development**

Convener for the library committee, Dr. Jaya Keral, was appointed for a smoother and better functioning of library. 783 books were added to the stock of Library making a total of 52091 books and 3639 books in book bank. The library subscribes to 19 Newspapers in English and Hindi, 20 National and International journals and 13 magazines.

**Faculty Strength**

Total number of permanent faculty = 69

Total number of temporary faculty = 01

Total number of adhoc faculty = 32

**Financial Allocation and Utilization**

Grant sanctioned: Rs. 2727.09 (in lacs)

Grant utilized: Rs. 2236.0916 (in lacs)

**Any other significant information**

Three of the non-collegiate NCWEB students were the toppers. The Bharati Pariwar has been working unitedly and steadfastly towards transforming the lives of the students that enter their portal whether they belong to SOL, NCWEB or regular system. The personal contact programme of School of Open Learning (SOL PCP) has helped 500 students of B. Com. a lot.

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**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES****Major Activities and Achievements**

The college has been recently accredited with Grade 'A' by NAAC and has also received a 'Star College Status' from the Department of Biotechnology, Government of India with four departments of the college viz; Biomedical Science, Food Technology, Biochemistry and Microbiology enjoying the coveted recognition. College has commenced three new courses, so presently our college offers 11 honours courses in Sciences. Nishant Sindhu, student of B. Sc. (Hons) Electronics II year represented India and got a gold medal in World University Shooting Competition in Malaysia. The students and faculty are actively involved in outreach programs as well, working in society and educating masses about various issues pertaining to environment, food safety and hygiene and health.

**Honours/Distinctions**

Dr. Avneesh Mittal awarded with Best College Teacher's Award (2016-17) by the Directorate of Higher Education, Govt. of NCT of Delhi.

**Students Distinctions**

Mr. Rahul Madan of B. Sc. (Hons) Biomedical Science III year I position in the University.

Ms. Hephzibah Saji of B. Sc. (Hons) Food Technology III year received a silver medal from All India Food Processors Association for "Italian Technical Services Award" at the 73<sup>rd</sup> Annual Conference of AIFPA.

Ms. Isha Sikri of B.Sc. (Hons) Biomedical Science III year secured admission in M.Sc. Regenerative Medicine, National University of Ireland with full scholarship.

Mr. Nishant Sindhu of B.Sc. (Hons) Electronics II year represented India and secured gold medal in FISU World Shooting Championship 2018 (World University) in 10m air pistol-Men Sports Championship, Subang, Malaysia.

Mr. Ujjwal B.Sc. (Hons) Chemistry I year represented Manipur state in (under 23 year) cricket tournament organized by BCCI.

Ms. Dimple Kaushik of B.Sc. (Hons) Electronics III year secured II position in 1st Delhi State Yoga Championship organized by Yogic Lifestyle Foundation on 5 and 6 October 2017.

Mr. Parth Bidaliya and Mr. Saiyam Dobhal, of B.Sc. (Hons) Polymer Science III year received the "Best Poster Award" at 7th National Symposium on Advances in Chemical Sciences organized by the Department of Chemistry, Guru Nanak Dev University, Amritsar (Punjab) held on 26 and 27 March 2018.

### Publications (Selected)

Anand, P., Mittal, A., Saluja, D., Chaudhry, U., Pani, B., Thakur, R., Bhaskar, D., Naudial, N., Singh, P., Ahuja, P., Jindal, S., Bindra, D., Khurana, D., Shokeen, B., Das, D., Kumari, J., Bansal, N. (2018). Influence of material factors on childhood obesity. *DU Journal of Undergraduate Research and Innovation*. 3(1), 75-82.

Gangwar, A., Mittal, A., Nain, R., Sirohi, S. (2017) Polymers in Biomedical Applications. *Laghu Udyog Samachar*, 43(1). 14-16.

Jain, N., Singh, R., Kumar, G., Pani, B., Nain, R., Dutt, K., Muwal, P., Sirohi, S. (2017) Facile Preparation of Biodegradable and Printable Polyester Films. *Chemistry Select*, 2(35): 11415-11421. doi: 10.1002/slct.201702726

Jain, N., Sirohi, S., Pani, B. (2017) Indian Polymer Packaging Industry. *Laghu Udyog Samachar*, 4 (11):42-43. ISSN 0970-8006.

Nain, R., Dobhal, S., Bidaliya, P., Saini, G., Pani, B., Sirohi, S. (2018) Ag decorated silica nanostructures for surface plasmon enhanced photocatalysis. *RSC Advances*, 8(36): 20287-20294. doi: 10.1039/c8ra02543f

Saini, R., Kumar, M., Kumar, A., Bhatt, G., Khanna M. K., Kapoor, A. (2017) Analysis of Silicon Optical Waveguide for High Extinction Ratio TE/TM Pass Polarizers using Resonant Coupling between Guided Modes and Lossy Modes. *Journal of Electrical and Electronics Engineering (IOSR-JEEE)*. 12(3): 59-64 e-ISSN: 2278-1676.

Sirohi, S., Singh, R., Jain, N., Pani, B., Dutt, K., Nain, R. (2017). Synthesis and characterization of multifunctional ZnO/polyester green composite films. *Journal of Polymer Research*, 24(11) 193. doi: 10.1007/s10965-017-1355-8

Sirohi, S., Singh, A., Dagar, C., Saini, G., Pani, B., Nain, R. (2017) Facile synthesis of microporous SiO<sub>2</sub>/triangular Ag composite nanostructures for photocatalysis. *Applied Nanoscience*, 7(8):633-643. doi: 10.1007/s13204-017-0597-4.

Sirohi, S., Nain, R., Dutt, K., Pani, B., Jain, N., Singh, R., Wadhwa, P., Saini, G., Panwar, P. (2017) Synthesis of Well-dispersed ZnO NPs for Nanofinishing Textiles and Biomedical Applications. *Nanotechnology-Driven Engineered Materials New Insights* Apple Book, Taylor and Francis. ISBN 9781771886345.

Sirohi, S., Verma, C. S (2017) *Writing of short articles chapters/books* in book entitled *Higher Education Faculty Career Orientation and Advancement*, India, Delhi: Centre for Education Growth and Research. ISBN: 978-81-933475-9-1.

### Research Projects

Dr. Balaram Pani and Dr. Manjete Singh Barwa project funded by Board of Research entitled Nuclear Sciences, Spatial Distribution of uranium and associated water quality parameters in groundwater/surface water of six districts (Agra, Mathura, Mahamaya Nagar, Kanshiram Nagar, Etah and Badaun) of Uttar Pradesh, (2016-2017) for Rs. 26.94 lakhs.

Dr. Balaram Pani and Dr. Deepak Gupta project funded by SERB-Department of Science and Technology (DST) entitled Synthesis and Post Self-assembly Functionalization of Re and Ru-based Metallocycles and its Effects on the Photo physical and Electrochemical Properties, (2016-2018) for Rs. 23.29 lakhs.

Dr. Uma Chaudhry and Dr. Balaram Pani project funded by Department of Science and Technology (DST) entitled Safeguarding immunity and health versus Indiscriminate use of antibiotics: Building medical

awareness and capacity for informed choice through multilevel orientation, exhibitions and demonstrations for students, paramedics, drug marketing systems and community (2016-2018) Rs. 22.72 lakhs

### **Seminars Organised**

Seminar, 'Change the future of migration – Investment in Food Security & Rural Development' held on October 16, 2017.

Seminar, 'Careers in I.T after graduation' was conducted by Landmark Institute on 23 January 2018.

### **Conferences Organized**

National Conference entitled, 'Advances in Interdisciplinary Microbiology: Perspectives' was organized by the Department of Microbiology and was held on 13 and 14 March, 2018.

National Conference entitled, 'Food Safety, Nutrition Security and Sustainability AMIFOST' organized on 26 September 2017.

### **Seminar/Conference Presentations**

Uma Dhawan coordinator and resource person for the first MHRD GIAN Course of University of Delhi on "RNA Metabolism and Neurodegenerative Diseases" held from 2 to 7 April 2018 at University of Delhi.

Uma Dhawan presented a paper entitled 'Challenges in Human Health: Prevention, Diagnosis and Cure' during the 11<sup>th</sup> Annual Symposium on "Frontiers in Biomedical Sciences (FBR-2018)" organized by Dr. B. R. Ambedkar Centre for Biomedical Research, University of Delhi from 19 to 21 February 2018.

Shubhra Barwa presented a paper entitled 'Sacred groves and biodiversity conservation' in the National Seminar on "Biodiversity Status and Significance" held at MDU, Rohtak on 21 March 2017.

Shvetambari Arora presented a poster entitled 'The Role of Calreticulin Transacetylase in Hypoxia' during the "Gordon Research Conference – Oxidative Stress and Disease" held at Lucca Barga, Italy on 19 to 24 March 2017.

Eram Rao delivered key note address on "Change the future of migration. Invest in food security and rural development" on the occasion of World Food Day-2017 at Amity Institute of Food Technology on October 12, 2017.

Shalini Sehgal was an invited speaker and presented 'Food Safety and Standards – Current Scenario' in the Practical Awareness Conclave on 'Food Safety and Regulations' held at New Delhi on 30 November 2017.

Shalini Sehgal was an invited speaker and presented 'Understanding Food Safety' at Ruia College, Mumbai under their Star College Scheme on 27 December 2017.

### **National / International MOUs signed**

Memorandum of Understanding (MoU) signed with Clintox Bioservices, Hyderabad for collaborative activities of B. Sc. (Hons) Biomedical Sciences from August 2017 till date.

### **Placement Details**

Number and percentage of students placed = 11

Number of Companies visited for campus recruitment = 8

### **Extension and Outreach Activities:**

Ambrosia Society of Department of Food Technology organized activities on the theme 'Nutritional label reading' and 'Food packing material' from 9 to 16 September 2017 in Bhaskar Colony and Madhu Vihar. Foldscope activities were conducted during "Science Fusion Program" at Vigyan Prasara, NOIDA on 19 May 2017 and a workshop on 'Exploring Microorganisms with Foldscope – Origami Workshop' at Dr V C Roy memorial Children's reading room, Children's Book Trust on 3 June 2017.

### **Library Development**

Library has a collection of 24945 volumes of books. Library has renewed subscription to N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) programme of INFLIBNET. Library has started using the RFID technology. This has paved the way for fast circulation, fast stock verification and more

security of the library. Successfully migrated from LSEase (LibSys) Library Management Software to KOHA – An Open Source Software for Library Management. KOHA utilities such as separate reports for issue and return of books on a given date and report of overdue charges collected on a given date are developed. The library has undertaken another important task i.e. inserting keywords to the existing database.

### **Faculty Strength**

Total number of permanent faculty = 46

Total number of ad-hoc faculty = 38

### **Financial Allocation and Utilization**

Grant sanctioned: Rs.21,39,52,236.00 /-

Grant utilised : Rs.14,99,60,445.67/-

### **Other Significant Information**

The college has taken a giant leap in Digitisation & Automation by developing Zero Cost Integrated College Management System.

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## **COLLEGE OF NURSING ARMY HOSPITAL RESEARCH & REFERRAL**

### **Major activities and achievements**

College of Nursing Army Hospital (R&R) offers B.Sc. (Hons) Nursing course with an annual intake of 30 students. Foundation day was celebrated with grand success and Lt Gen A K Das, Commandant AHRR and Major General Sushula Shahi, Addl DGMNS were the Chief Guest and Guest of Honor on the occasion. College released its second edition of magazine “Tarangini” during the occasion. An inter-house group song competition and slogan writing competition were organized during the 70<sup>th</sup> Independence Day celebration. Yoga camp was organized in collaboration with Army Hospital (R&R) wherein the students practiced different yoga postures and meditation under supervision of trained Yoga Instructors. The SNA unit of College of Nursing AHRR was adjudged as ‘Best SNA Unit’ of Delhi.

### **Honours/Distinctions**

Lt Col Mary Priya A V, was awarded with GOC-in-C Commendation in January 2018.

### **Students with Distinctions**

N/Cdt Aprajita Raj Rana secured highest marks in V Semester B.Sc. (Hons) Nursing examination.

N/Cdt Arunima G P secured highest marks in VI Semester B.Sc. (Hons) Nursing examination

N/Cdt Jyotsna secured highest marks in VII Semester B.Sc. (Hons) Nursing examination.

### **Research Projects**

Major Jilmy Anu Jose project entitled ‘An experimental study to assess the effectiveness of povidine iodine on IV cannulation site in prevention of phlebitis among patients receiving IV therapy at selected wards of a quaternary care hospital of Delhi’ for the year 2017-18.

Lieutenant Colonel Reena Ojha project entitled ‘An exploratory study to assess the knowledge regarding sexual abuse among school going children studying in a selected school of metropolitan city’ during the year 2017-18.

Major Renjini Gopalakrishnan project entitled ‘An experimental study to assess the effectiveness of different maternal positions on materno-fetal biophysical parameters among mothers subjected to Non-stress test in a quaternary care centre at a metropolitan city’ during the year 2017-18.

Lieutenant Colonel Alka Thomas project entitled ‘An evaluatory study to assess the level of stress among primary caregivers of children with cerebral palsy attending quaternary care hospital in metropolitan city’ during the year 2017-18.

Lieutenant Colonel Alka Thomas project entitled ‘A cross-sectional study to assess the prevalence of burnout syndrome among nurses working in critical care units of a quaternary care hospital in a metropolitan city’ during the year 2017-18.

### **Seminar Organized**

Seminar, 'Organ Transplant' delivered by Lt Col Sandhya P Nair, Organ Transplant Coordinator, AHRR and Capt Mercy, Critical Care Nursing Officer on 12 May 2017.

Seminar, 'Biomedical Waste Management' delivered by Major Jilmy Anu Jose, Associate Prof, College of Nursing, AHRR on 5 December 2017.

Seminar, 'Chemotherapy' delivered by Lt Col Dola Banerjee, Associate Prof, College of Nursing, AHRR on 23 January 2018.

Seminar, 'Open Heart Surgery' delivered by Lt Col Meenakshi, CVTS, AHRR on 27 February 2018.

Seminar, 'Tracheo-oesophageal fistula' delivered by Lt Col Suman Dhaka, Associate Prof, College of Nursing, AHRR on 13 March 2018.

### **Conferences Organized**

Conference entitled 'Critical Care Nursing' funded by DGAFMS and organized during 18 to 19 August 2017.

Conference entitled 'BLS/ACLS' funded by Army Hospital (R&R) and organized during 6 to 8 January 2018.

Conference entitled 'Obstetric Emergency' was organized during 26 to 27 March 2018.

### **Seminar / Conference Presentations**

Lt Col Ajita Datta Chaudhuri was the Moderator for the Panel discussion on "Palliative Care" during the "Indian Myeloma Congress" organized on 11 February 2018.

### **Placement details**

All students after successful completion of four-year B.Sc. (Hons) Nursing course will be commissioned as Lieutenant in Military Nursing Service. The first batch of graduates will be commissioned after declaration of VIII semester result.

### **Extension and Outreach activities**

The college organized a programme on "Save Girl Child" at PHC Ujwa in the month of March 2017. B.Sc. (Hons) Nursing IV year Cadets organized a "School Health" Programme at National Boys & Girls Govt High School, Dwarka in the month of April 2017. An awareness programme on "Beti Bchao, Beti Padhao" was organized at RHTC Najafgarh in the month of September 2017. A "School Health" program was also organized at the Senior Secondary School, Nangloi Sakravati in the month of September 2017. B.Sc. (Hons) Nursing IV year Cadets organized a programme on "Breast Cancer awareness" at Family Welfare Centre, AHRR in the month of October 2017.

### **Library Development**

Total No of books in college library: 5000

Total number of books in Army Hospital (R&R) library: 10000

### **Faculty strength**

Total number of permanent faculty = 15

Total number of ad-hoc faculty = 03

### **Financial Allocation and Utilization**

Grant sanctioned : Rs 25,24,924/-

Grant utilized : Rs 25,24,924/-

### **Other Significant Information**

College of Nursing Army Hospital (R&R) conducts six post basic Diploma specialty courses in Nursing along with B.Sc. (Hons) Nursing which are recognized by Indian Nursing Council. Hematology Nursing and Stem Cell Transplant courses and Post Basic Diploma in Burns Nursing is awaited for the approval of Indian Nursing Council.

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## COLLEGE OF VOCATIONAL STUDIES

### Major Activities and Achievements

College of Vocational Studies is a constituent college of University of Delhi and has been serving the cause of vocational, management and conventional education since 1972. The college had been among the pioneer institutions in the country to offer vocational education, bridging the gap between traditional university education and the changing socio-economic environment. In addition to vocational courses the college offers honours courses in Commerce, Economics, History, Business Economics and Computer Science. College witnessed several achievements in the current academic year, highlights of which include 'Manthan' the Fashion society of the college secured first position in a Fashion Show organized by O.P. Jindal University and BITS and 'Drama Nomics' the Theatre group was the recipient of best production award at St. Stephens College among others.

### Honours/Distinctions

College secured 73<sup>rd</sup> rank in National Institutional Ranking Framework (NIRF).

Dr Inder Jeet (Principal) nominated as a member to the Executive Council, University of Delhi.

### Students with distinctions

Ms. Swati Jain of B.A. (Hons) Vocational Studies secured I position.

### Publications

Jeet, I., Suman, S. (2017) Organisational Behaviour, Taxmann Publications Pvt. Ltd., New Delhi

Kumar, J.V. (2018) Aindrikta Aur Muktibodh criticism, Bhartiya Jnanpith, New Delhi.

Singh, D. (2017) Enhancement of Infrared Image with the use of Logarithm and Entropy Functions in the Frequency Domain. *International Journal of Scientific and Engineering Research (IJSER)*, VIII: 743-747.

Kumar. S. U. (2017) Satyagraha aur Hindi Upanayas, Swaraj Prakashan, New Delhi.

### Research Projects

Project funded by University Grants Commission entitled 'A critical analysis of firm level innovation in India, National innovation systems and comparisons with China' for the period 2016-2018.

### Seminar Organized

Seminar, 'Hindi Sahitya ka Adhyayan Kyon' delivered by Dr. Nirmala Jain, Dr. Nityanand Tiwari and Dr. Visvanath Tripathi on 20 August 2017.

Seminar, 'Rashtra Nirman Mein Hindi Ki Bhoomika' delivered by Dr. Ved Pratap Vaidik, Journalist on 18 September 2017.

Seminar, 'Pricing of Land' delivered by Dr. B.L. Pandit, Professor, University of Delhi on 2 November 2017.

Seminar, 'Contribution of the Greece to Philosophy, Mathematics, Astronomy and Medicine' delivered by Mr. Panos Kalogeropoulos, Ambassador, Greece and Ms. Aliki Koutsomitopoulou, first counsellor and deputy chief, Embassy of Greece on 24 October 2017.

Seminar, 'Sabad-2018' delivered by Sh. Arun Jaimini, Sh. Gajendra Priyanshu, and Ms. Ritu Goyal, Poets on 15 February 2018.

### Seminar/Conference Presentations

Inder Jeet chaired a technical session during the National Conference on 'Paradigm shift from Developing to Developed India through Digitalization' organized by Maharaja Surajmal Institute, Guru Gobind Singh Indraprastha University on 29 July 2017.

Deepak Verma presented a paper entitled 'A study of monthly seasonality effect in the Indian stock markets' during the second International Conference organized by Centre for Management Studies, Jamia Millia Islamia University in 2017.

Dhananjaya Singh invited as a keynote speaker and presented his work entitled 'Employability based framework' in a workshop organized by AIACTR, New Delhi.



**Placement details**

Number and percentage of students placed : 200 (60% of the students willing for placement)

Number of companies visited for campus recruitment: 12

Number of companies visited for Internship:16

**Extension and Outreach work:**

Number of camps organized in the surrounding areas:03

Number of people enrolled/covered in the camps:100

Number of students who worked in the camps:50

College NSS unit organized following events "Vidhya Virta Abhiyan" on 2 May 2017 at National Media Center and "Swatchta Pakvada " from 1 to 15 August 2017. Workshop was also conducted in old age home on 15th September 2017.

**Library Development**

Books in stock - 55,664

Internet facilities were upgraded with fully wifi connectivity. Studnets were provided with laptops when need with available e-resources using INFLIBNET facilities. Faculty provided access with e-resources of UGC/INFLIBNET. Library subscribes national and international journals and many news-paper.

**Faculty Strength**

Total number of permanent faculty = 43

Total number of temporary faculty = 1

Total number of ad-hoc faculty = 73

**Financial Allocation and Utilization:**

Grant sanction: Rs. 20,90,50,765/-

Grant utilized: Rs. 19,11,29,806/-

**Other significant information:**

College organized three days Annual Cultural Fest, Tatwa. Hindi department of the college organized "Matribhasha Day" on 21 February, 2018. TEB – The Entrepreneurial Board of college organized Entrepreneurial Fest "NEGOCIO". Aaghaaz – The Women Development Cell of college organized different events such as: Umeed Ki Udaan, NDTV Talk Show, Queer Pride March, Rally on Holi, Study circle on Feminism.

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**DAULAT RAM COLLEGE****Major Activities and Achievement**

Daulat Ram College was accredited with 'A' grade by NAAC and has been awarded with 'Star College Status' by Department of Biotechnology, Government of India. Two new courses, namely, B. Sc. (Hons) Physics and B. A. (Hons) with Physical Education were introduced this academic year. The college infrastructure was upgraded with an introduction of a new Drosophila lab and Psychology resource centre. A Zebra Fish facility was also recently established. The administration section got its facelift too. The college received recognition during the 'Flower Show' held by University of Delhi. College waste is being converted into manure by the college's in-house built Recycling Unit. More than 100 kg paper was recycled by the Recycling Unit in 2017.

**Honours/Distinctions**

College was awarded with the 'Green Campus Award' by the search committee constituted by Women Agency for Generating Employment (WAGE).

College received an 'Award of Appreciation' for participation in the 'SAY NO TO DRUGS' awareness campaign by National Institute of Social Defense Ministry of Social Justice and Empowerment, Govt. of India.

Dr. Savita Roy (Principal) awarded with 'Sanskrit Samaradhaka Samman' from Delhi Sanskrit Academy for her support in the promotion of Sanskrit language.

The hostel garden secured second position in the 60th Delhi University Annual Flower Show organized in 2018.

### Students with Distinctions

Ms. Diskit Chonzom Angmo of B.A. (Hons) English III year awarded with Prof. Madan Mohan Prasad Memorial Prize.

Ms. Tanushree Kashyap of M.A. (Prev.) Music secured I position in University of Delhi.

Ms. Iram Fatima of M.A. (Prev.) Psychology secured II position.

Ms. Cauveri Sharma of M.A. (Final) Psychology secured I position.

Ms. Prerna Joshi of B.Sc. (Hons.) Zoology III year secured I position.

### Publications

Chauhan, N. R., Kapoor, M., Singh, L., Gupta, R. K., Meena, R. C., Tulsawani, R., Nanda, S., Singh, S.B. (2017) Heat Stress induced Neuroinflammation and Aberration in Monoamine levels in Hypothalamus are associated with Temperature Dysregulation. *Neuroscience*, 358, 79-92.

Jyoti, A., Zhang, Z., Balakrishnan, B., Williams, M., Singh, S., Chugani, D.C., Kannan, S. (2017) Trajectory of inflammatory and microglial activation markers in the postnatal rabbit brain following intrauterine endotoxin exposure. *Neurobiol Dis.*, 111:153-162

Malhotra, P., Jain, A., Kathal, R. (2017) Review on biobased mesoporous material and their application in waste water treatment. *Current Trends in Biomedical Engineering and Biosciences*, 4(2): 555-635.

Mehta, S. (2017) Recent Scenario of Criminal Justice and Rehabilitation in India. *International Journal of Current Advanced Research (IJCAR)*, 6(8), 5557-5567. SJIF:5.995.

Rather, S.A., Subramaniam, S., Danda, S., Pandey, A.K. (2018) Discovery of two new species of Crotalaria (Leguminosae, Crotalariaeae) from Western Ghats, India. *PLoS ONE*, 13(2):192-226.

Sharma, K. V. (2017). The structure and semantics in Pāṇinian system of grammar. *International Journal of Sanskrit Research*, 3(4B), 104-108. ISSN: 2394-7519. Impact Factor (RJIF): 5.12.

Sharma, M., Nanda, S., Khanna, R., Khanna, P., Goyal, S. (2017) Quantification of Carbon Footprint and Handprint in the College Campus: A Peek into the Future. *International Journal of Innovative Research in Science, Engineering and Technology*, 6(4).

Sharma, P. (2017) Potential and Performance of FDI Inflows. *India International Journal of Trend in Scientific Research and Development (IJTSRD)*, 1(6): 2456-6470.

Yadav, N. (2018) Impact of our thoughts on Environment. *International Journal of Innovative Knowledge Concepts*, 6 (1): 163-164 (ISBN 2454-2415).

### Journals

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board – 4

### Seminars Organized

National seminar, 'Challenges before Media' was organized in collaboration with Indian Association of Mass Communication on 7 November 2017.

### Conferences Organized

National Conference entitled 'Holistic Yoga: H3 (Health, Happiness and Harmony)' was organized on 10 to 11 November 2017

National Conference entitled 'Psychological Applications and Interventions: Reaching Out and Making a Difference' was organized on 18 to 19 January 2018.

National Conference entitled 'North East: The Untapped Tourism Industry' was organized on 15 to 16 March 2018.

National Conference entitled 'Model United Nations MUN' held during 31 March to 1 April 2018.

### **Seminars/ Conference Presentation**

Deepti Bansal presented a paper entitled 'Bharatvarsha mein sangeet aur parvatana ki paraspar sambhavanayen' in an International Multi-Disciplinary Conference organised by Tourism & Historical Academy of Rajasthan at LBS (PG) College, Jaipur during the month of September 2017.

Bhattacharya presented a paper entitled, 'Globalisation and Decentralisation: Contextualising Development' at an International seminar organized by Kalindi College, University of Delhi from 19 to 20 January 2017.

Gautam and Gautam presented a paper entitled, 'Studies on Anther and Pollen Development in *Melilotus indicus* (L.)' at the 104<sup>th</sup> Indian Science Congress organized by ISCA at S.V. University Tirupati, Andhra Pradesh from 3 to 7 January 2017.

M. Jain presented a paper entitled, 'Nexus between Global Competitiveness and Economic Growth: With Exclusive Reference to India' by FIIB at 3rd International Management Conference on Inclusive Growth, Good Governance, Globalization and Green Future from 19 December 2017.

Tarang Kapoor presented a paper entitled, 'Capability Approach to Human Rights and Democracy' at the International Conference on "Human Rights and Gender Justice" held at Indian Society of International Law on 6 August 2017.

M. Khosla presented a paper entitled 'Morality, Culture and Health' at a seminar held at University of Paris Descartes, Paris France on 28 January 2017.

Monica Prabhakar presented a paper entitled, 'Self and Action in the Bhagavadgita' at the International Conference on "Self: Between Consciousness and Non Being" held at Hokkaido University, Sapporo, Japan, during 13 to 14 May 2017.

Rekha Kathal presented a poster entitled 'Phytoremediation of chromium from Yamuna water by Eichhornia' at the International Conference and outreach programme on "Environment and Ecology: Sustainability and Challenges (ENCON-2017)" organized by Sri Venkateswara College, University of Delhi on 4 to 6 January 2018.

Jyoti Sharma presented a paper entitled 'Tulsi sahitya ka sanskritik adhyayana' in the International seminar organized by PGDAV Evening College, New Delhi in collaboration with Kendriya Hindi Sansthan, MHRD, Bharat Sarkaar, New Delhi during 2 to 3 November 2017.

Kavita Sharma presented a paper entitled 'A Comparative study of Achievement Motivation in sports persons and Non-sports persons of Daulat Ram College' at the International Conference on Sports Medicine and Sports Sciences: SAICON 2017" held at Jawaharlal Nehru Stadium from 7 to 9 December 2017.

Kavita Sharma presented a paper entitled 'Goraksha: Svastha Manav Jeevan ki Vaidic Yojana' at the World Conference on the Vedas held at IGNCA, New Delhi during 15 to 17 December 2017.

### **National/ International MoU's Signed**

MoU signed between Department of Biochemistry and Sanskriti Foundation to promote education and research.

MoU signed between DRC and National Institute of Immunology initiated to promote science.

MoU signed between DRC and Zoology Department, University of Delhi for promoting research activities.

MoU signed between Recycling Unit, DRC and Swalamban initiated to promote recycling of waste on campus.

MoU signed between DRC and Greenobin initiated to recycle paper waste off campus.

### **Placement Details**

Number of students placed: 41

No. of companies visited the college: 6.

### **Library Development**

1428 new books have been added.

### **Faculty Strength**

Total number of faculty members = 188

### Financial Allocation and Utilization

Sanctioned grant: Rs. 382,317,600/-

Grant utilized: Rs. 385,906,245/-

### Other Significant Contribution

College introduced two new courses namely B.Sc. (Hons) Physics and B.A.(Programme) in Physical Education. Two new braille computers and one braille printer has been introduced in the library for the Visually Handicapped students.

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## DEEN DAYAL UPADHYAYA COLLEGE

### Major Activities and Achievements

College achieved a unique distinction of being ranked 13<sup>th</sup> amongst the category of colleges by National Institutional Ranking Framework (NIRF) Survey - 2018 conducted by Ministry of Human Resource Development (MHRD) for the academic year 2017 - 2018. The college for the past six years has been consecutively ranked 8<sup>th</sup>/9<sup>th</sup> in Delhi and between 28 to 42 Pan India in a survey conducted by the India Today Group. The college is a proud recipient of DBT 'Star College Grant' for five departments of our college i.e. Botany, Zoology, Chemistry, Electronics and Mathematics. The year witnessed publications of 55 articles in International, National Journals and Periodicals. Three students have been awarded Ph.D. degree under the guidance college faculty. Two new certificate courses have been introduced, namely, German and Spanish. The pass percentage in the University Examination held in April – May 2017 was 96.6%. Students excelled in extracurricular and sports activities.

### Honours/ Distinctions

Dr. Manoj Saxena elected as a Member of Board of Governors (2018-2020) of IEEE Electron Device Society, USA which has 11,000 members worldwide covering USA, Europe, Asia and Africa.

Dr. Dinesh Kumar awarded with A. Narsinga Rao Memorial Prize in September 2017.

Dr. Sudhir Verma awarded with Summer Research Fellowship-2017 from Science Academies (IASc-INSA-NASI) for undertaking research for 2 months at Goa University, Goa.

Dr. Charu Kalra awarded with 'Meritorious Teacher's Award' by Government of NCT of Delhi for the year 2016-17. The award comprises of a certificate and a cash prize of Rupees 1 Lakh.

Dr. Monika Bansal invited by United States Department for a three-week program 'Furthering the U.S. - India Relationship through Higher Education' from 19 March to 6 April 2018.

### Students with Distinctions

Sneha of B. Sc. (Hons) Zoology II year secured I position in University Semester II Examinations.

Deepti Rawat of B.Sc. (Hons) Zoology III year, Deepika Pawar of B.Sc. (Hons) Zoology II year and Aryaditi Jena B.Sc. (Hons) Zoology II year were awarded with summer research fellowship by Indian Science Academies. Successfully completed summer internship and laboratory research experience from Centre for Science Education and Communication (CSEC), University of Delhi.

Aman Saini of B.A. (Hons) III year brought laurels to the college by securing 16<sup>th</sup> position in Archery World Cup, Berlin held from 8 to 13 August 2017; 3<sup>rd</sup> position in Indian Archery team Asia Cup Stage-2 World Ranking Archery Tournament, Manila Philippines held from 5 to 12 April 2018; two Gold medals and one Bronze medal in All India Inter University Archery Championship, KIIT, Bhubaneswar held from 25 to 29 December 2017; and 1<sup>st</sup> position in Inter College Tournaments of University of Delhi for the session 2017-18 in individual category of Archery Tournament.

Himanshu Sharma of B. Com. (Hons) III year secured II position, Vishakha Sharma of B.Sc. (Hons.) Zoology II Year and Vinod Yadav of B.Com. (Hons) II year secured III position in Delhi State Fencing Competition.

### Publications

Ajay, R., Narang, M., Saxena, M., Gupta. (2017) Modeling and Simulation Investigation of Sensitivity of Symmetric Split Gate Junctionless FET for Biosensing Application. *IEEE Sensors Journal*. Vol. 17 (15): pp. 4853-4861, doi: 10.1109/JSEN.2017.2716102

- Bhatia, V., Bhattacharya, R. (2018) Host mediated silencing of cuticular protein gene impaired fecundity in green peach aphid *Myzus persicae*. *Pest Management Science*, Wiley Online Library, doi: 10.1002/ps.4900
- Das, P., Kumar, P., Kumar, K.M., Solanki R., Kapur M.K. (2017) Bioprospecting Xylanase Enzymes from Diverse Ecological Habitats. *International Research Journal of Natural and Applied Sciences*. 4:328-362.
- Goyal, A., Khatria, I., Singh, A.K., Sharma, R., Mohan, M. (2017) X-ray diffraction patterns and diffracted intensity of  $K\alpha$  spectral lines of He like ions. *Radiation Physics and Chemistry*, 138: 16-21.
- Jain, H.C., Tiwari, H.N. (2017). Basics of Computer Application in Business. *Taxmann Publications*, Delhi, ISBN 9789386635334.
- Mehra, Y.S. (2017) Study of Monetary Policy Transmission Mechanism in Developed and Developing Countries. *Asian Journal of Research in Business Economics and Management*, 7(5):1-18.
- Mehra, Y. S. (2017) Awareness of Risk Management Practices System in Indian Commercial Banks – A Perception based Analysis. *Asian Journal of Research in Business and Finance*. 7(5):1-12.
- Narang, R., Saxena, M., Gupta, M. (2017) Analytical Model of pH sensing Characteristics of Junctionless Silicon on Insulator ISFET. *IEEE Transactions on Electron Devices*. 4(4): 1742 - 1750, doi: 10.1109/TED.2017.2668520.
- Kapoor, S.V. (2017) Introductory Macro Economics. *Taxmann Publications Pvt. Ltd.*, ISBN : 9789386882592.
- Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Nayyar, N., Puri, A., Singh, Y., Khurana, J.P., Lal, R. (2017) Genome Organization of *Sphingobium indicum* B90A: An Archetypal Hexachlorocyclohexane (HCH) degrading genotype. *Genome Biology and Evolution*. 9(9): 2191–2197.

### Research Projects

- Dr. Jyoti, project funded by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Departments entitled ‘Solution-based synthesis of graphene quantum dots and study of the photoluminescent emission property’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.
- Dr. Kapil Bohra, project sanctioned by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Department entitled ‘Facile Access to Nucleobase modified Nucleosides Via Diels-Alder Reaction’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.
- Dr. Sunny Manohar, project sanctioned by UGC – BSR start-up grant for newly recruited faculty at Assistant Professor level in Science Departments entitled ‘Magnetically Active Ionic Liquids: Design, Synthesis and their Application in Organic Transformations’ from 2017-18 for a sanctioned amount of Rs 6 lakhs.

### Patents Filed/ Granted

- Dr. Sunny Manohar co-authored an Indian patent.
- Diwan S. Rawat, Sunny Manohar, Ummadisetty Chinna Rajesh “Aminoquinoline based hybrids and uses thereof” Indian Patent Application 661/DEL/2012 (Patent No. 283657; Date of Certificate Issue: May 29, 2017).
- Dr. Sunny Manohar co-authored a US patent.
- Diwan S. Rawat, Sunny Manohar, Ummadisetty Chinna Rajesh, Deepak Kumar, Anuj Thakur, Mohit Tripathi, Panyala Linga Reddy, Shamseer Kulangara Kandi, Satyapavan Vardhineni, Kwang-Soo Kim, and Chun-Hyung Kim; “Aminoquinoline derivatives and uses thereof”; United States Patent US9567316B2 (2017).

### Seminars Organized

- UGC Sponsored National Seminar, ‘A Trend Towards Machine Learning: Techniques and Applications’ organized from 26 December 2017 to 01 January 2018.
- National Seminar sponsored by ICSSR, ‘Contemporary Strategies for Sustainable Development: Marketing and HR’ organized on 10 November 2017.
- Seminar, “Women in Science Panel: A Career in Science”, Indian Academy of Sciences supported Second Lecture held during 10 and 11 August 2017.
- Seminar, DST sponsored ‘Trans-disciplinary Areas of Research and Teaching by Shanti Swaroop Bhatnagar Awardees’ held during 15 and 16 September 2017.
- National Seminar, ‘Indian Political Thought’ organized during 26 October 2017.

### **Seminar/ Conference Presentations**

Ankit Rajpal presented paper entitled 'Fast digital watermarking of uncompressed colored images using bidirectional extreme learning machine' at the "International Joint Conference on Neural Networks" held at Alaska, USA from 14 to 19 May 2017.

Rakesh Kumar presented a paper entitled 'Dynamic Linkages of Indian stock market with the world equity market-An empirical study' at the National conference organized by Galgotia University, Greater Noida during 27 and 28 April 2017.

Rakesh Kumar presented a paper titled 'Risk, Uncertainty and Stock Returns of Emerging Equity Markets' at the 14<sup>th</sup> International Conference on "Developments in Economic Theory and Policy jointly organized by University Del Pais Vasco, Spain and University of Cambridge UK during 29 and 30 June 2017.

R.M. Bharadwaj presented a paper entitled 'Religious Ethics in Deed: Revisiting the Welfare Centric Projects of Four Buddhist Emperors in South and South-east Asia between the 3rd Century B.C.E. – 12th Century C.E' at the International Conference on "Buddhism: Traditions, Ideologies and Dissent" at the School of Buddhist Studies and Civilization, Gautam Buddha University, Greater Noida, UP held on 7 to 9 September 2017.

Manoj Saxena presented a paper entitled 'Fundamental Insights into Channel and Gate Engineered Double Gate Junction-Less Transistor for Low-Voltage Low-Power Analog and Digital Circuits' during the DAICT conference organized by ED/SSC Gujarat, India on 14 April 2017.

Manoj Saxena presented a paper entitled 'Research opportunities in Electron Devices' in the "CAS/EDS Research Forum" organized by IEEE Joint chapter of CAS/ED Societies, Hyderabad Section on 02 July 2017.

Manoj Saxena presented a paper entitled 'Modeling and simulation of Gate Electrode Engineered Double Gate Junctionless Transistor' at the "IEEE MQ" conference organized by Heritage Institute of Technology, Kolkata on 21 July 2017.

Chimat Ladol presented a paper entitled 'An Ever-Missing Human Security: A case of the Palestinians' during the 7<sup>th</sup> Istanbul "Human Security Conference", held at Istanbul, Turkey from 18 to 20 October 2017.

Varnika Bhatia presented a paper entitled 'Assessment and conservation of Indian Ephedra species through DNA barcoding: a review' during the XXVII "Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges" organized by Department of Botany, University of Delhi from 10 to 12 November 2017.

S. Kumar presented a paper entitled 'Agro-morphological Study on Induced Mutants and Mutant Hybrids in Lentil (*Lens culinaris* Medik)' during the XXXX All India Botanical Conference & National Symposium on "Evaluation and Conservation of Plant Germplasm" held at Punjabi University, Patiala from 15 to 17 September 2017.

### **National/ International MoUs Signed**

In order to organize Faculty Development Programs for teachers on cutting edge technologies, the college has signed a MoU with ICT Academy, a non-profit Government supported organization.

### **Placement Details**

Number of students placed = 70

Number of companies visited the campus = 5

### **Extension and Outreach Activities**

Ten NSS volunteers of the college participated in the second International Day of Yoga organized by NSS center, University of Delhi, and welcomed the Queen of Thailand and foreign dignitaries on 17 July 2017. Further, NSS unit organised a Blood Donation Camp in collaboration with Red Cross Society in the college premises and a total of 121 blood units were collected on 14 September 2017. In collaboration with the Chief Electoral Officer, a special camp was organized under the special summary revision of the Electoral Roll for inclusion of eligible young citizens in the voter list. Activities such as craft making for differently abled and swachta awareness were carried out in collaboration with organisations like Masoom Duniya. On the occasion of 'National Girl Child Day', office of the District Magistrate/Dy. Commissioner, South West Delhi organized a panel discussion with eminent personalities.

### **Library Development**

The college library is fully air-conditioned and spread over three floors. Library has an up-to-date bibliographic database of books and journals. The library has a total collection of 44629 volumes of text-books and reference books. 70 journals and different magazines of national and international repute in all the relevant subject areas have been subscribed. It has 613 bound volumes of journals and 834 CDs in its collection. The library also provides book-bank facility to students belonging to SC/ST/OBC categories and other economically poor and meritorious students of the college. Through the university dedicated fiber-optic link, the library has access to as many as 50,000 subscribed e-journals and more than 2 lakh e-books. The entire college campus including the library and the hostels are wi-fi enabled to provide 24x7 seamless access to information remotely from anywhere in the campus.

### **Faculty Strength**

Total number of permanent faculty = 93

Total number of ad-hoc faculty = 26 + 2 (against leave vacancy)

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 35,38,36,733/-

Grant utilized: Rs. 29,90,99,208/-

### **Other Significant Information**

To inculcate nationalism and cultural awareness among our students, an audio-visual presentation on the Culture and Tourism of Sikkim was organized on 22 January 2018 under the “Ek Bharat Shrestha Bharat Program” of Government of India. The rich cultural heritage and lifestyle of one of the most prosperous state of north-east India was depicted through various dance forms of Sikkim such as Maruni dance, Bhutanese dance and Ranka dance. The program was also aired on DD National under the flagship of ‘Good Evening India’ on 5 February 2018.

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## **DELHI COLLEGE OF ARTS AND COMMERCE**

### **Major Activities and Achievements**

College observed its International Yoga Day on 21 June 2017. Birth anniversary of ‘Father of the Nation’, Mahatma Gandhi was commemorated as ‘Swachh Bharat Abhiyaan’ with a marathon cleanliness drive being organized in the campus. Several academic and cultural activities were also organized during the occasion. Birth anniversary of Swami Vivekananda was also celebrated as ‘National Youth Day’. A lecture was delivered by Mr. Manas Bhattacharya of Vivekananda Foundation, New Delhi on the occasion. 127<sup>th</sup> birth anniversary of Bharat Ratna, ‘Dr. B.R. Ambedkar’ was marked with a lecture of Prof. Pramod Kumar of IGNOU, New Delhi. Students attended a lecture of the Honourable President of Germany. Dr. Anita successfully completed her Ph.D. program and was awarded her degree by University of Delhi. Two Ph. D. students are working towards their Ph.D. program under the supervision of Dr V. B. Singh.

### **Honours/Distinctions**

Dr. Deepti Taneja received the “Most Admired Teacher Award” by the Worldwide Achievers Pvt. Ltd. on 27 March 2018 for the outstanding contribution in the Education Sector.

Ms. Renu Sharma awarded with a scholarship by University Wuppertal of Germany under the programme “GIP” (Germanischen Institut Partnerschaft) funded by DAAD.

### **Students with Distinctions**

Mr. Shourya Pratap Rathee represented the college and University of Delhi at the World University games held at Taipei, (Chinese Taipei) from 19 to 30 August 2017.

Mr. Kunal Sejwal, Mr. Bhupender Bhargwava and Mr. Sumit Parashar secured different positions in 5<sup>th</sup> South Asian Judo Game 2018 held at district sports centre, Kanchanpur, Nepal from 29 to 31 January 2018.

## Publications

- Bharti S. (2018) Canadian Indigenous Women's Civil and Political Rights: Prospects and Challenges *Human Rights: International Research Journal* 6:161-164
- Garg, A. (2017) E-entrepreneurship in Indian education sector. The Next Big Thing'. *Journal of IPEM*, 11:15-45.
- Kapoor, N. (2018) Personal Selling and Salesmanship, *Pinnacle Learning*, New Delhi, (ISBN: 938-38-4842-1)
- Mahapatra, A. (2017) (Co-edited and partly translated) Natabar Odia Literary Criticism Sahitya Akademi. *Natabara Samantaray: A Reader*. New Delhi, Sahitya Akademi (ISBN 978-81-260-5340-7)
- Saksena, S., Deb, M. (2017) Economic Growth and Human Development in Indian States after two decades of Economic Reforms. *Indian Journal of Economics and Development* 13(2):269-280
- Sharma, DAP. (2017) BHARTEEY SAHITYA (Hindi), Sahitya Academy (Academy of Letters), India *उन्मुक्तगगनकेकवि: शिवमंगलसिंहसुमन*. 193:11-18.
- Sharma, DAP. (2017) Promoting Culture of Tolerance and Peace: the Role of International Literature in University Curriculum Annual academic international conference of International. *Association for Silk Road Studies University of Humanities & Social Sciences, Ho Chi Minh City Viet Nam*.
- Singh, B. (2017) SDGs and decent work agenda: A Path for inclusive growth in India. *Review of Professional Management*, X 15(1):12-36.
- Singh, V. B., Sharma, M., Tandon, A., Kumari, M. (2017) Reduction of Redundant Rules in Association Rule Mining-Based Bug Assignment. *International Journal of Reliability, Quality and Safety Engineering*, 24(06):14-16.

**Number of college teachers serving as Editor(s)/Member(s) of Editorial Board = 2**

## Research Projects

Mr Bir Singh, project funded by National Coalition for Education, entitled 'A study on Funding Public Education in India' from August to December 2017 for Rs. 15,000.

## Seminars Organized

Faculty Development Programme organized by the Department of English on 'Autobiography' in collaboration with the English Department, University of Delhi on 10 November 2011.

Seminar, 'Dissensio' organized on 14 March 2018.

## Seminar/Conference Presentations

Neeru Kapoor presented a paper entitled, 'Mobile Application Based Shopping in India: Factors and Variables Guiding its Growth' at the 6th Annual "International Commerce Conference 2018", organised by the Department of Commerce, Delhi School of Economics, University of Delhi, from 11 to 12 January 2018.

Neelam Yadav presented a paper entitled 'Dervla Murphy's Full Tilt from Ireland to India with a Bicycle: Contesting the Myths of Travel Writing', at an International Conference organised by OP Jindal Global University on 24 and 25 January 2018.

Animesh Mahapatra presented a paper entitled "Intercultural Genealogies: A Study of an Early Multilingual Comparatist" at an international conference on "Purifying the Dialect of the Tribe: Cross-cultural Concerns in Colonial and Postcolonial India" organized by IIAS, Shimla from 17 to 19 May 2017.

Santosh Bharti presented a paper entitled 'Canadian Indigenous Women's Civil and Political Rights: Prospects and Challenges' at the International Conference on "Human Rights, Gender Studies, Law and Social Sciences", organized by International Multidisciplinary Research Foundation, Chandigarh from 22 to 24 February 2018.

Shalini Saksena presented a paper entitled, 'Trends and Determinants of Employment Intensity in the Indian Food Processing Industry Conference on Economic Theory and Policy' held at Ambedkar University, Delhi, from 09 to 10 March 2018.



Navneet Manchanda presented a paper entitled, 'Changing Priorities from Health Care to Health Cover: A Boon or Boondoggle for the Poor in India' in the annual meeting organized by Population Association of America, Denver, Colorado, USA, from 22 to 26 April 2018.

Tamanna Khosla presented a paper entitled, 'The issues of social justice in higher education: A feminist perspective' during the 9th international Conference organized by Munshi Raghunandan Prasad Sardar Patel Mahila PG College Barabanki, UP in collaboration South Asia Management Association from 27 to 29 January 2018.

### **Placement Details**

Number and percentage of students placed = 201 (38%)

Number of companies visited campus for recruitment = 10

### **Extension and Outreach Activities**

Cleanliness drive in the college campus, an awareness drive on the importance of cleanliness and hygiene in the slum adjoining ARD Enclave and N.P Primary School Netaji Nagar were the activities conducted in August 2017. Aiming at improving knowledge and to impart education to the underprivileged kids around the college through project 'TanZeal' was launched.

### **Library Development**

Library has a collection of about 58,407 books, 30 magazines and journals and 15 newspapers. Subscription for N-LIST & DELNET membership to access e-resources was successful. E- library to access e- resources through N-LIST & DELNET membership was established. Library updated its version of NETTLIB with WEB OPAC (LIBWARE). Access to the library is now also available for the students and teachers through WEB OPAC. Screen display was also installed for the students in order to check the issue/return transition of books. A book-bank facility for economically weaker section of the students was established.

### **Faculty Strength**

Total number of faculty = 93

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 26,10,25,000.00/-

Grant utilized: Rs. 21,14,69,000.00/-

### **Other Significant Information**

In collaboration with Mahila Aayog of Delhi Police, a self defence workshop was organised on 24 October 2017 to sensitize girls to safeguard themselves. NSS Unit of the college, in collaboration with Grapevine, organized a panel-discussion on "Gender Based Violence" on 17 September 2017. Bhatia, a life coach; Dr. Surabhi Dhingra, the President of Poschea and Mr. Onkar, a social entrepreneur. In association with 'WOMANITE', the NSS unit organized a special lecture of an eminent scholar and activist, Ms. Kamla Bhasin, entitled 'Motivating the Youth to change the Patriarchal System' on 12 April 2018.

## **DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH**

### **Major activities and achievement**

The college faculty were actively involved in research and teaching and have several publications to their credit. Events such as Pharmacist Day, Saraswati Puja, Sports Day, Freshers Day, Teacher's Day, Annual Day and Independence Day along with industrial tours, conferences, workshops were organized through out the year. These gave an insight to the students for their overall growth.

### **Honours /Distinctions**

The college was ranked 19 out of 286 entries in Pharmacy by National Institutional Ranking Framework (NIRF) MHRD, Government of India and was placed at the 12<sup>th</sup> position as per graduation outcome and 11<sup>th</sup> in Public Perception

Awarded with 'The Best Pharmacy College' in India by Centre for Education Growth and Research

DIPSAR was aired live on 'DD National Channel' during the "National Pharmacy Week".

### Student distinctions

Ms. Himanshi Prashar received the “Fbb colors Femina Miss India” award during 2018 in Uttar Pradesh.

Mr. Pankaj Gupta secured all-India 11 rank in GPAT-2018. A total of 49 students could clear their GPAT 2018 from DIPSAR.

Ms. Pooja Pithambaran of B. Pharm. IV year, got selected in the cultural team by the cultural council of University of Delhi and represented DIPSAR at the prestigious Edinburgh Fringe Festival.

### Publications

Agarwal, U., Pathak, D.P., Bhutani, R., Kapoor, G., Ravikant, S. (2017) *Camellia sinensis* – Nature’s Gift. *International Journal of Pharmacognosy and Phytochemical Research*. 9: 1119-1126.

Anand, K., Wakode, S. (2017) Development of drugs based on Benzimidazole Heterocycle: Recent advancement and insights. *International Journal of Chemical Studies*. 5: 350-362.

Bajaj, S., Wakode, S. (2017) Pharmacognostical evaluation and anthelmintic activity of *Swertia alata* Royle. *International Journal of Pharmaceutical Sciences and Research*. 8: 3315-3324.

Chauhan, M.K., Yadav, R.P. (2017) A Review: Chitosan as 3D matrix for tissue engineering, *International Journal of Research in Pharmacy and Pharmaceutical Sciences* 2: 66-69.

Latha, S., Chaudhary, S., Ray, S.R. (2017) Hydroalcoholic extract of *Stevia rebaudiana* leaves and stevioside ameliorates lipopolysaccharide induced acute liver injury in rats. *Biomed Pharmacother*. 95:1040-50.

Nawaj, S., Bodla, R., Kant, R., Singh, S.P., Bhutani, R., Kapoor, G. (2017) Fluoroquinolone as antimicrobial agent: A Review. *Int. Journal of Pharmaceutical Science and Research*. 2:57-63.

Parle, A., Singh, G. (2017) Synthesis, Characterization and Biological Evaluation of Novel Isonicotinic Acid Hydrazide Derivatives. *European Journal of Biotechnology and Bioscience*. 5(3): 21-27.

Soni, D., Gupta, S.K. (2017) Cardioprotective Effects of Rutin via alteration in CK-MB and TNF- $\alpha$  Levels Coupled with antioxidant Effect in Isoproterenol Induced Myocardial Necrosis in Rats. *Indian Journal of Pharmaceutical Science & Research* 7:12-17.

Vishnoi, H., Bodla, R., Kant, R. (2018) Green tea (*Camellia Sinensis*) and its antioxidant property: a review. *International Journal of Pharmacognosy*. 1:123-135.

Wakode, S., Tonk., R. K. (2018) *Feronia Limonia*- A Wonder Drug. *Amin H, World Journal of Pharmacy and Pharmaceutical Sciences*. 6: 1982-1994.

### Research Projects

Dr. Rajani Mathur project funded by ICMR entitled ‘Impact of EMF radiation from mobile handsets on brain glucose transporters: an experimental study’ during 2017-2020 for Rs 34 lakhs.

Dr. S.K. Gupta and Dr. Rajani Mathur, project funded by Novartis entitled ‘Role of DPP-4 inhibitor in the management of Cardiomyopathy in streptozotocin induced experimental diabetes’ during 2017-2019 for Rs 20.5 lakhs.

Dr. Rajani Mathur, project funded by DBT entitled ‘To study the Intestinal Fructose Transport (via GLUT2) & GLUT5 transporters in Rodent Model of Fructose Induced Childhood-Overweight/Obesity and Investigate the Preventive Potential of Medicinal Plants Therein’ during 2014-2017 for Rs 38 lakhs.

Dr. Meenakshi Chauhan, project funded by DST entitled ‘Rivastigmine loaded NLC integrated scaffold for Parkinson and Alzheimer associated Dementia’ during 2015-2018 for Rs 20.54 lakhs.

**Patents Filed/granted:** Two filed (Indian Patent Office)

Patent entitled, ‘Novel Pyrazinoyl Carbohydrazide derivatives, process for the preparation and uses thereof’ of Ms. Ruchita, Dr. Sanju Nanda, Dr. Dharampal Pathak with Patent Application No. 201711016325A and Publication Date: 02/06/2017.

Patent entitled, ‘A multilayered Decontamination Composition. Inventors’ of Dr. Navneet Sharma, Dr. Bhupendra Singh Butola, Dr. Dharampal Pathak, Dr. Mitra Basu, Dr. Himanshu Ojha, Dr. Rakesh Kumar Sharma with Patent Application No. 201711037099.

### Conference Organized

International Conference entitled 'Challenges for Global Competitiveness of AYUSH and Natural Products and IASTAM Oration & Award Function 2018' was organized in collaboration with DPSRU.

### Seminar/Conference presentations

MK Chauhan presented a paper entitled 'Clomipramine and Venlafaxine Multilayered Matrix Tablets in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

Chauhan presented a paper entitled 'Emerging trends of Nanotechnology in Health Care System in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

MA Singh presented a paper at National Seminar entitled 'Nanomedicine and Nanotechnology in Health Care' held at Apeejay Satya University, Gurugram on 17 February 2018.

Jayachandran Nair presented a paper entitled 'Simultaneous HPTLC determination of Rutin, Quercetin and Gallic Acid from medicinal plants' at the "International Conference on Challenges for Global Competitiveness of AYUSH and natural products at the IASTAM oration and award function at DPSRU, New Delhi held from 2 to 4 February 2018.

S Khurana presented a paper entitled 'Emerging trends in Transdermal Drug Delivery Systems in Recent Advances in Pharmaceutical Sciences and Health', at Jamia Hamdard, New Delhi on 26 February 2018.

R Mathur presented a paper entitled "Butanol fraction of hydroalcoholic extract of leaves of *Aegle marmelos* fares better than Metformin, Pioglitazone or Rutin in ameliorating fructose induced insulin resistance in HepG2 cells" at the 63rd Annual National conference of Association of Physiologists and Pharmacologists of India, at JIPMER, Puducherry from 12 to 14 October 2017.

PK Sharma, presented a paper entitled, 'Deciphering the role of Rivastigmine scaffolds' for Parkinsonism dementia, during the "22<sup>nd</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON)" held at Lloyd Institute of Management & Technology, Noida on 24 March 2018.

PK Sharma presented a paper entitled 'Exploring Integrated Topical Scaffold Patch System' during the "Recent Advances in Pharmaceutical Sciences and Health" organized by Jamia Hamdard, New Delhi on 26 February 2018.

PK Sharma presented a paper entitled 'Nanomedicine and Nanotechnology in Health Care' during a National Seminar organized by Apeejay Satya University, Gurugram on 17 February 2018.

A Parle presented a paper entitled 'Synthesis, Characterization and Evaluation of Novel 2-Aryl Benzothiazole Derivatives as Potential Antifungal Agents' in "APTICON" held at LOYYD institute of pharmacy, NOIDA on 24 March 2018.

### Placement details

Number & percentage of students placed: 25 (80% placed among students enrolled for placements, other students opted for higher studies)

No of companies visited for placement: 25

### Extension and outreach activity

A 'Pulse Polio Immunization Programme' was organised during the academic session.

### Number of Ph.D. awarded

03 provisionally awarded

### Faculty Strength

Number of Permanent faculty = 11

Number of Contractual appointments = 04

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## DESHBANDHU COLLEGE

### Major activities and achievements

Students of the college represented World University Games 2017 in archery and weight-lifting and the team could win the inter-college weight-lifting championship for the year 2017-18. The college team secured III position in the yoga competition organised by DUSC. Students of the college were recipients of 33 golds, 28 silver and 35 bronze medals in various state and national games meet during the academic meets 2017-18. In the field of sciences and humanities, several faculty members received prestigious fellowships, honours and recognitions. Dr. Dharmendra Kumar Mallick was selected as ‘*Plantae Fellow*’ (2017-18) by the prestigious American Association of Plant Biology (ASPB) and also been nominated as a member of “Botanical Society of America”. Dr. I. K. Singh is conferred upon “Best Researcher Awards 2017” for outstanding contribution in research from ‘Grace India Educational Charitable Trust’.

### Honours/Distinctions

Dr. Arati Barua conferred upon “Mother Teresa Global Award for excellence” by the India International Friendship Society (IIFS) in the year 2017. She was also selected as a member of International Network for Women Philosophers, sponsored by UNESCO.

Dr. Dharmendra Kumar Mallick selected as a “*Plantae Fellow* (2017-18)” of prestigious American Association of Plant Biology (ASPB) and nominated as a member of prestigious Botanical Society of America.

Dr I. K Singh conferred upon “Best Researcher Awards 2017” for outstanding contribution to research from Grace India Educational Charitable Trust New Delhi.

Dr. Krishnan Unni P. delivered prestigious P.K. Rajan Memorial Lecture at the Senate Hall, Thiruvananthapuram on 5 July 2017.

### Students with Distinctions

Mr. Kamal Sagar represented at the World University Games 2017 in Archery.

Mr. Siddhant Shukla, Mr. Ravi Kumar and Mr. Joseph received gold medal at Delhi state archery contest in various categories.

SUO Varun Pratap Singh represented Indian delegation to Kazakhstan. He was also commended by the DGNCC Lt. Gen Vinod Vashisht for his exemplary performance.

CHM Harish Singh Mehta represented Indian delegation to Sri Lanka.

CDT Rajneesh received bronze medal in the All India ThalSainik Camp 2017.

### Publications

Krishnan, P. (2017) Addressing the Nation State and Unseen Passages in Arundhati Roy’s The Ministry of Utmost Happiness. *Journal of Literature and Aesthetics*. 17(1):7-20.

Kayesth, S., Shazad, M., Kumar, S., Gupta, K. K. (2017) Effect of ethanol extract of *Catharanthus roseus*, *Ocimum sanctum* and *Lantana camara* on fecundity and fertility of red cotton bug, *Dysdercus koenigii* fabricius (heteroptera: pyrrhocoreidae). *Journal of Entomology and Zoology Studies*. 5(4): 348-353.

Nadeem, A. (2017) Health shock, catastrophic expenditure and its consequences on welfare of the household engaged in informal sector. *Journal of Public Health*. 25(6): 611–624

Nadeem, A. (2017) Degree and Pattern of Regional Heterogeneity in Child health: a Principal Component Analysis Approach. *International Journal of Socio-legal Analysis and Rural Development*. (3): 2455-4049.

Pathak, N., Prajneshu, M., Kumar, L., Ramlal, A. (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. *DU Journal of Undergraduate Research and Innovation*. 3(1): 50-56.

Sharma, R.K., Sharma, S. (2017) Seed longevity, germination and seedling vigour of *Rheum australe* D. Don.: A step towards conservation and cultivation. *Journal of Applied Research on Medicinal and Aromatic Plants*. 5(1): 47-52.

Singh, A., Singh, I. K. (2018) Molecular Aspects of Plant Pathogen” (ISBN 978-981-10-7371-7)

Yadav, N., Pandey, A. K., Bhatnagar, A. K. (2017) Temperature regulated seed germination in *Acer oblongum* Wall. Ex DC. (Sapindaceae) – A threatened Himalayan species. *Pleione*. 11(1): 10-15.

### **Seminars organized**

Seminar, 'Dream to Achieve - Victory over Cancer' delivered by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi, South Campus on 27 March 2017.

Seminar, 'Introduction of Epigenetics and Human Diseases' delivered by Dr. Ashok Sharma, Assistant Professor and Faculty-in-Charge, Division of Neurobiochemistry, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi on 25 October, 2017.

Seminar, 'Importance of Conducting Polymers' delivered by Dr. S.K. Dhawan at "Resonance 2017" on 14th September 2017.

Seminar, 'GST-An enriching session on the newly introduced tax reform' delivered by Prof O.P Sharma, Director at ICFAI Business School in the month of November 2017.

### **Seminar/Conference Presentations**

Ranjana Seth presented a paper entitled 'Sperm behavior as a key tool ensuring operative efficiency of radio-genetic [ $F_1$  Sterility technique] for population suppression of an economically serious Indian pest, *Spodopteralitura* (Fabr.) (Lepidoptera: Noctuidae) in lab and field simulated cages' at 3rd FAO-IAEA International Conference on "Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques" held at Vienna, Austria from 22 to 26 May 2017.

Mohd Shazad presented a paper entitled 'An eco-friendly approach for the management of *Aedes aegypti* by *Ocimum sanctum*' at the "19<sup>th</sup> International Conference of Entomology 2017", held at Paris, France from 19 to 20 October 2017.

K. K. Gupta presented a paper entitled 'Bioefficacy of *Catharanthus roseus* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae)' at the 19<sup>th</sup> "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Varsha Baweja presented a research paper entitled 'Interaction of *Steinernemaglaseri*, an entomopathogenic nematode with a predatory fungus *Arthrobotrys superba* on different nutrient media' at the 19<sup>th</sup> "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Pavitra Sharma presented a research paper entitled 'Influence of temperature on the development and feeding activity of southern green stink bug *Nezara viridula* (Heteroptera: Pentatomidae)' at the 19<sup>th</sup> "International Conference of Entomology 2017" held at Paris, France from 19 to 20 October 2017.

Nadeem Ahmed presented a paper entitled 'Health Shock and its effects on Welfare of the Household' at an International Seminar on "New Paradigm of Economic Development: social and environmental dimension" organized by DAAD, Germany held at JNU, from 4 to 8 December 2017.

### **Placements Details**

Number of percentage of students placed: 80%

Number of companies visited for campus recruitment: 17

### **Extension and outreach Activities**

Cleanliness Drive and Workshop on Vector Borne Disease Control was organised by NSS unit. A self defence programme was also organised by NSS unit for girls. A workshop on "road safety" was also organised to provide physical training to the volunteers about the know-how of managing victims of a road accident.

### **Library Developments**

Library organised orientation programme for new batch of students at the start of the academic session. College library received 'BEST MANAGED LIBRARY AWARD 2017' by the Confederation of Indian Universities, Indian Institute of Ecology and Environment and National Institute of Cleanliness Education and Research. Library upgraded with LSease library software and OPAC from LSease LMS to Web Centric LSease (EJB) LMS. 2346 new books were added in the library collection.

**Faculty strength**

Number of permanent faculty = 121

Number of ad-hoc faculty = 83

**Financial allocation and Utilization:**

Grants Sanctioned: Rs. 58.00 Crores

Grants Utilized: Rs. 42.85 Crores

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**Dr. BHIM RAO AMBEDKAR COLLEGE****Major Activities and Achievements**

College was selected as a premier regional-cum-study centre to facilitate undergraduate teaching for School of Open Learning (SOL) students and also for girl students of Non-Collegiate Women's Education Board (NCWEB), University of Delhi. The college in collaboration with North-East District Administration of GNCTD organized an awareness programme under Digital India initiative. 'Best Field Worker Award 2017' was introduced this year by the Department of Social Work. College constantly encourages students to generate innovative ideas and also towards entrepreneurial initiatives. The college in association with the All India Women's Education Fund Association (AIWEFA) organized a workshop on 'Cyber Security' in relation to virtual world and also organized an awareness programme on understanding the distinct ethnic and regional cultural identities of people particularly from the north-east area collaboration with DLSA (Shahdara).

**Students with Distinctions**

Mr Shubham Shrivastav received 1<sup>st</sup> prize in Master of Ceremonies Competition.

Mr. Jawan Singh participated in National Integration Camp at Rajkot (Gujarat) from 24 August 2017 to 4 September 2017.

Mr. Prashant Bharti participated in the CATC-I from 14 to 23 October 2017 and got selected as a best shooter during the firing competition that was held at the camp.

Mr. Akshay Kumar Gautam, CDT Manish Kumar and CDT Akashy Kumar got selected in P.M. RALLY.

**Publications**

Das, B.M. (2017) Researching critical reflection: Multidisciplinary perspectives, *Journal of Social Work*. 17:626-629.

Das, B.M. (2017) Revisiting Eight Decades of Social Work Education in India, *Asian Social Work and Policy Review*. 11:66-75.

Dwivedi, R.P. (2017) Portrayal of Environment in Cinema: A Comparative Study of 'Patherpanchali' & 'Dreams'. *International Journal of Humanities and Social Science Research*. 3:45-48.

Kumar, N. (2017) Self-esteem and its impact on performance. *Indian Journal of Positive Psychology*. 3:19-22.

Manish, K. (2017) Elevational plant species richness patterns and their drivers across non-endemics, endemics and growth forms in the Eastern Himalaya. *Journal of Plant Research*. 130; 829-844.

Prasad, R. (2017) Flood Occurrences in Lower Gandak River Basin and its Estimation at Lalganj, Dumariaghat and Tribeni in Bihar. *The Horizon: A Journal Social Sciences*. 2:33 - 49.

Bhardwaj, T. (2017) Non-pharmacological interventions for management of fatigue among children with cancer: systematic review of existing practices and their effectiveness, *BMJ Supportive & Palliative Care*. 7:404-414.

Ravi, R.S. (2017) Psycho-Social precipitants to protest: A social identity perspective, *International Journal of Academic Research and Development*. 2:1-5

**Journals**

Published by the College: One, namely, Academia

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 03

### **Seminars Organized**

Seminar, 'Autonomy of Education: Challenges and Solutions' held at the Convention Centre, Jawaharlal Nehru University, New-Delhi on 23 and 24 February 2018.

Seminar, 'Indian Social Work: Scope and Challenges' held at Dr. Bhim Rao Ambedkar College, on 14 and 15 March 2018.

### **Conferences Organized**

10<sup>th</sup> International Conference entitled 'Strategies for Promoting Inclusive Development' in collaboration with South Asian Management Association held at V.B.Patel Chest Institute, University of Delhi during 17 and 18 March 2018.

### **Seminar/Conference presentations**

Rakesh Shahani, co-presented a paper entitled 'Co-Movement Dynamics of the stock index returns of the BRICS nations: An Empirical Investigation' during the "2<sup>nd</sup> International Finance Conference" held at Centre for Management Studies, Jamia Millia Islamia held on 11 October 2017.

R.N. Dubey presented a paper entitled 'Adoption of Climate Change Through Sustainable Urban Planning in India' in the National Seminar on "Adaptation and Implementation of Paris Agreement: National Initiatives Towards Climate Mission" held at SBSC, University of Delhi on 21 and 22 April 2017.

Avtar Singh presented a paper entitled 'Social Exclusion and Atrocities on Dalits: Violation of human rights' during the 5<sup>th</sup> Indian Social Work Congress on "Social Work Profession and Social Realities Response and Ripostes" held at Shree Sankarcharya University of Sanskrit, Kalady on 10 to 12 November 2017.

Jaya Varma presented a paper entitled 'Mahayanic Way of Life' during the National Seminar organized by Satyawati College (Eve.), University of Delhi on 15 September 2017.

Ravi Shankar presented a paper entitled 'Collective protest and social identity: a case study of save the Narmada Movement in India' during the 15<sup>th</sup> European Congress of Psychology held at Amsterdam during 11 to 14 July 2017.

Ramashray Prasad presented a paper entitled 'Flood Estimation: A Case Study of Lower Gandak River Basin at Tribeni in Bihar' during the 29<sup>th</sup> Biennial Conference of "North East India Geographical Society (NEIGS)" cum "XI International Geographical Union Commission Seminar" held at B. Borooah College, Guwahati from 8 to 10 February 2018.

Arvind Kumar Yadav presented a paper entitled 'Good Governance and Human Rights of Prisoners in India : An Overview' at the National Seminar on "Challenges to Good Governance in India" organised by the Institute of Indian Culture, Mumbai on 2 April 2017.

N. Victoria Chanu presented a paper entitled 'Understanding Korean Women's Status and Social Values Through Literature' in the International seminar on "Act East: Transitions in India's Engagement with South Korea" organised by Jamia Millia Islamia and Researchers' Association for the Study of Korea at CIT Conference Hall, Jamia Milia Islamia on 13 October 2017.

R.N.Dubey presented a paper entitled 'New Approach to Sustainable Urban Planning in India' in 39<sup>th</sup> Indian Geography Congress on "Future Cities, Sustainable Development and Geospatial Technologies" at Osmania University, Hyderabad during 5 to 7 December 2017.

Arvind Kumar Yadav presented a paper entitled 'Good Governance and Human Rights of Prisoners in India : An Overview' in National Seminar on "Challenges to Good Governance in India" organised by the Institute of Indian Culture, Mumbai on 2 April 2017.

### **National/International MoUs Signed**

MoU signed with School of Open Learning (SOL) University of Delhi.

MoU signed with Rajiv Gandhi National Institute of Youth Development, Ministry of Youth Affairs & Sports, Tamil Nadu.

### **Placement Details**

Number of students placed: 22

Number of Companies visited for campus recruitment: 1

### **Extension and Outreach Activities**

Blood Donation Camp was organized by NSS unit on 18 January 2018 in collaboration with Social Service Unit of AIIMS and a Tree Plantation drive was organized by the Eco club of college on 23 September 2017.

### **Library Development**

The library is housed in a separate building is fully computerized with wi-fi facilities. It has about 38,338 books and some of these are provided to the economically weaker and brilliant students under 'Students Aid Fund Scheme: (S.A.F)'. Library is computerized and covered under CCTV surveillance and uses *Libsys software*. It provides OPAC (Online Public Access Catalogue) facility for all students in order to check his/her library account. Special collection of Dr. B.R. Ambedkar, Gandhi, Nehru & other personalities are available along with dictionaries on each floor. Other new facilities laptop charging facility; link to access e-resources in the library from DULS; access to N-list programme of INFLIBNET; question papers of the previous years; notification of job openings, and subject-wise and floor-wise signage's. The library is equipped with special facilities offered to the Divyangjan. These include: separate air-conditioned cabin (Named Helen Keller Unit) with two computers; online membership of sugamya pustakalaya free of cost; and separate sitting space for reading of Braille study materials.

### **Faculty Strength**

Total numbers of faculty members = 117

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 25,58,00,000/-

Grants utilized: Rs. 24,04,28,940/-

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## **DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION (VISUAL IMPAIRMENT)**

### **Major activities and achievement**

Durgabai Deshmukh College of Special Education (for Visual Impairment) was established in 2006 and since then offers Bachelors Degree programme in Special Education for the visually impaired children and is recognized by the Rehabilitation Council of India. The college is run by the Blind Relief Association, Delhi which is a premier non-government organization. The college is also partially funded by the National Institute for empowerment of the persons with Visual Impairment (Divyangjan) an apex body under the ministry of Social Justice and Empowerment. Currently, college has an intake of 28 students per academic session.

### **Honours/ Distinctions**

Dr. Swati Sanyal:

Member, Committee for amendment of 'Act of Rehabilitation Council of India'

Member, Revision Committee of Inspection, Rehabilitation Council of India'.

Member, Doctoral Committee of SOSS, IGNOU.

Member, Urdu Braille Development, JMI

### **Students with distinctions**

Ms Swati and Ms Latika Aneja secured distinctions in their B.Ed.(Spl.Edn.) final Exam.

### **Publications**

Dubey, S.K. (2017) Visual Impairment: A Book for Parents and Care givers, New Delhi, S.R. Publishers.

### **Conferences Organized**

CRE programme entitled '*Socio-Emotional Aspects of Learning Disability*' organized from 8 to 10 December 2017.



### **Seminar /Conference Presentation**

Swati Sanyal presented a paper entitled 'Teaching strategies for developing social skills & building self-esteem' at the CRE Education programme organized by Durgabai Deshmukh College of Special Education & Ayush Society, Delhi in association with (NIEPMD), from 8 to 10 December 2017.

S. K. Dubey presented a paper entitled 'Development of Assistive Devices for visually Impaired' during the CRE program organized by AAROH, Vasant Kunj, New Delhi on 28 March 2018.

S.K. Dubey was invited as resource person for 6 days workshop on 'psychological assessment and braille learning (EPC) program' and delivered lecture on "Assistive Devices for Visually Impaired" organized by Jamia Millia Islamia, New Delhi on 12 to 17 March 2018.

Pubali Agrawal participated as a Resource Person in a five days Hands-on training (CRE Status) of Special Education Teachers in Cross Disabilities, organized by JPM Senior Secondary School for the Blind & Directorate of Education, Govt. of NCT of Delhi, from 18 to 22 September 2017.

Pubali Agrawal demonstrated 'How to Develop different Independent Living Skills' to adolescents who lost their vision in accidents or calamities in an event organized by "Help Foundation", Kashmir on 3 to 7 October 2017.

Pubali Agrawal presented a paper entitled 'Addressing Socio-Emotional aspects of Persons with Learning Disability' during the CRE Programme, organized by NIEPMD, Ayush Society & Durgabai Deshmukh College of Special Education (VI) on 10 October 2017.

Pubali Agrawal conducted a workshop on 'How to develop Teaching Resources from an Inclusive Perspective' organized by Department of Education, University of Delhi on 19 February 2018.

Narendra Kumar Jha presented a paper entitled 'Counseling Parents of Children with Learning Disabilities' organized by Durgabai Deshmukh College of Special Education & Ayush Society, Delhi in association with National Institute Empowerment of Persons with Multiple Disabilities (NIEPMD) Chennai, from 8 to 10 December 2017.

### **Placement Details**

Number and percentage of students placed: Approximately 50%

### **Extension and Outreach Activities**

Medical Camp for women with disabilities was organized on 18 November 2017.

### **Library development**

Total Number of Books (Print + Braille)	4382
Total Number of Titles (Print + Braille)	2225
Print Journals on Special Education as well as Education	22
Total Numbers of Books added during 2017-2018	163

### **Faculty Strength**

Number of permanent faculty= 4

### **Financial Allocation and Utilization:**

Grant allocated:	Rs. 90,00,000/-
Grant sanctioned:	Rs. 34,78,272/-

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## **DYAL SINGH COLLEGE**

### **Major activities and achievements**

NIRF adopted by MHRD, Government of India ranked the college as 25<sup>th</sup> in overall ranking, 2018 in the category of Colleges. National Skill Resources Development Award was conferred by National Community College for Skill Development (NCCSD), the Women's Agency for Generating Employment (WAGE), Confederation of Indian Universities (CIU) and National Institute of Cleanliness Education and Research

(NICER) for outstanding contribution. Spiritual and Value Education Award was conferred by Confederation of Indian Universities (CIU). International Association Educators for world peace conferred “Best Managed Green Campus Award”. Green Globecare” conferred certificate of appreciation for tireless efforts and valuable role in building the foundation to protect tree and Mother Earth.

### **Outstanding Honours/Distinctions**

Robin Kadyan won bronze medal in All India University Championship. Niraj Kumar won Bronze medal in senior state boxing Championship.

Aashi Chaudhary won gold medal in High Jump and Decathlon. Also won gold medal in Delhi State Athletics championship and reliance foundation in inter college championship.

Usman Devan won gold medal in 100mt, 200mt and 400 mts race in Delhi State Championship. He also won gold medal in 200 mts race in First national Para University Games and Para Youth Asian Games, Dubai.

Sanjay won gold medal in 100 mt race in KMC intercollege para athletics meet. He also won gold medal in 400 mt., 800 mt and 5000 mt race in Delhi state Para Games. Nakul Virval won gold medal in UP state Centrefire.

Abhival Choudhary won 3 gold in state Sr. Centrefire.

Anil Kumar won gold medal in 10 m peep sight Air rifle in Sr. and Jr. men.

### **Students with distinctions**

Ms. Safi Kamal Hussain, Ist in college B.A(H) Political Science Final result 16-17.

Mr. Mohit Yadav, Ist in college B.Sc. (H) Zoology final result 2016-17.

Ms. Isha Godhwani, Ist position in college B.com. (H) final result 2016-17.

Ms. Muskan Verma, Ist position in college B.Sc. Life Science final result 2016-17.

Mr. Lakshya Dabas, Ist position in college B.A.(H) Economics final result 2016-17

### **Publications (Selected)**

Droliya, P. and A. K. Nain (2017) Experimental and theoretical studies of acoustic and viscometric properties of binary mixtures of tetrahydrofuran with some alkyl acrylates at temperatures from 293.15 to 318.15 K, *J. Mol. Liq.*, 241, 549-562.

Krishna, T.S.; K Narendra, M. Gowrisankar, A. K. Nain and B. Munibhadrayya (2017) Physicochemical and spectroscopic studies of molecular interactions of 1-butyl-3-methylimidazolium hexafluorophosphate + 2-methoxyethanol or 2-ethoxyethanol binary mixtures at temperatures from 298.15 to 323.15 K, *J. Mol. Liq.*, 227, 333-350.

Nain, A.K. and P. Droliya (2017) Temperature and concentration dependence of volumetric properties of tetrahydrofuran + methyl acrylate, or + ethyl acrylate, or + *n*-butyl acrylate, or + *tert*-butyl acrylate binary mixtures, *J. Chem. Thermodyn.*, 105, 317-326.

Nain, A.K.; P. Droliya, J. Gupta (2017) Theoretical study of molecular interactions of amino acids in aqueous-carbohydrate solutions by using scaled particle theory, *Indian J. Chem. A*, 56, 939-944.

Pandey, P.K. (2017). A finite difference method for the numerical solution of general third order boundary value problem with an internal boundary condition, *Russian Mathematics* 61(12), 29-38.

Pandey, P.K. (2017) A numerical method for the solution of fifth order boundary value problem in ordinary differential equations, *Vladikavkazian Mathematical Journal*. 2017 . Vol. 19. Issue 4. P.50-57.

Pandey, P.K. (2017) A numerical method for the solution of general third order boundary value problem in ordinary differential equations, *Bulletin of the International Mathematical Virtual Institute* Vol. 7, No. 1, 129-138.

Pandey, P.K. (2018) An efficient numerical method for the solution of third order boundary problem in ordinary differential equations, *Int. J. Computing Science and Mathematics*, Vol. 9, No. 2, 171-180.

Pandey, P.K. (2018) Finite Difference Method for Numerical Solution of Two Point Boundary Value Problems with Non-uniform Mesh and Internal Boundary Condition, *General Letters in Mathematics*, Vol 4 (1), 6-12.

**Number of College Teachers serving as Editor(s)/Member(s) of Editorial Board** – More than 12

### **Research Projects**

Arun Pal, Mathematics, DST.Rs. 41,51,400.00  
 Naveen Gaur, Physics, Indo-French, 1,02,000 (Euro)  
 Anil Kumar Nain, Chemistry, CCRH, Rs. 44,68,780.00  
 Nishant Kumar, Pol. Sc, ICSSR, Rs. 8,00,000.00  
 Dr. Kamal Nayan Choubey, Pol. Sc, ICSSR, Rs. 6,00,000  
 Dr. Aruna Chhikara, Chemistry, DBT PILOT Project, Rs. 25,01,000, UGC, Rs. 7,01,000.00  
 Dr Alka Gupta, Chemistry, UGC,Rs. 13,07,813.00  
 Dr. Amita Malik, Chemistry, UGC, Rs. 11,79,620.00  
 Dr. Nikhil Jain, Pol.Sc., UGC,Rs. 7,82,600.00

### **Seminars organized**

Department of Punjabi organized Sawan Kavi Darbar; seminar on the topic “Sarab Sanjhivalta de Prateek Sri Guru Granth Sahib” “Bhagat Ravidas Personality and Contribution” S S Vanjara Bedi Memorial function.

Department of Zoology organised a talk by Shri Nimish Kapoor from Vigyan Parisar, DST “Science Communication : Bridging the gap between Science and Society” in Zoology Society; Dr. V.C. Kalia delivered a talk on “Green Technologies to combat Environmental pollution” in Zoophoria, a departmental fest. A two day educational trip to Dehradun and Mussoorie was also organized.

Dr. Nikhil Jain (Political Science). Organized a workshop on Digitization of Books and a gender sensitizing workshop on Acid Victims in collaboration with the Women Development Cell of the College.

Department of Geography organised a lecture on “Rural America in a Globalized World” by Dr. Rajiv Thakur, Assistant Professor, Department of Geosciences at Missouri State University (MSU), West Plains. And also one day workshop on ‘Hazard, Vulnerability and Sustainability Challenges’ was also organized.

Department of Economics organised a seminar on Economic Liberalism in India by Mr. Mohit Satyanand from CSS by Prof. Abhijit Sen, a former member of planning commission on the topic - 'The current state of Indian economy'.

### **Conference organized**

Dr. Nikhil Jain (Political Science). Organized a National Workshop on ‘Access to Cinema through Audio Description’ in the College.

ECONCLAVE, the annual economics fest hosted 18 speakers including Yashwant Sinha, Sanjeev Sanyal and many others events like Richie-Rich, Currency Tussle, Biz-Shastra and Biblus.

Department of Commerce organised One-Day Faculty Development Program on Research Methodology and “Insights on GST and Custom Laws”.

ECOGNIZANCE and VIKIRYA- the gender champions of Dyal Singh College organized “UNBROKEN- The story of survival”, a panel discussion about the increasing menace of sexual abuse and harassment. Ecognizance also organised a workshop on Mental Health and Awareness.

### **Seminar / Conference Presentation**

Dr. Neetu Bhattacharya presented a poster on Next Generation Sequencing in national conference of Medical Anthropology held at Ashutosh College Kolkata.

Dr. Shweta Rani was invited as a Keynote Speaker, in the International Conference organized by Indian Federation of United Nations Associations (IFUNA), New Delhi

Mr. Shish Pal Sinhmar presented papers at an International Conference on Women and Sectarian Violence in South Asia: Fiction and Reality held at Central University of Gujarat and at a National Conference on Environment, Health and Sustainable Development held at Centre for health and Environment studies , Dehradun.

Dr. Hema Banati delivered a talk on “*Nature Inspired Computing*” at Deen Dayal Upadhyaya College and another one on *Web & Social Media Analytics* at JIIMS.

Dr. Anita Goel delivered a talk on “Scientific Writing” and “Big Data and Cloud Computing” to Pre-Ph.D. students in Department of Computer Science, University of Delhi, in June and in RKG College of Management and Technology, Ghaziabad on Data Interpretation for the CEC-UGC Edusat channel.

**Placement details**

Number of students getting successful placements : 204 (placement) 350 (Internship)

Number of Companies/Industries coming for campus recruitment : 63 (Placement); 95(Interns)

**Extension and Outreach work**

Number of camps organized in the surrounding areas : 5+.

Number of people enrolled/covered in the camps : 400+.

Number of students who worked in the camps : 100+.

Total number of hours dedicated to these camps: 5+ hours/camp.

**Library Development**

Added 1395 books and 11 journals/Magazines. The library has around 1 lakh total collection. The college library subscribes 57 journal/magazines and 19 newspapers and is a member of NLSIT program to access e-resources. It also provides IT based services to visually impaired student/Faculty Members.

**Faculty Strength**

Total number of permanent faculty: 158;

Total number of Ad-hoc faculty: 101

**Financial Allocation and Utilization**

Grant sanction: Rs. 55,27,82,000/-

Grant utilized: Rs. 48,83,39,202.64/-

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**DYAL SINGH EVENING COLLEGE****Major Activities and Achievements**

The Department of Commerce one of the most vibrant department of the College has organized a Debate Competition on the topic “Today India needs more Entrepreneurs than Managers”. Dr. Sanjay Kumar Singh published a book on “Management Accounting”. The Political Science Department conducted several lecture series. Dr. Shivani Singh edited a book on “Governance: Issues and Challenges” by Sage Publications. The History department organized Heritage walks Shri A. K. Singh was awarded Ph.D on Socialist Movement in India. The Punjabi Department hosted two day International Seminar Dr. Prithvi Raj Thapar published a book on “Fiction of Bant singh Cnattha”. The English department organized a National Conference on Limbale’s “The Outcase and Dalit Resistance”. There were more than 10 publications and 62 students got distinctions. The Placement Cell has been instrumental in bringing in lot of high-end recruiters for the campus placement of students. The college has books over 60,000. The digital form is underway. There are 89 faculty members in total financial grant sanctioned was Rs. 1566.05 lakhs and the fund utilized was Rs. 1593.20 lakhs.

**Publications Total Number**

Microfinance, Financial Literacy and Financial Inclusion in 2017

Demonetization, Digitization and Financial Inclusion in 2017

A study of Impact of Demonetization on Financial Inclusion in India in 2017

Charting the Journey of Demonetization 2016 in 2017

30 Big Steps to Financial Inclusion in India in 2017

Payment Banks and Small Banks as Conduits of Financial Inclusion in 2017

### **Research Projects**

A minor project titled “Awareness Campaign, Workshop and Youth Festival on Inclusive India Empowered India” was undertaken for three months and a grant of Rs,1,50,000/- was received from National Trust, Ministry of Social Justice and Empowerment, Government of India. The outcome of the project was that more than 5000 people reached to create awareness about the Inclusive India Programme.

### **Seminars Organized**

National Seminar on the need for physical education in improving the performance of Indian sports persons in Olympics and other national/international tournaments was organized from 07 to 08 November 2017.

Organized a one day seminar on ‘Understanding GST’ on 2 August 2017.

A Seminar on Diaspora was held on 25 October 2017. Students were addressed by Professor Harish Narang from JNU and Dr Jyoti Jakhar Dahiya from Motilal Nehru College.

### **Conferences Organized**

On 22 March 2018, a National Conference on the topic- Limbale’s The Outcaste and Dalit Resistance was organized by the English department which witnessed paper presentations by eminent researchers and scholars from 11 Universities across the country.

### **Seminar/Conference Presentations**

Dr. Poonam got 4 articles presented in International Conferences. Two of them got published too. She edited two books and also contributed four articles in the edited books. She also completed a project with National Trust, Ministry of Social Justice and Empowerment, Government of India. Project was an extension of ‘Inclusive India Empowered India’ initiative of National trust. The main aim of the project was to create awareness and knowledge among students and the public towards the special needs of persons with intellectual and developmental disabilities. The project outreaches more than 10000 students and people. She also organized one day Vittaya Saksharta Shivir in Seelam Pur area of Delhi. One day seminar on ‘Understanding GST’ was also organized by her in the college.

### **Placement Details**

Total number of students placed = More than 100

### **Extension and Outreach Activities:**

NSS Unit of Dyal Singh Evening College organized various events regarding social issues and development of students in creative field and enhancing their speaking skills. Opening of the year was done by the orientation programme for the newly inducted NSS volunteers on 25 September 2017 in which Capt. Parminder Sehgal, Officer Incharge NCC and NSS, Delhi University was the chief guest. During the month of September, Rally for Rivers awareness campaign was organized in the college premises to raise awareness of the rivers that are depleting. Students also went to the main event of Rally for Rivers which was held in Indira Gandhi Stadium in Delhi to support this cause. In the month of October, 2017 The event was followed by a cleanliness drive in collaboration with South Delhi Municipal Corporation (SDMC) Delhi. Our NSS Team went to the Indraprastha Slum to teach the children about basic health and hygiene tips in the month of January and February. Inter College Poster Making Competition on the topic “Swachh Bharat- ek kadam swachhta ki aur” dated 27 February 2018 was also organized. A Self Defence Training was conducted for Girls in collaboration with Street Level Awareness Program (SLAP) on 4 April 2018 in which girls were taught many Self Defence Techniques to prepare them for unexpected situations and also helps develop increased mental and physical health. Collection drive for the slum children was held in the college campus collecting packed food, clothing and stationary items.

### **Library Development**

The college has a well-endowed library with over 60000 books, a large number of periodicals, journals and the internet facility. Moreover, automation of the library records is underway.

### **Faculty Strength**

Total number of faculty members 89

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 1566.05 lakhs

Grant Utilized: Rs. 1593.20 lakhs

### **Other Significant Information:**

The Equal Opportunity Cell in collaboration with the Student Union of the college organized an interactive session on 1 March 2017 in which Honorable Governor Shri O.P. Kohli delivered a motivational lecture and interacted with the students. The students of the equal opportunity cell delivered performances which were appreciated by all. The students of the cell also actively participated in various inter-college competitions like Cricket, shot put, chess athletics and debate competitions and won many prizes.

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## **GARGI COLLEGE**

### **Major Activities and Achievements**

Gargi college celebrated its Golden Jubilee Year function with Dr. Pranab Mukherjee (former President of India) as the Chief Guest and presided by Prof. Y. K. Tyagi (Vice Chancellor, University of Delhi). For showcasing the glorious 50 years of the College, a book was released and The Wall of Fame was unveiled by Dr. Pranab Mukherjee. National Institutional Ranking Framework (NIRF) ranked the College at 15th position at All India level and 7th amongst the colleges of University of Delhi. The College received "Best Managed Campus Award 2017" by the "International Association of Educators for World Peace" in 38th World Management Congress. A two day International Conference titled 'Educational Policy Shifts in Neo-Liberal Times: Core Concerns and Critical Issues' was organized in September 2017 in collaboration with IQAC. The conference was funded by NUEPA.

### **Honours/ Distinctions**

Dr. Promila Kumar, Principal, Gargi college received "Best Managed Campus Award 2017" by the "International Association of Educators for World Peace" in 38th World Management Congress on 8 March 2017

Dr. Renu Aggarwal, Department of Chemistry received "Award for College Lecturer" from Directorate of Higher Education, Government of NCT of Delhi.

Dr. Madhu Sudan, Department of Physics received "Bhaskara Advanced Solar Energy (BASE) Fellowship", funded by Department of Science and Technology (DST), Govt. of India, and the Indo-U.S. Science and Technology Forum (IUSSTF), for the Ph.D. duration.

Dr. Poonam Sharma, Department of Zoology received "SCIENCE AMBASSADOR-2017" at 1st Science Ambassador Program organized by Bio-Rab Laboratories in association with Deshbandhu College on 6 November 2017 and held at St. Thomas Girls Sr. Sec. School, Delhi.

### **Students with Distinction**

Six students were awarded the Science Meritorious Award by University of Delhi.

Avi Mendiratta from B.Sc. (H) Botany, 3<sup>rd</sup> Yr.

Rozy Yadav from B.Sc. (H) Botany, 3<sup>rd</sup> Yr

Ruth Abraham from B.Sc. (H) Botany, 3<sup>rd</sup> Yr.

Shivani Sharma from B.Sc. (H) Botany, 3<sup>rd</sup> Yr.

Prabhleen Kaur from B.Sc. (H) Zoology, 2<sup>nd</sup> Yr

Khushboo Choudhary from B.Sc. (H) Zoology, 3<sup>rd</sup> Yr.

### **Publications**

Singh, S., Mohanty, A. (2018) In silico identification of potential drug compound against Peroxisome proliferator-activated receptor-gamma by virtual screening and toxicity studies for the treatment of Diabetic Nephropathy. *Journal of Biomolecular Structure and Dynamics*, 36(7), 1776-1787.

Kumar, M., Chauhan, H., Satpati, B., Deka, S. Yolk (2018) Type Asymmetric Ag–Cu<sub>2</sub>O Hybrid Nanoparticles on Graphene Substrate as Efficient Electrode Material for Hybrid Supercapacitors. *Zeitschrift für Physikalische Chemie*. 1067.

Khurana, H., (2017) The Impact of Employer Branding on Employee Behaviour and Motivation. *International Journal of Research in Computer Application and Management*. 7(6), 56-62.

Dutta, S. (2017). *British Women Missionaries in Bengal, 1793–1861*. Anthem Press. ISBN 978-1-78308-726-6

Kumar, P., Sharma, B. (2017) Higher order efficiency and duality for multi-objective variational problem. *Control & Cybernetics*, 46(2), 137-145.

Redhu, A. K., Banerjee, A., Shah, A. H., Moreno, A., Rawal, M. K., Nair, R., Prasad, R. (2018) Molecular Basis of Substrate Polyspecificity of the *Candida albicans* Mdr1p Multidrug/H<sup>+</sup> Antiporter. *Journal of molecular biology*. 430(5):682-694.

Sarin, N., Mishra, M., Gupta, G., Parkin, I. P., Luthra, V. (2018) Elucidating iron doping induced n-to p-characteristics of Strontium titanate based ethanol sensors. *Current Applied Physics*, 18(2), 246-253.

Rizvi, S. H., Salcedo, S., Youngstrom, E. A., Freeman, L. K., Gadow, K. D., Fristad, M. A., Arnold, L. E. (2018) Diagnostic Accuracy of the CASI-4R Psychosis Subscale for Children Evaluated in Pediatric Outpatient Clinics. *Journal of Clinical Child & Adolescent Psychology*, DOI: 10.1080/15374416.2017.141082

Verma, H., Bajaj, A., Kumar, R., Kaur, J., Anand, S., Nayyar, N., Lal, R. (2017) Genome organization of *Sphingobium indicum* B90A: an archetypal Hexachlorocyclohexane (HCH) degrading genotype. *Genome biology and evolution*, 9(9), 2191-2197.

Bhatt, A. (2018) Conflict transformation model: A case study of Kashmir Conflict, *International Journal of Scientific Research*, 7(4), 401-402.

**Number of college teachers serving as Editor(s)/ Member(s) of Editorial Board:** Three

#### **Research Projects**

Dr. Anjana Rustagi, Department of Botany, awarded Early Career Research Award (ECRA) to conduct major research project entitled “Revealing the mechanism and components of systemic acquired resistance in *Brassica juncea*” from Scientific and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India. Sanctioned amount: Rs.36.31 lacs; Received: NIL; Period: 3 years

Dr. Supreeti Das, Department of Physics, awarded UGC minor research project grant for “Designing efficient thermal flow nanofluids” in 2017. Sanctioned amount: Rs.2.65 lacs; Received: Rs.2.32 lacs; Period: 2 years

#### **Seminars Organized**

Department of Chemistry organized a three-day interdisciplinary seminar on “Exploring New Dimensions of Knowledge” from 17-19 July 2017.

The Commerce Department organized a career counselling session by an eminent television personality and columnist, Usha Albuquerque, for students of all courses on 25 August 2017.

A two day National Seminar on ‘Mentoring the Teacher mentors: Capacity Building Programme (funded by NAAC), was organized by IQAC in collaboration with Departments of Education, Philosophy and Psychology, held on 19-20 January, 2018.

The Chemical society organized an educational seminar on “Laboratory Glassware” by experts from Borosil on 30 August 2017.

The Department of History organized a two-day seminar (24-25 October 2017), to commemorate the Golden Jubilee celebrations of Gargi College. The theme of the seminar was Writing Women’s History: Locating Visibility, Voices, and Agency.

#### **Conferences/ workshops Organized**

Department of Botany organized a two-day workshop on “Analytical Techniques in Biochemistry” from 30 – 31 August 2017.

The Department of Psychology organised a series of Expressive Arts Workshops between 24 and 28 February 2018. The facilitator was Ms. Manju Jain, a certified Person-Centered Expressive Arts Trainer (Portland, USA).

Department of Business Economics organized a “Workshop on Public Speaking”- On 26 September 2017, where the toastmasters club organized a demo meet with the students, highlighting the need to learn the art of public speaking.

Department of Commerce organized a Pre-Cascade workshop on the theme, Goods and services tax (GST), by Mr. Atul Gupta, Member of Advisory Board, GSTN, Government of India on 21 September 2017.

A two day Summer Workshop was organized in July 2017 by Department of Physics for all science students on Nanotechnology, UV visible spectroscopy and interfacing of physics experiments.

### **Seminar/Conference Presentations**

Dr. Anjana Rastogi Presented Poster entitled ‘Epifoliar treatment of Brassica juncea plants with 24-Epibrassinolide exhibit resistance to fungal Phytopathogens’ on 28 February 2018 at Indian National Science Academy, New Delhi on the occasion of ‘National Science Day’ organized by Indian National Science Academy and Indian Academy of Sciences.

Ms. Anjali Anand Presented research paper entitled ‘Impact of Information and Communication Technology (ICT) on Education’ in the one day National Conference on Rethinking Management Education in the Digital Age held at the Faculty of Management Studies, University of Delhi on 10 February 2018.

Dr. Monica Gupta Presented a paper on ‘Building an Educational culture of Empathy and Care: Insights from Sri Aurobindo’ in 8th International Conference of the Comparative Education Society of India titled: ‘Criticality, Empathy and Welfare in Contemporary Educational Discourses’ 16- 18 November 2017, University of Jammu, Jammu.

Ms. Nidhi Tewathia Presented a paper entitled “Internet Economy: India vis-à-vis South Korea” at the 11th RASK International Seminar on Act East: Transitions in India’s Engagement with South Korea at Jamia Millia Islamia on 13-14 October 2017.

Mr. Narender Kumar Presented Paper in “International conference on Current Trends in Theoretical and Computational Differential Equations with Applications” organized by ‘Department of Mathematics, South Asian University, New Delhi’, held during 01-05 December 2017.

### **Placement Details**

Total number and percentage of students placed = 97 (27%)

Total number of companied visiting campus= 40

### **Extension and Outreach Activities**

National Service Society (NSS) organized a Blood Donation Camp on 25 October 2017 in collaboration with Red Cross and Rotary Club on 31 October 2017, NSS sponsored the Rashtriya Ekta Divas also known as National Unity Day which focused on spreading the message of peace and Unity. Several cleanliness drives were organized by NSS volunteers throughout the year. Newspaper collection and clothes collection drives as well as other ‘Daan Utsav’ were organized to help several NGOs such as Family of Disabled, Goonj etc. On 25 January, 2018, NSS Gargi, along with the Political Science department celebrated National Voter’s Day or Rashtriya Matdata Diwas. NSS celebrated ‘Children’s Day’ with differently abled children from NGO-MUSKAAN and TAMANNA.

### **Library Development**

617 books were added till March, 2018 making total of 74027 books in all. At present library has an asset of 217 CDs and subscribed to 51 periodicals and 10 newspapers. Electronic Resource Management package for managing and utilizing e-resources was made available. The library subscribes to a large number of Electronics Resources through UGC-Infonet which includes e-resources (6,000+ ejournals and 31,35,000+ ebooks ) and University of Delhi connectivity which includes Delhi University Library System.

### **Faculty Strength**

Total number of permanent faculty: 146

Total number of Ad-Hoc faculty: 70



### Financial Allocation and Utilization

Grant sanctioned: Rs.4665.12 lakhs

Grant utilized: Rs.4630.02 lakhs

### Other Significant Information

Ms. Pincky Balhara B.A. Program II year has been selected for 18th Asian Games to be held from 18 August 2018 to 2 Sept 2018 in Jakarta, Indonesia.

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## HANSRAJ COLLEGE

### Major Activities and Achievements

One of the major achievements of Hansraj College in 2017 was securing overall score of 3.62, grade A+ in NAAC assessment. The college believes in imbibing the changing technology to keep students abreast of latest developments in their respective subjects. Mentorship programs are conducted which acts as a means to reach out to the students and discuss issues faced by them concerning studies, career, passions etc. The college also promises a bright future for the students. To achieve this, an internship fair was conducted where students could interact with industry leaders, experts, professionals as well as leaders from various several startups, non-profit government organisations. This helped students to realise the market demand and prepare themselves for upcoming jobs.

### Honours/Distinctions

Dr. Monika Koul was awarded prize as an outstanding women in science by Venus International Chennai.

Dr. Meghna Malhotra was awarded UGC Travel Grant for presenting paper in World Finance Conference July 2017 in Cagliari University Sardinia Italy.

Dr. Brijesh Rathi received an Early Career Research Award by SERB, Govt of India. Dr. Brijesh Rathi was selected as Ambassador (2018) for Bentham Science Publishers, UAE.

Dr. Satyendra Srivastava got the Best Young Teacher award in Social Science

### Students with Distinctions

Seven students got Gold Medal in Delhi University.

Our student won Gold Medal in 200 meter and Silver Medal in 100 meter freestyle at the 9<sup>th</sup> Asian Age Group Championship.

Students won Inter-college championship in sports such as Air Pistol (M), Air Rifle (M), Squash (M), Archery (M) Compound, Archery (M) Indian Round, Badminton (M), Air Pistol (W).

### Publications

Koul, M. and Bhatnagar, A.K. (2017) "Changes in Leaf Epidermal Features of *Cyamopsis tetragonoloba* (L.) Taub. in Response to Lead in Soil." *Phytomorphology*, 67(1, 2), 19-25.

Kumari, V.; Dixit, R.; Rathi, B.; Pandey, K. and co-authors. (2017) "Biochemical Characterization of Unusual Cysteine Protease of *P. falciparum*, Metacaspase-2 (MCA-2)" *Mol. Biochem. Parasitol.* In Press 220 (IF, 2.536; Elsevier), 2017, pp. 28-41.

Khurana, A. (2017) "Computer Se Shiksha Mein Navachar" *Puravai*, volume 74 25-26.

Singh, I. (2017) "Antimicrobials in Higher Plants: Classification, Mode of Action and Bioactivities." *Chemical Biology Letters* 4(1), 48-62.

Singh, A; Nath, O; Singh, S; Kumar, S; and Singh, I.K. (2017) "Genome-wide identification of the MAPK gene family in chickpea and expression analysis during development and stress response" *Plant Gene*, 13, 25-35.

## **Research Projects**

DST project with funding agency Indo-Hungarian Bilateral Research Grant (2017-20) for the project titled “Thio-click approach for the synthesis of stable glycomimetic and chiral oxathiacrown ethers”.

DRDO project (2017-20) for the project titled “Design and Catalytic Large-Scale Synthesis of New Functionalized Perfluorinated Ketones/Ethers as Potential Fire Extinguishants” (Amount sanctioned - 48.2 lakhs).

UGC funded project (2016-18) titled “Structure diversity and Stability of G-rich DNA sequences” (Amount sanctioned – 6.0 lakhs).

DST-SERB funded project (2016-19) titled “A New Class of Anti-Malarials: Constituting New Avenues for Anti-Malarial Therapy” (Amount sanctioned – 32.89 lakhs).

UGC funded project (2015-18) titled “Evaluation and analysis of four medicinal plants for their pollution load in wild, cultivated and controlled conditions and response of their bioactive constituents in terms of yield and quality” (Amount sanctioned – 9.8 lakhs).

## **Patents Filed/Granted**

National type of patent has been filed with application number 2017110041295

## **Seminar Organized**

Prof. Chandrima Shaha, Senior Stall Scientist, National Institute of Immunology (NII) delivered a talk on “Vaccines, Immunity and Health” on 15 September 2017.

Prof. M.V. Rajam, faculty Department of Genetics, University of Delhi South Campus delivered a talk on “RNA Interference: Biology and implications in Agriculture” on 9 February 2018.

Prof. Seyed E.Hasnain, Vice Chancellor, Jamia Hamdard delivered a talk on “Impact of Technology on Society: The world in 2020 and beyond” on 23 February 2018.

Dr. Aditya Kumar Gupta, Assistant Professor, Department of Philosophy, Delhi University delivered a talk on “Ethical and Social Issues on Elderly Care” on 9 March 2018.

Mr. Ajoy Ashirwad Mahaprashasta, Deputy-Editor at the Wire delivered a talk on “History and Journalism” on 19 February 2018.

## **Conference organized**

Organized a workshop on Computer proficiency in day-to-day work and dealings in workplace and public life organized by Department of Botany in association with IQAC on 6 July 2017

## **Seminar/Conference Presentations**

Active participation and poster presentation in the International conference INSCR on themes “Role of Microbe-Plant-Animal Interactions in Human Health” and Innovation Science held on 27-28 September 2017.

Delivered an Oral talk at SNMICON, “Atomic Panorama, Canvassing the power of Nuclear Medicine and Molecular Imaging “organized by INMAS, DRDO and Society of Nuclear Medicine (INDIA) from 14 to 17 December 2017.

Active participation and poster presentation in International conference on “Experimental Biology: Federation of American Society of Experimental Biology” held in Chicago, Illinois, USA from 22 to 26 April 2017.

Guest Speaker in Women in Science STEM Series in the Department of Biological Sciences, Winston Salem State University, North Carolina, USA. 1 May 2017.

## **National/International MoUs Signed**

MoUs signed with Loyola University Stritch School of Medicine Maywood, IL USA on 2 July 2018 to target the exchange of faculty members, joint research projects, short-term affiliated courses, trainings, conferences etc.

## **Placement Details**

Number of students placed – 124

Number of companies – 101

Percent of students placed - 27.6 %

### Library Development

Around 1,45,000 books were issued out to students, teachers and members of the non teaching staff. The library has been fully air-conditioned. Computers and internet access has been made available to the students. RFID technology has been employed to digitize the library. Library members can now issue and return books by themselves at the kiosk and drop box. Books from the various science streams have been incorporated into the library. CCTVs have been installed to enhanced security within the library.

### Faculty Strength

Total number of faculty: 188

### Financial Allocation and Utilization

Grand Sanctioned: Rs. 41,23,65,000/-

Grant utilized: Rs. 39,69,42,050/-

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## HINDU COLLEGE

### Major activities and achievements

The year saw several notable achievements for the College culminating in the 119<sup>th</sup> Founder's Day on 15 February 2018, with Shri Hardeep Singh Puri, Hon'ble Minister of State for Housing and Urban Affairs as the Chief Guest. College ranked 4<sup>th</sup> in NIRF All India Ranking 2018. In India Today Ranking Hindu College got 2<sup>nd</sup> All India Ranking in Science, 2<sup>nd</sup> All India Ranking in Commerce, 3<sup>rd</sup> All India Ranking in Arts Stream. College celebrated Swachhta Pakhwada in collaboration with Ministry of Human Resource Development with the aim of promoting cleanliness and hygiene. College strengthened its claims to be recognized as a truly global institution by collaborating with National University of Singapore to host the first of its kind Conference titled 'The Asian Undergraduate Summit'. The theme of the summit was "Leadership in a Complex World: Disruptive Changes in Everyday Life". The event was sponsored by the National Skill Development Corporation (NSDC).

### Honours/Distinctions

Four faculty members were awarded with Ph.D degrees.

Ms. Ashma Sharma, Assistant Professor in English was awarded Visiting Doctoral Student Fellowship by the Oxford Center for Life Writing (OCLW) at Wolfson College, University of Oxford.

Dr. Anita Rajpal, Dr. Rajidner Kumar, Dr. Jagmohan, Shri Puran Mal Verma, Department of Sanskrit, were awarded "संस्कृतसमाराधकसम्मान" by Delhi Sanskrit Academy for contribution in promoting Sanskrit.

Dr. Manavi Yadav, Assistant Professor in Chemistry won the best poster award in the 21<sup>st</sup> Annual Green Chemistry and Engineering Conference at Reston Virginia, USA, best Presentation award in International conference on Advancing Green Chemistry: Building a sustainable tomorrow at University of Delhi.

Dr. Reema Gupta, Assistant professor in Physics was awarded the best poster award for her presentation at the International; conference EMRS 2017, Strasbourg

### Students with distinctions

Chintan Kapoor of B. A. (Hons) Music secured I position in University of Delhi.

Shivani Jindal of B. Sc.(Hons) Botany secured I first position in the University of Delhi.

Vinay Vashisth of M. A. Philosophy secured I position in the University of Delhi.

Ayushi Gupta of M. Sc. Botany secured I position in the University of Delhi.

Rajnandini Rana of M. A. Philosophy secured II position in the University of Delhi.

### Publications

Antony, D.M. (2017) The Nation as an Antinomy: A Note on the Conceptual Logic of Tagore's Dissenting Voice on Nationalism. In D.Pereira (Ed.), *Becoming a Nation: Processes and Prospects* (pp.225-32). Eluru/New Delhi: Association of Christian Philosophers of India (ACPI) & Christian World Imprints.

- Bajaj, R. (2017) Lukacs and Muktibodh on Modernism in the Twentieth Century. *Social Scientist*, 534-535.
- Kumar, A. (2018) *Basic Inorganic Chemistry*. Aaryush Publication.
- Kumar, L. (2017) Surface Structure-Dependent Low Turn-On Electron Field Emission from Polypyrrole/Tin Oxide Hybrid Cathodes. *ACS Omega*, 2 (11), 7515–7524.
- Kumar, S (2017) Green Arbitrated Synthesis of Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanoparticles with Nanorod Structure from Pomegranate Leaves and Congo Red Dye Degradation Studies for Water Treatment. *Journal of Molecular Liquids* (Elsevier).
- Kumar, V. (2017) Effect of mechanical milling on structural, dielectric and magnetic properties of BaTiO<sub>3</sub> Ni<sub>0.5</sub>Co<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> multiferroic nano-composites. *Ceramics International*, 43, ( 3), 3246-3251.
- Mukherjee, S. (in Press) Academic Research vs Activism: The Perils of Doing Ethnographic Research on the Bhopal Gas Tragedy. In S. Choudhury (Ed.), *Doing Research: Exploring Methods in Sociology*. Orient Blackswan.
- Sharma, A. (2018) Tracing the Relational Ethic in the Postcolonial Life of the Indo-Fijian Diaspora. *Life Writing*
- Sharma, N. (2018) Investigation of indolechalcones encapsulation in β-cyclodextrin: determination of stoichiometry, binding constants and thermodynamic parameters. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*. DOI: 10.1007/s10847-018-0782-4.
- Singh, R.N. (2017) Sociology of Religion: State of the Art: Interview to Anushka Goel, Urmi Bhattacharyya and Nabanipa Bhattacharjee. In N. Bhattacharjee and U. Bhattacharyya (Eds.), *Invitation to Religion*. Delhi: Sri Venkateswara College, University of Delhi.

### Research Projects

- Dr Lalit Kumar, Assistant professor in Department of Physics has been awarded with a major research project worth Rs 40 lacs by Science and Engineering Research Board (SERB), Govt. of India.
- Dr Sudhir Kapoor, Associate Professor, department of Statistics has been awarded with a research project sanctioned by Indian Council of Social science research, MHRD
- Dr. Chandrachur Singh, Assistant Professor in Political Science was selected as an Academic Consultant in Prime Minister of India Project – a major research project at Nehru Memorial Museum and Library, New Delhi.

### Seminars Organized

- Speaker - Rajiv Saxena, CA, 'GST: Revolutionary Tax Reform in India', 4 August 2017
- Speakers - Mr. Anuj Jindal and Mr. Manuj Jindal, 'UPSC and other Government Exams', 21 August 2017.
- Speakers Prof. Amar Farooqui, from Delhi University, "Colonial Bureaucracy in India: Evolving Trends.
- Speakers - Prof. Kuldeep Agnihotri, Vice Chancellor, Himachal Central University, Himachal Pradesh, "Jammu and Kashmir: Accession and Subsequent Development", 28 October 2017.
- Speakers -Prof Ramesh Agarwal, JNU, Delhi, and Dr. Komal Kamra, SGTB Khalsa College Delhi University, on 'Accessibility with Inclusion of Disability in Mainstream', 28 February 2017.

### Conferences Organized

- Asian Undergraduate Summit 2017, 5 – 9 June 2017 organized in association with National University of Singapore, sponsored by NSDS, Government of India.
- International Conference on "Advancing Green Chemistry: Building a Sustainable Tomorrow" – 3 to 4 October 2017, jointly organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College.
- National Conference on भारतीय वादविद्या", 24 October 2017 organised by the Sanskrit Department.

### Seminar/Conference Presentations

- Dr. Reena Jain presented a paper on "Remediating Waste Using Waste: Green Technology for Dye Degradation" in International Conference on "Advancing Green Chemistry: Building a Sustainable Tomorrow" organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, 3 - 4 October 2017.

Paper Presentation titled “Molecular Modelling and Docking of Caffeic Acid and its Amide Derivatives to Explore as Anti-inflammatory Agents via Targeting Human TLR4 (hTLR4)” at International conference on “Advance Green Chemistry: Building A Sustainable Tomorrow”, 3 -4 Oct 2017, University of Delhi, Delhi.

Dr Neha Kapoor presented a poster titled “A New Class of MRI Contrasting Complex: Curcumin Conjugate Based” at International Conference titled 7<sup>th</sup> APNMR(Asia Pacific NMR Symposium) held on 16-19 February 2017, IISc, Bangalore.

Dr. Devashish Magoo presented a poster titled “Nickel Boride Mediated Cleavage of 1,3-Oxathiolanes – A Convenient Approach to Deprotection and Reduction” at “International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow”, Hindu College 3- 4 October, 2017.

Mr. Siddharth Kanoujia presented a paper titled “The Possession of Narratives: Telling and Transmitting Caste in Indian Folktales” at European Conference on Arts and Humanities in Brighton, UK on 11-12 July 2017 organized by The International Academic Forum.

Dr. Richa Bajaj presented a paper titled “Muktibodh’s View of Poetry, as Presented in his Letters” at the International Conference on Indian Poetic Traditions organized by the English Department, Janki Devi Memorial College, Delhi University on 2 March 2017.

Dr. Sudhir Kapoor presented a paper titled, “Understanding the Nature of Impact of Weather Conditions and Other Pollutants on the Air Quality: A Statistical Model.” Paper presented at the International conference on ‘Advancing Green Chemistry: Building a Sustainable Tomorrow’ jointly organized by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi, Delhi, on 3-4 October 2017. (Co-presented).

Dr. Manoj Kumar Varshney presented a research paper entitled "A competing risk approach to estimate the probability of death of AIDS patients under ART with the variation of CD4 cell counts" in the International Conference on Changing Paradigms and Emerging Challenges in Statistical Sciences (IPECS-2018) on 29 - 31 January 2018 at department of Statistics, Puducherry.

Dr. Priyanka Aggarwal participated in International Conference on Statistics, IISA-2017, 28-30 December 2017, Hyderabad and presented a paper entitled ‘Bayes Prediction of Poisson Regression superpopulation Mean with a Non-Gamma Prior’.

Dr. Geetika De presented paper on “Welfare Policies, Transparency and Governance: A case study of Social Audits in Telangana, India”, at Lien International Conference on Good Governance, organized by Nanyang Centre for Public.

### **National/International MoUs Signed and Other Inter Institutional Collaboration**

The College has signed an MoU with the National University of Singapore, Singapore from 2011 onwards for a student and faculty exchange Programme. Under this MoU, students from NUS have been spending one semester each academic year. In its first year, the College is hosting students from University of Heidelberg, Germany and UBC, Canada through the affiliating university’s MoU with the respective universities.

The College offers foreign language courses through MoUs and joint collaboration with well known institutions such as Goethe Institute, Max Mueller Bhawan for German; Instituto Cervantes for Spanish, Alliance Francaise de Delhi for French and Department of Slavonic and Finno-Ugrian Studies for Russian.

The College has signed an MoU named Science Setu Programme, with the National Institute of Immunology and Department of Science and Technology in 2014 onwards for students and faculty exchange Programme. Under this MoU, students from Hindu College have been doing summer and winter laboratory training in each academic year. Our students also attended various workshops and satellite programmes associated with it like scientific poster making, essay writing and popular lecture series.

### **Students under Exchange Programme**

Mr. Andrew James Braithwaite from Edinburgh University, under Exchange Programme is pursuing B.A. (H) History.

### **Placement details**

Number and percentage of student’s details: Approx. 86% of the students registered with the Placement Cell.

Number of companies visited for campus: More than 20 renowned companies and start-ups.

### **Extension and Outreach Activities**

Extension activities in the College are organised through the NSS, NCC and some other societies, prominent being the environment society (*Panchtatva*), The Equal opportunity Cell (*Ankur*), Women's Development Cell (WDC), Enactus, etc. NSS organized several camps, Medical Camp, Blood donation camp, Cleanliness Drive, Collection Drive, Awareness Drive. NCC: Combined annual training camp, Representation in Sea attachment camp, Republic day camp, para sailing camp, Nau-Sainik Camp, Sailing Camp, Blood donation camp, and Yoga workshop.

### **Library Development**

Total Budget - 933500 (Book Fund) +9,11,000 (Library Development)

No. of books added in 2017-2018 - 1197 books

Internet Facility - wifi facility available in the Library

### **Faculty Strength**

Total number of faculty: 163

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 3253.70 lakhs

Grant utilized: Rs.3253.60 lakhs

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## **HOLY FAMILY COLLEGE OF NURSING**

### **Major activities and achievements**

Elections of (SNA) Students Nurses' Association body were held in September 2017. SNA is involved in assisting the co-curricular activities of students and helping the students. Students participated in various cultural, sports and educational activities of SNA, organised at State level throughout the year. In October 2017 students of college participated in MTNL Health Mela and Medico – Masti organized for all medical students in MAMC, Delhi. Students won several prizes for Poster Making & Slogan Writing in a competition conceived by Lady Irwin College. Annual fete was conducted for SNA fund raising on 30 January 2018. 2ND Annual convocation of Holy Family College of nursing was held on 23 March 2018. Dr Dinesh Arora, an IAS officer, Director of National Institution for Transforming India, NITI Aayog, was the Chief Guest of the convocation

### **Students with Distinctions**

S. Sheryl ernesta of B.Sc.(H) Nursing IV Year Semester VIII secured 81.8% in 2017.

Purnima Das of B.Sc.(H) Nursing III Year Semester VI secured 81.88% in 2017.

Priya Susan Varghese of B.Sc.(H) Nursing II Year Semester IV secured 80.11% in 2017.

Monika of B.Sc.(H) Nursing I Year Semester II secured 76.1% in 2017.

Meenakshi Rautela of M.Sc. Nursing I Year Semester II secured 78.45% in 2017.

### **Publication**

Tomer, A (2017) A study to evaluate the effectiveness of Green tea in reducing weight among obese women in urban area, Dehradun, *IJFIRM*, 3, 87-90.

Elizabeth, A. (2017) Case Report: plasma cell leukemia. *Indian Journal of Nursing Science*, 8, 81-86.

Neha. (2017) The problems faced by ASHAS- Quality study. *Journal of nursing Sciences*. 25-30.

Sharma, V., Thokchom, S. Chugani, M. (2017) Development Of Postograph For The Health Care Professionals In Selected Hospitals of Delhi. *International Journal Of Nursing And Midwifery Research*, 2: 28-31

### **Journals**

Dr. Sumity Arora , Reviwer, In *Indian Journal Of Psychiatric Nursing*.

### **Seminars organized**

Two days workshop organized by M.Sc. II yr. students on “Updating Skills in Critical Care Nursing” was attended by 57 Nursing Personnel of Holy Family Hospital

Two days state level workshop organized by M.Sc. I yr. students on “Emerging trends in Maternal & Child Health” was attended by 50 Nursing Personnel.

Six CNE were organized by M.Sc. Nursing (1 each specialty) and Post Basic Nursing students within the Hospital for Nurses.

One CNE was also conducted in MCH Centre Defense Colony for their Nursing Staff on “Obstetrical Emergencies”

### **Seminar / conference presentations**

Dr. Raminder Kalra was a resource person for a workshop on Nursing management and leadership- An update by AIACHE at Janakpuri (10 October 2017-13 October 2017); National Conference on “Discipline and Leadership” at Sharda University; A workshop on “Changing world of Workplace” at AIIMS and International Mental Health Congress on “Continuum of Care” and “Emerging Needs of Mental Health”.

Dr. Sumity Arora Presented the research article on Knowledge of nurses regarding assessment of substance abuse in National conference on addiction psychiatry. 27 to 29 November 2017, at AIIMS, New Delhi .

Dr. Raminder Kalra and Dr. Sumity Tarafdar were panelist in the International Conference of World Federation for Mental Health World Congress 2017 from 02 November.2017 – 05 November 2017 at Ashoka Hotel.

### **Placement details**

Number of students getting successful placements- 100%

### **Extension and outreach activities**

Urban Community Health Experience was provided in collaboration with Community Health Department of Holy Family Hospital. Students participated actively in National Health Programmes and Health Awareness programmes through skit, role play, street plays and exhibitions. Students also conducted School Health Programme on monthly basis in Vidya Bhavan School and Cheshire Home Day Care Centre. They also actively participated in Govt. School Health Programs in different zones with PHN. Two Health Camps were organized in Subhash Camp & Tamoor Nagar. The college organized several health important days such as World Breastfeeding week was celebrated from 1 to 8 August 2017 with Role plays, street plays, exhibitions and health education by M.Sc. students (OBG) and B.Sc. Interns. World Mental Health Day was celebrated on 10 October 2017 with Role play, Health education and Poster and Slogan Making competition.

### **Library development**

No. of Book Racks/ cupboards-Total number: 96; Nursing: 24

CD ROM's available for students: no

No. of Nursing books available: 1789

No. of latest edition Nursing books (since 1990): 945

No. of Nursing Journals Subscribed: 15 (11+5=15)

Internet facility available for students: Yes

Books purchased in the last financial year: 46

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## **INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES**

### **Major Activities and Achievements**

An Indo-US Conclave was organised by the Institute on 13 April 2017 in the Institute premises in which US delegates, faculty members and students of the Master Degree participated. Self-Financing Fitness Trainer Course (FITCO) was conducted from 30 May 2017 to 30 June 2017 in the Institute. This course was attended by a no. of students of IGIPESS and other institutions. Incident Response System (IRS) in Disaster Management, Consumer Rights etc. as well as courses like orientation, refresher and others. The non-teaching staff trained by different courses conducted by Higher Education, Govt. of N.C.T. of Delhi such as

E-Governance, Procurement Process & Basic Computer Operation etc. Mass participation of students during the National Anthem was a unique activity for the first time in the system of University of Delhi.

### **Students with Distinctions**

Meenu Dabas from M.P.Ed stood first by securing 88.17%.

Preeti Tyagi from M.P.Ed stood second by securing 84.64%.

Shalini Rathi from B.P.Ed. stood first by securing 88.40%.

Nidhi Singh from B.P.Ed. stood second by securing 84.59%.

Dhruv Arora from B.Sc stood first by securing 76.80%.

### **Publications**

Pratibha, Bhatt, S A, Shaw, Dhananjay, (2017) “An Assessment of Sit and reach Flexibility of Male and Female Physical Education Students (A Comparative Study)”, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.2, ISBN: 978-93-85449-35-2

Bhatt, S A, Kumar, Ravinder, Shaw, Dhananjay, (2017) “Comparison of Maximal Oxygen Uptake ( $VO_2$  Max.) Between Male and Female Sportspersons (A Comparative Study)”, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.3, ISBN: 978-93-85449-35-2

Kumar, Ravinder, Bhatt, S A, Shaw, Dhananjay, (2017) “Effect of Examination on Pittsburgh Sleep Quality Index and Pittsburgh Insomnia Rating Scale Score of Male and Female Sports Person from Schools of N.C.T Delhi, Emerging Trends in Fitness and Sports Sciences, An International Conference on Physical Education and Sports Sciences (ICPESS) organized by Manipal University, Jaipur, Vol.3, ISBN: 978-93-85449-35-2

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2017) “Kinematic analysis of hamstring curl exercise for lower extremities with 15 RM load”, An International Journal of Physiology, Nutrition and Physical Education, ISSN: 2456-0057 (pp. 446-451)

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2017) “Kinematic differences among the players/repetitions and between the gender in regard to right (dominant) leg lunges exercise for lower extremities with 15 RM Load”, An International Journal of Yoga Physiotherapy and Physical Education, Vol. 3, ISSN: 2456-5067 (pp. 51-56)

Kumar, Ravinder, Bhatt, S A, Shaw, Dhananjay, (2017) “Collateral Pressure Distribution at Planter Aspect of Standing Posture of Male Sportsperson as an Indicator of Balance Mechanism”, An International Research Journal of Management Science and Technology, Vol. 8, ISSN: 2250-1959

Shaw, Dhananjay, Ranjit, Kaur (2018) “Effect of Yoga on Stress, Depression and Anxiety”, A Journal of Yoga, Physical Therapy and Rehabilitation accepted and likely to be published in the month of March 2018.

Sharma, Rekha, Shaw, Dhananjay, (2018) “A Study on the Effect of Selected Yogic Practices on Resting Heart Rate and Blood Pressure” accepted and likely to be published in the month of March 2018.

Shaw, Dhananjay, (2018) “Professional and Academic Development in Physical Education and Sports Sciences to be Skilled India A Vision Document 2018”, Proceedings of 4<sup>th</sup> National Conference on Physical Education & Sports Sciences (under the aegis of Ministry of Youth Affairs & Sports), ISBN: 978-93-5300-165-0 (pp. 55-61)

Ahlawat, Umesh, Shaw, Dhananjay, (2018) “Kinematic Analysis of Quadriceps Extension Exercise for Lower Extremities with 15 RM Load”, Scientific Journal in Sports and Exercise (Laxmibai Sports Education and Welfare Society, Vol.14 ISSN: 0974-2964 (pp. 09-17)

Ahlawat, Umesh, Yadav, Nisha Shaw, Dhananjay, (2018) “Kinematic differences among the players/repetitions and between the gender in regard to left (subordinate) leg lunges exercise for lower extremities with 15 RM Load”, An International Journal Academic Research and Development, Vol. 3, ISSN: 2455-4197 (pp. 167-173)

Shaw, Dhananjay, (2018) “Development of regression models for estimating maximal oxygen uptake ( $VO_2$  max.)” of male youth of Kashmir (Habitat of high altitude)”, An International Journal of Physiology, Nutrition and Physical Education, Vol. 3, ISSN: 2456-0057 (pp. 167-173)

**Journals published by the College - PRIYADARSHINI – 2017.**



## **Number of College Teacher's serving as Editor(s)/Member(s) of Editorial Board -7**

### **Seminar Organized**

A Workshop and Training Programme on "Screening Evaluation Procedure For Applications For the Post of Assistant Professor and Roster of NTS" was organized by the Institute for Teaching and Non-Teaching Staff on 14 September 2017 which was addressed by the Assistant Registrar (Colleges), University of Delhi.

An Indo-Australian Conclave on "A Snapshot of our Current Psychology Research : Thinking Globally but Acting Locally" was organized by the Institute on 12 December 2017 which was addressed by the Dr. Steven Christensen and Dr. Andrea Lamont-Mills, University of Southern Queensland, Australia. The Chairperson, Governing Body also graced the occasion.

### **Conferences/Workshops**

A Workshop and Training Programme on "Governance of Colleges" was organized by the Institute for Teaching and Non-Teaching Staff on 13 September 2017 which was addressed by the Joint Registrar (Colleges), University of Delhi. The Chairperson, Governing Body also graced the occasion.

A Workshop and Training Programme on "Screening Evaluation Procedure For Applications For the Post of Assistant Professor and Roster of NTS" was organized by the Institute for Teaching and Non-Teaching Staff on 14 November 2017 which was addressed by the Assistant Registrar (Colleges), University of Delhi.

### **Seminar/ Conference Presentation**

Dr. Dhananjay Shaw served as Resource Person in a workshop of Games and Sports Teacher on 05 August 2017 on the topic "Why Sports Education in School Curriculum – A Scientific Basis and Overview" organised by BBPS Training Centre (C/o Bal Bharti Public School, Pitampura, Delhi).

Dr. Dhananjay Shaw served as Resource Person in a Refresher Course in E-Learning and Digital Learning for the University and College teachers of all streams on 15 September 2017 organised by CPDHE, University of Delhi.

Dr. Dhananjay Shaw presided as Reviewer and Chairperson for the Conference entitled AIFF International Football coaching Conference (IFCC – 2017) organised by Amity University, Noida in Collaboration with All India Football Federation (AIFF) on 11-12 October 2017.

Dr. Dhananjay Shaw presided as Chairperson in the Session in the International Conference on Sports Engineering (ICSE) organised by BITS, Pilani in association with the International Sports Engineering Association, UK under the auspices of Ministry of Youth Affairs and Sports, New Delhi on 23-25 October 2017.

Dr. Dhananjay Shaw served as Resource Person in the TWIF Development & Training Workshop conducted by Tug of War International Federation (TWIF) held at International Youth Hostel, 5, Nyaya Marg, Chankya Puri, New Delhi, India from 7-10 November 2017.

Dr. Dhananjay Shaw invited as Speaker in two-day 4<sup>th</sup> National Conference on Physical Education & Sports Sciences (NCPESS-2018) organized by Physical Education Foundation of India (PEFI) & Sports Authority of India (SAI) under the aegis of Ministry of Youth Affairs & Sports on 09-10 February 2018 and presented Lead Paper "A Vision Document 2018".

Dr. Dhananjay Shaw served as Resource Person in the International Conference on Issues & New Ideas in Sports Management organized by Lakshmi Bai National Institute of Physical Education, Gwalior and Ministry of Youth Affairs, Govt. of India held at Vigyan Bhawan, New Delhi and Vishwa Yuvak Kendra, New Delhi from 8 March 2018 to 10 March 2018.

### **National/International MoUs Signed**

MoU signing is under process with various Institutions of National and International repute.

### **Placement Details**

Total number of students placed in companies=123

### **Extension and Outreach Activities**

Vigilance Awareness Week was observed in the Institute with full zeal and enthusiasm where a pledge taking ceremony was organized on 30 October 2017 in which teachers, non-teaching staff and students of all classes took pledge. Annual Athletic Meet - 2018 was held on 15 March 2018 at IGIPSS Athletics Track organized by the Department of Athletics, Indira Gandhi Institute of Physical Education and Sports Sciences.

## Library Development

Successful implementation of digital library, users of IGIPESS have access to the full text documents in digital format i.e. old question papers, M.P.Ed., B.P.Ed and B.Sc. Syllabus, all Ph.D. thesis and all M.P.Ed. Dissertations awarded from 2013 onwards. Presently IGIPESS library database “Vidya: Library Management Software” put on-line through XAMPP Server. Total Library collection 12489 (9012 Accessioned Books, 2173 Reading Room, 706 Thesis and 598 Department Books) has been computerized in the database and Bar-coded which is searchable through Online Public Access Catalogue (OPAC). Library has organized three library orientation programs to enhance the use of physical and digital information resource.

## Faculty Strength

Total number of faculty: 27

## Financial Allocation and Utilization

Grant sanctioned: Rs. 137000000/-

Grant utilized: Rs. 104113444/-

## Any Other Significant Information

Five students have been awarded Ph.D. which were supervised by teaching faculty of IGIPESS

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## INDRAPRASTHA COLLEGE FOR WOMEN

### Major activities and achievements

The College introduced Honors Courses in Geography and Sociology enhancing the College's Liberal Arts profile. A Cartographic Laboratory was created. National Science Day was observed engaging departments of Mathematics, Computer Science, Environmental Studies, Psychology and Geography. Two Research and Learning Resource Centres - Music Archives and Listening Room and Sanskrit Studies and Research Centre were created. *Sahapedia*, an Online Journal on Heritage, History and Culture posted the History of the College on its web portal and YouTube using the College Museum and Archives. The renovated, redesigned and refurbished Kalavati Gupta Hostel reopened with an increased capacity of 280 seats. The College's journal - Journal of Innovation for Inclusive Development (JIID) obtained a listing in the International Directory of Open Access Scholarly Resources (ROAD). The College hosted the Second Delhi Hindi Mahotsav in collaboration with Vani Foundation. The College was awarded for its proactive environment and waste management policies.

### Honors/Distinctions

Dr. Babli Moitra Saraf, Principal, International Award by All Ladies League & Women Economic Forum, 2017 for “Women of the Decade in Academia”, 13 May 2017.

The College received the World Ecology Environment and Development (WEED), award in the 26th World Environment Congress organized by the Indian Institute of Ecology and Environment.

Dr. Jyoti Trehan Sharma, Venus International Awards by Venus International Foundation, Chennai, India for “Distinguished Women in Social Science”, 4 March 2017.

Dr. Jyoti Trehan Sharma, Active Young Researcher Award by AR Research Publication and Conference World, India for Significant Contribution in the Field of Research, 12 September 2017.

Dr. Harsh Bala Sharma, Active Young Researcher Award by AR Research Publication and Conference World, India for Significant Contribution in the Field of Research, 14 September 2017.

### Students with Distinctions

Principal's Honor Roll for Individual Initiative & Significant beyond Curriculum – awarded to 18 students.

Projects sponsored under the Undergraduate Centenary Decade Research Grant 2017 – 5 projects to students.

Shreya Saksena, represented India for Shooting in Plzen, Czech Republic and Suhl, Germany.

Sports: International Level – 1 Bronze Medal; National Level – 5 Gold Medals and 2 Silver Medals; National Records in Shooting Championships - 3

## Publications

Saraf, Babli Moitra, (2017) *Hey Diddle Diddle: Tun-Tun Tara-Tara*, Vani Prakashan, New Delhi, India, ISBN No. 978-93-87409-45-3.

Gupta Ayush, (2017) *Vaisheshik Darshan Mein Dravya Mimansa*, Kalpaz Publication (Delhi, India), ISBN No. 978-93-5128-342-3.

Kumari, Bibha, (2017) *Shabdo ke Pare*, Pothi.com, ISBN No. 978-93-5267-975-1.

Kumari, Bibha, (2017) *Nainh ta Kanh Par*, Navarambh Prakashan (Patna, India), ISBN No. 978-93-820-13-655.

Oberoi, Bindu, (2017) *The Textile Industry in India: Changing Trends and Employment Challenges*, Oxford University Press (New Delhi, India), ISBN No. 978-0-19-946935-2.

Kumar, Kuldeep, (2017) *US Policy Towards Pakistan, 1980-88*, Gyan Book Publication (New Delhi, India), ISBN No. 978-93-5128-204-4.

Das, Nitoo, (2017) *Cyborg Proverbs*, Poetrywala (Mumbai, India), ISBN No. 978-93-82749-59-2.

Sengupta, Debjana, Jalil, Rakshanda and Saint, Tarun, (2017) *Looking Back: The 1947 Partition of India 70 Years On*, Orient Blackswan (Delhi, India), ISBN No. 978-93-86689-56-6.

Bhargava, Meena, (2017) *Frontiers of Environment: Issues in Medieval and Early Modern India*, Orient Blackswan (Hyderabad, India), ISBN No. 978-93-86392-78-7

Pant, Rashmi, Balachandran, Aparna and Raman, Bhavani, (2018) *Iterations of Law. Legal History from India*, Oxford University Press (Delhi, India), ISBN No. 978-0-19-947779-1.

## Journals Published by the College

*Journal of Innovation for Inclusive Development* (ISSN 2456-4478)

Journal of the Centre for Earth Studies

*CODE*, Journal of the Translation and Translation Studies Centre

**Number of College Teachers serving as Editor(s)/Member(s) of Editorial Board: 17**

## Research Projects

University Grant Commission, July 2015 – July 2018, Subversion on the Margins: A Study of Folk Songs and Oral Narratives from the Regions of Bihar and Bengal, Rs. 7.5 lakhs

Indraprastha College for Women, 2017 - 2018, Locating Siri in Time and Memory, Rs. 12,000/-

Indraprastha College for Women, 2017 - 2018, Online Navigation Map for Indraprastha College, Rs. 15,000/-

Indraprastha College for Women, 2017 - 2018, Democratic Peace Theory: Is War a Means to Peace, Rs 15,000/-

Indraprastha College for Women, 2017 - 2018, The Gandhian Solution: Finding Alternate Answers for Current Indian Developmental Issues by exploring Gandhi's Ideas, Rs 3,000/-

## Seminars Organized

Dr. Milena Brateova, Sofia University, Dr. Tomoko Kikuchi, Japanese Writer, Dr. Babli Moitra Saraf, Principal, Indraprastha College for Women, Dr. Rekha Sethi, Department of Hindi, Indraprastha College for Women, International Symposium on Translation '*The Cultural Challenge*', 02 February 2018.

Josephine Kamsvag, Norway, Patricia Hiramatsu, Japan, Raka Singh, Belgium, Spouses of Heads of Missions (SHOM), and Dr. Babli Moitra Saraf, Principal, Indraprastha College for Women, *Negotiating Other Cultures and Languages-Thrills and Travails of Translation*, 8 September 2017.

Prof. R.B. Singh and Prof. Anu Kapur, Department of Geography, University of Delhi, Dr Ashis Saha, Delhi School of Economics, University of Delhi, Dr. Meena Bhargava and Dr. Surabhika Maheshwari, Indraprastha College for Women, '*Disaster Vulnerability: Coping Strategies*', 13 October 2017

Dr. Sudeshna Basu, Department of Mathematics, George Washington University, *Mathematics and Politics*, 25 August 2017.

Dr. Hephzibah Israel, University of Edinburgh, *The Many Purposes of Translation in India: Re-reading National Histories*, 25 August 2017.

### Conferences Organized

International Conference on *The Fragmented Self: An Interdisciplinary Exploration into the Notions of Self and Identity in Contemporary Life*, 30-31 October 2017, Department of Psychology, Indraprastha College for Women.

Fourth Round Table Conference on *Gandhi Environment and Sustainability*, 06 April 2017, Centre for Earth Studies and Gandhi Study Circle, Indraprastha College for Women.

*Indoor Air Pollution: 'How Safe are We at Home?'*, 22 September 2017, Department of Environmental Studies, Indraprastha College for Women

### Seminar/Conference Presentations

Saraf, Babli Moitra, *Two Traditions of Oral Performance: the Case for South Asia Research Workshop on Translation and the Tradition of Oral Performance*, 24-28 April 2017, NIDA Institute at the San Pellegrino University Foundation (FUSP), Misano, Italy.

Saraf, Babli Moitra, *The Limits of Translation Language and Culture*, 8 May 2017, Department of Italian, University of Oslo, Norway.

Saraf, Babli Moitra, *Finding a Place: Two Case Studies of Translating from India, World Literature in the Periphery*, 11-12 May 2017, Department of Literature, Area Studies and European Language, University of Oslo, Norway

Saraf, Babli Moitra, *Translating Embodied Languages: an Indic Perspective on Multimodal Texts, Intersemiotic Translation, Adaptation, Transposition: Saying almost the same thing?*, 10-12 November 2017, Department of English Studies, University of Cyprus, Cyprus.

Saha, Anindita Roy and Singh, Govind, *Why is the Waste Sector Wasting Too Many Business Opportunities? A Case Study of Delhi, India, Sustainable Waste Management and Environment Protection through Innovation, Integration & Involvement*, 15-17 December 2017, International Society for Solid Waste Management, Air and Water, Hyderabad.

Anshu, *Living through an Early Pregnancy Loss-An Autoethnographic Account, Psychology of Women Section (POWS)*, 12-14 July 2017, British Psychological Society (BPS), Windsor, London, United Kingdom

Srivastava, Anshu, *Measuring Empowerment through Feminist Lens in South Asia, Governance, Human Rights and Regional Cooperation in South Asia: Opportunities and Challenges of Globalization*, 19-20 April 2017, UNESCO Madanjeet Singh Institute of Kashmir Studies, University of Kashmir, Srinagar and HRDC Jamia Millia Islamia, New Delhi.

Khurana, Gunjan, *A New Numerical Method of Order Two in Time and Four in Space based on Third Degree Polynomial Spline Approximations for 1D Quasi-linear Hyperbolic Equations, Current Trends in Theoretical and Computational Differential Equations with Applications*, 1-5 December 2017, South Asian University, New Delhi.

Sharma, Harsh Bala, *The Irony of Being the Common Man, Recent Research Development in Environment, Social Science and Humanities*, 6 August 2017, ICRRDESH 2017 Indian Federation of United Nations Associations, New Delhi.

Sethi, Rekha, *The Feminist Voices from the Margins of Caste and Class: in Context of Temporary Hindi Poetry*, *New Directions in Humanities*, 5-7 July, Imperial College, London, United Kingdom.

### National/International MoUs Signed

International: International Award for Young People

National: Balipara Foundation, Assam for the purpose of knowledge sharing, internship and volunteering activities in the North East on ecology and sustainable development.

Greenobin Recycling for paper waste recycling.

### Other Inter-Institutional Collaborations

Several collaborations were made this academic year. To name a few, All India Foundation for Peace and Disaster Management, Sahapedia, Vani Foundation, Embassy of Sweden, IIT Bombay, National Physical Laboratory, National Skill Development Corporation- Team Lease, International Bridge of Justice, I-MADE, INTACH, Hindustan Times, Enactus, Delhi Heritage Walks (Book Club), International Award for Young People, Wildlife Rescue, Heritage Associates, Jaagruti, Daily Dump, Greenobin, Indian National Association for the Club of Rome, Kusumanjali Foundation, National Association for the Blind, Saksham, Teach for India, Score Foundation *etc.*

### Placement Details

Number and percentage of students placed: 28, (19.17%)

Number of Companies visited for campus recruitment: 8

### Extension and Outreach Activities

The College is an Animal Friendly Campus and Rescued Birds Release Zone. It has adopted the Khyber Pass community of daily wage construction workers, fruit and vegetable sellers and hawkers under the NSS Outreach Programme. It takes care of education and literacy, health and sanitation, awareness and recreation among the members of the community. The College volunteered as a centre for the Central Registration process for University Admissions. The National Volunteering Week was observed with activities such as paper bag making and cleanliness drive. Stalls were put up at the Delhi Cantonment, Dilli Haat and Indira Gandhi National Centre for Arts to showcase the products of project *Aipan*. College collaborated in outreach activities of NGO's like 'Leaders for Tomorrow', '*Goonj*', 'Make a Difference', 'Teach for India', 'Butterflies', 'UMEED', which encouraged students to inculcate values of citizenship and sharing.

### Library Development

Books added during 2017-18: 136

Online Services: OPAC, UGC-NLIST, DELNET

Reprographic Service: Photo copying and printing service

Book Bank Service: Text books for EWS students

PH/VH facilities and services: Fully accessible through Lift, Special cubicles with Computers, Three-in-One Angel Pocket Daisy Player, Daisy Books (Talking books), Braille Books, Braille Magazines, Braille Reference Books – Dictionaries, Jaws enabled computers with scanner, Embosser (Braille Printer)

Lex-Air Camera (Print assisting device) with Notebooks

Library Extended Services: Punjabi, Bengali, Hindi, Sanskrit and English translations are available in the Translation and Translation Studies Centre

The Under-One-Roof facility of the Enabling Unit offers Auxiliary Services of the Library-ICT Centre

### Faculty Strength

Total number of permanent faculty: 88

Total number of temporary faculty: 08

Total number of Ad-hoc faculty: 73

### Financial allocation and Utilization

Grant sanctioned: Rs. 40,49,47,000/-

Grant utilized: Rs. 30,19,84,596/-

### Other Significant Information

The renovated, redesigned and refurbished Kalavati Gupta Hostel and IP Hostel were reopened with total capacity of 450 seats. First National Science Day was observed in the College, engaging with departments of Mathematics, Computer Science, Environmental Studies, Psychology and Geography. Department of Geography in collaboration with the CES organized the World Disaster Reduction Day. The College's journal - *Journal of Innovation for Inclusive Development* obtained a listing in the International Directory of Open Access Scholarly Resources (ROAD). The College hosted the Second Delhi Hindi Mahotsav in collaboration with Vani Foundation. It also staged its Annual Play, STATION.

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## INSTITUTE OF HOME ECONOMICS

### Major Activities and Achievements

Institute of Home Economics today occupies a premier stature amongst the Higher Educational Institutes in India disseminating meaningful, contemporary knowledge and education to women. IHE offers undergraduate courses in Home Science (Hons. and Pass), Microbiology Hons, Biochemistry Hons, B.El.Ed, B.Sc. (Hons) in Food Technology and BA (Hons) in Journalism. PG courses and Ph.D are also offered. The Institute has excellent infrastructure and an outstanding faculty. The faculty of the college is actively involved in Research and Extension activities. During the year 2017-18 we have had about 41 ongoing Ph.D.'s. and 7 completed Ph.D's. To add to this, we have about 15 ongoing projects and a long list of publications. The vision of IHE is to provide an absorbing learning environment complemented with encouragement for co curricular activities aimed at the holistic personality development of every student.

### Honours / Distinctions

Dr. Geeta Trilok Kumar: Member of Scientific Advisory Committee (SAC) of National Agri-Food Biotechnology Institute (NABI) from 2016-2019.

The faculty serves as member of expert groups and core committees with various Ministries and organizations of National and International standing. Ministry of Women and Child Development, Ministry of Health, J&K Government, National Trust for persons with Disabilities, NIPCCD, SCERT, Delhi Public School and UNICEF are a few to mention among them.

Suruchi Garg and Nimisha Sharma (III year Hons) won the 2<sup>nd</sup> prize in poster presentation held on 28 February 2018 at the National Science Day organized by INSA and Indian Academy of Science.

Anjali Gaur: Won gold medal in Delhi University inter- college taekwondo tournament 2016-17; Represented Delhi University at the all India inter-university taekwondo tournament 2017 held at mdu Rohtak; Won silver medal in inter college taekwondo competition held at university stadium, University of Delhi.

Dr. (Mrs) Poonam Magu was awarded 'Teacher of Excellence' in Principals' Summit 2017, organised by Manipal University, Jaipur on 21 April 2017.

### Students with Distinctions

Food Technology - Ms. Kirti Rawal 91.68%

Biochemistry (Hons) - Ms. Prerna Gopal 89.77%

Home Science (Hons) - Ms. Paramjeet Kaur 89.61%

Microbiology (Hons) – Ms. Tripti Kharbanda 87.62%

Home Science (Pass) – Ms. Keerti Naval Wadhwa 85.67%

B.El.Ed.- Ms. Manisha Shokeen 79.04%

### Publications

Gupta, S., Arora, K., Trilok-Kumar, G. (2018) Zinc Content of Cereals and Pulses in Delhi. *The Indian Journal of Nutrition and Dietetics*, 55(2): 227-241.

Aggarwal, S., Goswami, S., Nayyar, T., & Kumar, K. (2018) Gender gaps in Digital Literacy: Perspective of urban rural space. *International Journal of Movement Education and Social Sciences*, 7(Spl Issue 1), pp 219-226. ISSN No. 2278-0793

Chaudhary, H., Gupta, C., Gupta, D. (2017) 'Application of Box Behnken design to optimize the parameters for chemical modification of polyester using sodium hydroxide', *Man made textiles in India*, SASMIRA, November, pg 373-378, ISSN no. 0377-7537.

Christopher PF Marinangeli, Julianne Curran, Susan I Barr, Joanne Slavin, Seema Puri, Sumathi Swaminathan, Linda Tapsell, Carol Ann Patterson. (2017) Enhancing nutrition with pulses: defining a recommended serving size for adults. *Nutrition Reviews*, 75(12): 990–1006.

Chandra, R.; Gulati, R. & Sharma, S. (2017) Quality Early Childhood Care and Education in India: Initiatives, Practice, Challenges and Enablers. *Asia-Pacific Journal of Research in Early Childhood Education*, 11(1), 41-67.

Atheya, R., & Arora, R. (2017) Brunt of stress in managing work-life balance of banking sector employees. International Journal of Applied Home Science, Volume 4 (11& 12), November & December, pp. 1111-1119, ISSN: 2394-1413, RNI: UPENG/2014/3966.

Dalal, J., Pannu, P., Yadav, N. (2017) 'Interface of Mobile Technology in Health and Agriculture: Reflections from the Field' in S. Tikoo (Ed.), Sustainable Development of Women (pp. 600-610). New Delhi: Mark Books. ISBN: 978-93-83131-73-0

Naseem, A., Bhat, Z.I., Kalaiarasan, P., Kumar, B., Gandhi, G., Rizvi, M.M.A (2017) Genetic and epigenetic alterations affecting PARK-2 expression in cervical neoplasm among North Indian patients. Tumor Biology. 39 (6); 1-13

Kashyap, A., Gupta, R., Sharma, R., Verma, V.V., Gupta, S., et al. (2017) New Delhi Metallo Beta Lactamase: Menace and its Challenges. J Mol Genet Med 11: 299 doi: 10.4172/1747-0862.1000299

Suri, M., Sharma, R., Saini, N. (2017) Neuro-Physiological Correlation Between Yoga, Pain And Endorphins. International Journal of Adapted Physical Education and Yoga, Vol. II. Issue.9. pp. 18-32. (ISSN 2455-8958), Impact Factor 4.215 IFSIJ

Manjula, S., Sharma, R., Saini, N. (2017) Physiological responses of Zumba: An overview understanding the popular fitness trend. Indian Journal of Physical Education, Sports and Applied Science, Vol.7, No.4, ISSN-2229-550X (P), 2455-0175 (O)

#### **Number of college teachers serving as Editor (s)/ Member (s) of Editorial board: 7**

##### **Research Projects**

Nutritional status of young children living in slums of south Delhi. Project Investigator: Dr. Geeta Trilok-Kumar,

Professor Rosalind Gibson and Professor Lisa Houghton, University of Otago, New Zealand. Duration: 2 Years.

Funding Amount and Agency: NZD 53, 463 by UGC and New Zealand Research Council. India- New Zealand

Education Council grant.

Project: Consumer Acceptability of Multiple Nutrient Fortified Salts. Project Investigator: Dr Seema Puri and Dr Tejmeet Rekhi. Duration: 6 months. Funding Agency: The India Nutrition Initiative – TATA Trust and Nutrition Impact Solutions.

Funding: Rs. 5,16,000 Lakh

Jyoti Dalal: (ongoing) Project Director, ICCSR minor research grant on 'An Ethnographic Study of Violence in School Practices'

##### **Seminars/ Workshops organized**

Half day Orientation Programme was organized on 31 July 2017 for B.Sc. Food Technology, M.Sc., PGDDPHN and PGDHSG students of the Department. Dr. Shweta Khandelwal (PHFI, Delhi) and Mr. Ratan Mishra (Britannina Ind. Ltd.) were invited as Guest speakers. They appraised students about future prospects in the area of Public Nutrition and Food Industry respectively.

Session on Women Entrepreneurs: For developing entrepreneurial skills, an interactive session was organised on 3 August 2017 for the students of B.Sc. (Pass) Home Science, Semester - V. The session was conducted by Ms. Tripti Shinghal Somani, Managing Director and CEO, COWE (Confederation of Women Entrepreneurs).

Workshop on 'Designing Moodboards in Interiors': A workshop was organised by Pearl Academy on 31 October 2017 to train the students to design moodboards on various themes.

Department of Biochemistry with PETA organized a two day symposium "REPLACING REGULATORY EXPERIMENTS ON ANIMALS: Introduction to *In Silico* Models and *In Vitro* Test Methods" on 26-27 October 2017

"An interactive career counselling session" was held on 4 September 2017 by Mr. Priyank Singhvi, phd scholar from National Institute of immunology.

## Conferences Organized

The Microbiology department celebrated its silver jubilee by organizing a two-day conference – “Microbiology: Current Challenges and Future Trends” on 10 -11 January 2018

One- day consultation workshop on ‘Mapping the vulnerability of women in India to climate’ change under the Project entitled ‘Mapping the Vulnerability of Women in India to Climate Change at the sub-National Scale’. As part of India’s Third National Communication (TNC) to the UNFCCC on 18 May 2018. Funding agency: (MOEFCC), Government of India

## Seminar/Conference Presentations

Panel Moderator for Session IV- ‘Empowering the Villagers’ *Smart Village Conclave* under One Mega Event. Co organisers Centre for Excellence IOT (Internet for Things), a joint venture of MeitY, ERNET and NASSCOM; ITPO (India Trade Promotion Organisation) and Exhibitions India Group. Held on 25th May, 2018, Conference Room E, Hall 12, Pragati Maidan

International Conference on Women’s Work & Occupational Health- Emerging Issues, Challenges & Policy Measures in the Unorganized Sector (WWOH-2018) held at Arya PG College (College with Potential for Excellence Status by UGC), Panipat (Haryana), India, on 24<sup>th</sup> & 25<sup>th</sup> March, 2018 and presented Papers “Online Activism on Violence against Women in India” by Ms. Swati Mirani Dr. Parveen Pannu, Dr.Charru Malhotra and Paper “Interface of Mobile Technology in Health and Agriculture: Reflections from the Field by Neha Yadav, Parveen Pannu, Jyoti Dalal

Aggarwal, J., Verma, V., 2017, ‘Factors Affecting Clothing Preferences of College Going Girls’, presented at second International Conference on Apparel, Textiles and Fashion Design, Colombo, Sri Lanka, March 24-25

Arora, G., Aggarwal, J., 2017, ‘Impact of Media on Body Image and Clothing Preferences amongst Women’, presented at National Seminar on Women and Development: Issues and Challenges, sponsored by ICSSR, held at Lakshmi Bai College, University of Delhi, on March 3-4

Dr Seema Puri presented on “Consumer Acceptability of Double Fortified Salt”, at Dissemination Workshop for DFS Goes to Scale - Scaling up Production and distribution of Double Fortified Salt, IDRC and TINI, New Delhi, 7 June 2018.

Dr Seema Puri “Ensuring successful ageing in the 21st century: Challenges for home economists”: Keynote Address at IFHE Council and Symposium 2018, Khartoum, Sudan, 25Feb- 1 March 2018.

Mishra, S. (Apr. 2017). Presented paper titled '*Cloud and River as Lovers- Role of Grammatical gender in Hindi songs*' in International symposium on Figurative Thought and Language, Osijek, Croatia. (Awarded for outstanding presentation).

Dr. Ritika Kar Bahal: poster presentation at the “5<sup>th</sup> Global Forum for TB Vaccines”, International Conference, New Delhi, India, February, 2018. Poster title: *bioA mutant of Mycobacterium tuberculosis shows severe growth defect and imparts protection against tuberculosis in guinea pigs*.

Aggarwal, S & Nagpal, Nitika (2018). Microbiological assessment of Drinking Water in Hauz Khas, New Delhi. Poster presented at National Science Day, New Delhi.

## Other Inter – Institutional Collaboration

The department of Human Development and Childhood Studies collaborated with various organizations working in the field of child rights, human rights, gender, education, disability, adolescent well-being and mental health issues.

To inculcate scientific aptitude & to orient the students in innovation and research, the Microbiology department is also a part of ‘Science Setu Programme’ conducted by NII.

## Placement Details

9 students opted for job placements out of 50 students.

## Extension and outreach Activities

A workshop was organized for school students on 28 November 2017 on Basic techniques of Microbiology under star college scheme. The College has started a project ‘Sanrachna’, an initiative to provide employment to underprivileged women and girls by providing them with the skills of making creative accessories from remnant clothes like bow pins, rubber bands, earrings, hand bands etc. These products were displayed for sale in various college fests. Around 100 volunteers of NSS unit from the college actively participated in various activities that involved working with the community, markets, metro



stations, NGOs, schools and college students. Events like Swachhta Pakhwara and Unity week were conducted to motivate general public regarding cleanliness of public places. VISAKA campaign was organized to educate and mobilize shopkeepers of nearby markets for adopting digital payments.

### **Library Development**

The Institute has a fully computerized library with adequate infrastructure and a rich collection of more than 25,000 reference materials in the form of text/reference books, journals, thesis and periodicals. The Institute subscribes to nearly 40 national, international and DU journals. A bar code system with smart cards and scanners is used for the circulation of books. Laptops are available to students for finding the location of books in library and accessing online resources made available by Delhi University.

### **Faculty Strength**

Total number of permanent faculty: 45

Total number of Ad-Hoc faculty: 48

### **Financial Allocation and Utilization**

Grant Sanctioned: Rs. 2074.29 Lakhs

Grant utilized: Rs. 2388.63 Lakhs (unaudited)

### **Other Significant Information**

In the pursuit of promoting excellence in extra curricular activities, IHE has various societies viz. Arts, Western Dance, Fashion, Classical Indian Music, Drama, Literary and Debating. Each of these societies have won accolades at various forums in the University and beyond.

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## **JANKI DEVI MEMORIAL COLLEGE**

### **Major Activities and Achievements**

Janki Memorial College completed the process of accreditation by the NAAC and was awarded a B++ grade (2.76) on 12th September 2017. Braille signage and tactiles have been added within the building as well as outside. An emergency entry/exit has also been created at the main entrance. The signage system throughout the college has been overhauled. The Basket Ball Court has been reconstructed and it promises to provide the best court facility to a future Basketball team of the college. The construction work of the Hostel named 'Krishna' is now completed. Apart from infrastructural changes the college has strengthened its administration by procuring automation software that takes care of Admission, Time Table, Monthly Attendance, Internal Assessment, Stock Management, Maintenance of Leave Record, Payroll and financial accounting etc. Apart from this an event TEDx JDMC was independently organized under TED event for the first time ever by Ananya Malhotra and her team. The event was a thumping success and one which promises to propagate ideas and welcome innovation. 11 speakers from different fields shared their ideas and innovations.

### **Outstanding Honours/Distinctions**

Girl Centric Tertiary Education and Training Award at World Women Summit organised by the Women's Agency for Generating Employment on 8 March 2018 on the occasion of International Women's Day.

World Ecology, Environment and Development (WEED) Award at 26th World Environment Congress organised by Confederation of Indian Universities, Indian Institute of Ecology and Environment, National Institute of Cleanliness Education and Research on 8 November 2017.

Dr. Rajyalakshmi of Sociology Department received Be the Change - Nari Udhya Award on 5 September, 2017 celebrating Teacher's day from Gandhi Smriti and Darshan Samiti and Chetana (NGO).

Dr. Saumya Gupta, History Department, was awarded the Charles Wallace India Trust Research Grant 2017-18 for research in UK

Dr. Swati Pal, was awarded with Exceptional Women of Excellence in Academia 2017 by All Ladies League and Women Economic Forum for her contribution to the academic world

### Students with distinctions

B.A. (Hons) Economics 3rd year - More than 88% students secured first division

B.Sc. (Hons) Mathematics 3rd year - More than 90% students secured first division with 98.31% pass results.

B.Com (Hons) 3rd year – More than 86% students secured first divisions with 98.63% pass results.

In second year, B.A. (Hons) English, Hindi, Political Science and B.Sc. (Hons) Mathematics secured 100% result.

B.A. (Hons) History, B.Com (Hons), B.Com and B.A. (Prog) secured more than 98% pass results.

### Publications

Murthy, Bhanu, K.V., Gambhir, S. (2017) International Trade and Foreign Direct Investment: Empirical Testing of the Trade-Environment Triangle. *Transnational Corporations Review*, vol. 9, no. 2: pp.122-134.

Charan, A., Puri, P., Bansal, E. (2017) Social Media Marketing and Cognitive Development in Indian Youth. *Delhi Business Review- An International Journal of Society for Human Transformation & Research*. Vol. 18, no.1, : pp.101-113.

Bansal, S. (2017) Convergence and Regional Disparities across Major Indian States. *VEETIKA-An Interdisciplinary International Research Journal 2015 QT Analytics*. Vol. 3, no. 4

Jolly, T. (2017) Demonetisation and its Implementation in Financial Reformation. *Business Sciences International Research Journal*. Vol. 6, no. 1, : pp. 41-49. ISSN 2321-3191.

Pal, P. (2017) Social Security Provisions for India's Informal Economy. *International Journal of Research in Social Science and Humanities*. Vol. 7, no. III, : e-ISSN: 2249-4642, p-ISSN: 2454-4671.

Pal, P., Kumar, A. (2017) Some linkages of Irrigation with Productivity. *International Journal of Social Science and Economic Research*. Vol. 3, no. 1, : pp. 361-370. ISSN: 2455-8834.

Manchanda, D. (2017) Farmer Crisis in India and Loan Waiver Policy. *Research Directions International Multidisciplinary Research Journal*. Vol. 5, no. 6, : ISSN: 2321-5488.

Khandelwal, P., Jasmin. (2017) Does Inequality Lead to Greater Inequality in India? *International Journal of Research in Humanities, Arts and Literature*. Vol. 5, no. 9, : pp. 81-102. ISSN (P): 2347-4564, E-ISSN:2321-8878

Jain, I. (2017) Feminist Processes and Performance: Interventions in Anamika Haksar's Antar Yatra. *Theatre Research International* 42.3: 333-341.

Madhwi. (2017) International Network for the History of Hospitals: IV. *Society for the Social History of Medicines*, The Gazette, no. 78. University of Oxford, UK

### Research Projects

Oxford University Press 2017-18 (12 Months) - Virtual Learning, Teaching Simulation Project. Rs. One Lakh, Mentor – Dr. Swati Pal, Principal

### Seminars Organized

Department of Commerce in collaboration with the Department of English, JDMC - Prof. Annette Ammeraal, IBMS Lecturer Marketing, University of Applied Sciences Utrecht delivered a lecture on “Strategies in Emerging Markets”. 10 November, 2017.

Department of Economics - Mr. Kushal Mohta, Academic Regional Manager, Endeavor Careers. “How to Crack Personal Interview through Effective Communication”. 17 January, 2018.

Ms. Sunita Malhotra, the resource person from World Bank. “Open Data Development Initiatives” delivered a talk on 13 September 2017.

Department of English - Dr. Oinam Kamala Kumari, Assistant Professor, Amity University, Noida (U.P.) delivered a lecture on “Manipuri Poetry and Thangjam Ibopishak”. 8 November 2017

Department of HDFE - Dr. Sanjay Sachdeva, Director, Max Health Care (ENT) delivered special lecture on “Hearing Impairment in Children”. 28 February 2018.

### **Conferences Organized**

Mr. T.S. Gopal, Honorary Secretary, Scientific Research Association for Economics and Finance (SRAEF), Chennai on the topic “Economics Beyond Textbooks: In Day to Day Life”. 6 Feb. 2018.

Dr. Fransisco Marmolejo, Lead Tertiary Education Specialist, World Bank on “Skill Development in India”. 24 October 2017.

Prof. Sunil Kanwar, Delhi School of Economics on “Science, Technology and Innovation in India”. 27 September 2017.

CA Rajeev Saxena on “Goods and Services Tax”. 30 August 2017.

### **Seminar / Conferences presentations**

Rajshree Chandra. “Forest Rights: Notes on an Alternative Political Agenda for Property Rights”. Law Society Association (USA), Mexico City. 20 June, 2017.

Namita Sethi. “Secret History in Eliza Haywood’s Memoirs of a Certain Island Adjacent to Utopia and The Secret History of the Present Intrigues of the Court of Caramania. 47th International Annual Conference of the British Society of Eighteenth-Century Studies. St. Hugh’s College, Oxford, UK. 3-5 January, 2018

Saumya Gupta. "Of Vitamins and Minerals: A New Vocabulary for the Post Colonial Indian Kitchen". International Workshop on Contours of Culinary Transformations in South Asia, Nakanoshima Center, Osaka University, Osaka Japan, 26 September, 2017

Saumya Gupta. "Traditional Cuisine, Modern Kitchen: Reimagining Everyday Cooking in Post Colonial India," Paper presented at the 30th Annual Conference of the Japanese Association for South Asian Studies (JASAS), Tokyo University, Tokyo, Japan. 23-24 September, 2017.

Saumya Gupta. "You are What you Eat: Caste and Cuisine in India," at the Association for Asian Studies (AAS-in-Asia) Conference, Asia in Motion: Beyond Borders and Boundaries, Seoul, South Korea. 25 June, 2017.

Neelu Verma. "Internet Impact: A Study on Ill Effects of Internet on User", 11th International Conference organized by Tecnia Institute of Advanced Studies, Delhi. 15 April, 2017

Trisha Jolly. “Demonetisation and its Implementation in Financial Reformation”, International Conference on Corporate Social Responsibility, Demonetization, Globalization and Business Sciences, IMRF, Mysore, Karnataka, India. 19–20 January 2018.

Puja Pal. “Global Agro Retail Networks and Some Implications for Farmers”, International Conference on Global Agro-Value Chain, Harare, Zimbabwe, 15 -19 January, 2018.

Madhwi. "Circulation of Labour and Circulation of Medical Knowledge: Colonial Mauritius and Natal 1834 -1920", in the panel ‘Medicine and Disease’ in the Global History Student Conference, organized by Center for Global History, Friedrich-Meinecke-Institute, Freie Universitat Berlin. 20- 21 May, 2017.

Madhwi. “Beautification of Coolie Hospitals and Inmates: Colonial Mauritius c. 1850-1911”, International Network for the History of hospitals, organized by the University of Warwick and the Mediterranean Institute University of Malta. 6-8 April, 2017.

Rahul Kumar Maurya. “Revisiting Rorty’s Notion of Truth”, conference Revisiting Richard Rorty at University of Minho, Braga, Portugal. 25-26 September, 2017.

### **National/International MoUs Signed**

ALS Wellness Network Pvt. Ltd. (ALS)- The Company – with a brand name ‘ZYEGO’ is engaged in the business of providing counseling, wellness and emotional support services to cater to the needs of students, faculty and non-teaching staff.

University of MÜNSTER, Germany- The mandate is to coordinate and collaborate in academic activities with effective and mutually beneficial cooperation envisioning development of academic and cultural exchange, internationalize the standards of higher education and encourage direct contact between our students and their staff of various faculties and institutes.

ATS InfoTech Pvt. Ltd.- A Microsoft-AEP (Authorized Education Partner)- The company would be offering International Certifications to the interested students from different vendors at academic discounted price and those who volunteer for paying exam fee would be getting bundled training fee free of cost mapped to the certifications. Free of charge, FDP once a year for the faculty members will also be provided.

Breakthrough Trust- an international human rights organization which promotes values of equality, justice, and dignity around the world- will be moderating the 'Media and Technology' module of an add on course offered by the Sociology Department, JDMC. The title of the course is 'Safe City and Inclusiveness' for the academic year 2017 -2018. As part of the engagement, Breakthrough will be building the capacity of the students in understanding the intersection between media, technology and gender. It will also be conducting skill building training on social and digital media.

Bliss Foundation- The aim of this alliance between JDMC and Bliss Foundation is to sensitize faculty and students at JDMC and to train them in Breast Self Examination (BSE). At a later stage, other schools/ colleges in the vicinity will also be made aware about the causes and implications of Breast Cancer. It will also familiarize them with signs, symptoms and procedures of early detection. This will be done through workshops, surveys, questionnaires and other modalities to arrive at better practices regarding disease control through social awareness.

ICT Academy- is an initiative of the Government of India in collaboration with the State Governments and Industries. It endeavors to train the higher education teachers and students thereby developing the next generation teachers and industry ready students.

### **Placement details**

Number and percentage of students placed-42 i.e. 5 percent

Number of Companies visited for campus recruitment- 31 (4 on campus and 27 off campus)

### **Extension and Outreach work**

The college organized a free health check-up camp for the Staff and Students and also organized a blood donation camp in collaboration with Blood Connect, India's largest student run initiative. JDMC adopted a slum on Mandir Marg. Organised a relief camp Project Warmth and sent large number of warm clothes to Goonj (NGO). The students of Sociology department participated in the "One Billion Rising" at the Central Park, Connaught Place to show their solidarity against the exploitation of women and end sexual violence.

### **Library Development**

Text Books – 74378

Reference Books- 3223

Journals – 68

e-Journals – 2

CD & Video - 165

E-Resource: Subscription to Analyst database through INFLIBNET

### **Faculty Strength**

Total number of faculty: 142 (includes permanent and adhoc faculty)

### **Financial Allocation and Utilization**

Grant Sanctioned : Rs. 36,15,32,000/-

Grant utilization: Rs. 33,94,69,271/-

### **Any other significant information**

Girl Centric Tertiary Education and Training Award at World Women Summit organised by the Women's Agency for Generating Employment on 8 March 2018 on the occasion of International Women's Day. World Ecology, Environment and Development (WEED) Award at 26th World Environment Congress organised by Confederation of Indian Universities, Indian Institute of Ecology and Environment, National Institute of Cleanliness Education and Research on 8 November 2017.

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## JESUS AND MARY COLLEGE

### Major Activities and achievements:

The year 2017-18 is a landmark year in the history of Jesus and Mary College as it celebrated its Golden Jubilee year with a great deal of zest and pride in its achievements of the past 50 years. The academic year commenced with the Golden Jubilee Celebration inaugurated by Hon'ble President of India Shri Ram Nath Kovind. College launched a prestigious school project in collaboration with NDMC wherein the students of Bapu Dham Higher Secondary school will receive an all round higher education through activities organized by the staff and students of the College in the field of fine arts, sports, mind development etc. The prestigious B. Voc Program introduced in 2016 successfully completed 2 years in Retail Management & IT and Health Care Management. The objective of these courses is to give industry relevant training to meet rising demand in the healthcare and retail sector and make students job ready.

### Honours/Distinctions

Ms. Richa Malothra, Psychology Department received the Research Award (November 2017) by Solution Focused Brief Therapy Association (SFBTA) at Annual Conference held in Santa Fe, USA.

Dr. Renny Thomas, Sociology Department was awarded Charles Wallace Fellowship in Social Anthropology (2017-18) by Queens University, Belfast UK.

Dr. Vanita Chopra, B.El.Ed Department was awarded as a Mentor in Aptis Action Research Member Scheme by the British Council, India.

Dr. Sushila Ramaswamy, Political Science Awarded ICCR Empanelment for its India Chairs Abroad, 2017.

### Students with Distinctions

Swastika Mohan, Psychology Department Presented the paper titled Self Awareness Enhancement Techniques at IALSE, International Conference, 2018.

Richa Wadhwa, Commerce Department was awarded, The Sankar Aiyar Memorial Prize for Commerce Students.

Saniya Singh Political Science Department Interned with the United Nations office on Drugs and Crime in Vienna since February 2018.

### Publications

Radhakrishnan, S. (2017). The Spirit of Volunteerism : A Study of Psychological Dynamics Underlying Volunteerism in India. Pragun Publications (ISBN: 9789380397726)

Mishra, S., & Pathak, V. (2018) Understanding Youth in the Indian Context. Indian Journal of Health and Well Being, 9(2), 321-323

Abraham Molly (Under print) A Saga of Tolerance and a Legacy of Posterity: Catholic Visionaries and Women Empowerment in North India (1842-1968), Delhi Ruby Press & Co. ISBN No. 978-81-933788-8-5

Nandhi, Mani A. (2018) Effects of Mobile Banking on the Savings Practices of Low Income Users: The Indian Experience' in edited volume Money ISBN 978-1-78533-653-9 pgs 266-286.

Bhatia, N., Sarin, C (2018) Insurance and Risk Management: Fundamentals & Applications Delhi Private Learning. ISBN no 978-93-8384-8461

Chopra, Vanita (2017) CCE : Gap Between theory Practice, Lang Lit, ISSN 2349-5189, Pg no 85-9

Ramaswamy Sushila, Women in Political Thought; Quest for gender quality and beyond, Hyderabad, Orient Black Swan 2018 (ISBN 978-93-86689-58-0) xiv+408 pages.

### Journals

The College published its e-journal The JMC Review with ISSN No., 2456-9550

### Seminar/ Conference Presentations

Dr. Sneha Kapoor, Psychology Department, Presented a paper on 'Child Sexual Abuse: Risk and Impact at National Trauma Conclave at All India Institute of Medical Sciences, New Delhi ( March 2018)

Ms Bhumika Kapoor, Psychology Department, Presented a paper titled 'Understanding Globalization and Its Implications for Identity' in the 27<sup>th</sup> National Academy of Psychology ( NAOP) Conference, India jointly organized by Indian Institute of Technology, Kharagur, held during December 22-24 ((2017)

Dr Vinita Kshetrapal, Psychology Department, Presented a paper titled 'The Messiah and the Mis-attuned Mother' at the fifth International Indo-Italian Psychoanalytic Conference" Psycho analytic Exploration of Darkness in Culture and Clinic" held at Ambedkar University, Delhi on January 12-14,2017

Dr. Nilima Chitgopekar, History Department, Presented a Paper on 'The Star and the Lion: Contextualizing Sir Syed Ahmad Khan and Lala Lajapat Rai in Late 19<sup>th</sup> Century, India at Center for Advanced Study, Department of History, Aligarh Muslim University

Dr. Renny Thomas, Sociology Department presented a paper on ' Science, Religion and Rationality' at New Perspectives on Science and Religion in Society Conference at held at Manchester, UK on 29<sup>th</sup> June to 1<sup>st</sup> July 2017

Dr. Renny Thomas, Sociology Department presented an Invited lecture on Ayudha Puja, On Machines, Rituals and Beliefs at University of Pennsylvania Philadelphia, USA on 9<sup>th</sup> Oct, 2018.

Dr. Reena Marwah, Commerce Department Presented a paper titled. The Role of the State I infrastructure development for Connecting with south East Asia at the Rajasthan University conference on January 24,2018

Vanita Chopra, B. El. Ed Department Presented a paper on Issues and challenges of being English ; language teachers-cum0material developers : A Perspective at a National Conference titled as Language literature and society: A contemporary Educational Discou under the aegie of MHRD-IASE on 3<sup>rd</sup> May 2018.

### **National/ International MoUs signed**

An MoU has been signed with New Delhi Municipal Corporation with the objective of conducting different programmer/ activities in the Higher Secondary School, Bapu Dham to bring about a holistic development in the education of school children.

### **Placement details**

Number and percentage of students Placed -100 approx (50%)

Number of Companies visited for campus recruitment – 40 approx

### **Extension and Outreach Activities**

Suicide Prevention Awareness Campaign (Jijivisha) organized by Psychology Department from 1-8 September 2017. Story telling by Students of Commerce Department for the underprivileged children in collaboration with the NGO for Seva in August 2017. Seminar cum Panel Discussion on Ill Effects of Substance and Drug Abuse in collaboration with Delhi Government and Udaan was organised on 28 Sept 2017. Sanitary Napkins Collection and distribution at the Slum Drive was conducted on 15 February 2018 and clothes donation drive in collaboration with the NGO" WE CLOTHE THEM' was organized on 28 February 2018.

### **Library Development**

Jesus and Mary college library acquired 890 books during year 2017- 2018 and also subscribed 79 National Journals including popular magazine and 16 Foreign Journals. A collection of 10 newspapers are available in the library. The total collection of library has been augmented to 54165 books. It subscribed to access for thee - resources (6000+ ejournals and 97000+ ebooks) through n- list Infflibnet.

### **Faculty Strength**

Total number of permanent faculty: 78

Total number of Adhoc faculty: 48+2 (B.Voc)

### **Financial Allocation and utilization**

Grant sanctioned: Rs.2682.95 lakhs

Grant utilized: Rs. 2504.23 lakhs

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## KALINDI COLLEGE

### Major activities and achievements

Kalindi College presently caters to 7354 undergraduate regular, non-collegiate and SOL students and 73 postgraduate students. College received three prestigious awards. First the College was recommended “European Quality Award in Education sphere” for the quality services offered by our institution, exemplary educational management, and teaching methods; by International Socrates award nomination committee, Lucerne, Switzerland in July, 2017. Second, college was also conferred with “Best Managed Campus Award” on the occasion of 38<sup>th</sup> World Management Congress on 21 December 2017. Third, award was “Girl Centric Tertiary Education and Training Award” for outstanding contribution in the area of Women’s Education and Empowerment on 8 March 2018. Eight new projects to be undertaken in near future. Teaching and Non-Teaching staff of Kalindi College joined hands to support manual scavengers and support project Rehmat by donating for the cause and providing money amounting to Rs 29,430/- (Twenty Nine Thousand Four Hundred and Thirty only) for the project.

### Honours/Distinctions

Dr. Anula Maurya , Principal, Conferred with “Leading Educationist of India Award” & “Dr. APJ Abdul Kalam Award” for amazing manner and enduring excellence towards the welfare of the people on 20 March 2018 by Friendship Forum.

Dr. Anula Maurya , Principal, Conferred with “Best Indian Golden Personalities Award 2017” for individual excellence in recognition of flattering merit excellent performance and outstanding contribution for the progress of the Nation & Worldwide on 17 November 2017.

Dr. Anula Maurya , Principal, Felicitated with “Certificate of Felicitation” for her outstanding contribution and praiseworthy achievement in her chosen field in the conference on “Economic Growth and National Unity” on 17 November 2017 organized by Friendship Forum.

Dr. Pushpa Bindal, Department of Political Science received “Award for College Lecturer 2017-18” from Directorate of Education, Government of Delhi.

Dr. Manjulata, Department of Sanskrit was awarded with “Sanskrit Samaradhak Sammanpatr” by Delhi Sanskrit Academy.

### Students with Distinctions

Bhawna Chauhan from B.A. (Hons) Journalism graduated with First Rank at the University level.

Ritika Dua from B.A. (Hons) Journalism graduated with Third Rank at the University level.

Urja Biswas from B. Sc Life Science III Year (VI Sem) was awarded Nargis Sunil Dutt Girl of the Year (For Maximum number of Prize) and the All Round Prize of Excellence (For Academics).

Srishti Singh from B.A.(H) Journalism II Year (IV Sem) was awarded the Principal's Prize (For All Round Student)

Shruti Grover from B. Sc Life Science III Year (VI Sem) was awarded the Shiv Pal Goel Memorial Prize (For Academic Excellence).

### Publications

Maurya,A . and Chand, K. (2018) “भारतीय सामाजिक चिन्तन में व्यक्ति, परिवार एवं समाज”. Delhi, J..B . Publishing House, Delhi. ISBN 978-93-87827-01-1

Das, C. (2017) book “*In the Land of Buried Tongues: Testimonies and Literary Narratives of the War of Liberation of 1971*”. New Delhi: Oxford University Press

Sahdev, S. and Kumar, M. (2018) Environment and Sustainable Development: A Geographical Appraisal. New Delhi, ND: Concept Publishing Company Pvt. Ltd.

Mangla, S (ed.), 2018, “अंतर्राष्ट्रीय राजनीति एवं विश्व संबंधो का इतिहास” Kaveri Books, New Delhi, 2018, ISBN. 9788174792129

Goyal, N. (2017) “Sanskrit Sahitya: Padyakavya”. VidhyPrakashan. Delhi. 978-93-855539-31-2

Goyal, N. (2017) Laghusiddhandakaumudi, Vidhyanidhi Prakashan. Delhi. ISBN 978-93-85539-55-8

Bindal, P., Srivastava T., Ananya, Dhankhar, A. (2017) "Experimental Study of Microbending Losses in Optical Fiber," ICEPMU – 2016: Technology Letters Conference Proceedings of the *International Conference on Engineering Physics, Materials and Ultrasonics*, pp. 37-40.

Mishra, R.R. (2017) Society, Religion and Biodiversity Conservation in India. The Clarion-Multidisciplinary International Journal 6 (2) 53-58. Print ISSN: 2277-1697, Online ISSN: 2277-937X

Tyagi, R. (2017) "The President of India: The Constitutional Head with Discretionary Powers", *Indian Journal of Public Administration*, 63(3) September 2017, (Special Issue: Discretionary Powers of the President and Governors in India in Constitution & Practice), pp. 330-351, ISSN 0019-5561

### Research Projects

Project Title: X-Ray Spectroscopy of Highly Charged Slow Ions with Atoms and Solids. Principal Investigator: Dr. Punita Verma, Funding Agency: Inter University accelerator centre (IUAC), New Delhi, Allocated Amount: All funds available at IUAC. Tenure: 2013 - ongoing

Project Code: Major UFR No. 58324, Project Title: Molecular orbital approach to the inference of x-ray measurements at small inter atomic distances, Principal Investigator: Dr. Punita Verma, Funding Agency: Inter University accelerator centre (IUAC), New Delhi, Allocated Amount: Rs. 6,43,000/-, Tenure: 2016 onwards for 36 months

Project Code: ECR/2017/000590, Project Title: Functional interaction between vasotocin and corticosteroids in catfish *Heteropneustes fossilis*, Principal Investigator: Dr. Varsha Singh, Funding Agency: DST- SERB, Allocated Amount: Rs. 23,07,201/-. Tenure: 2017 for 3 Years.

Title of Project: Academic Consultant for "Major Research Project" of "Museum of Prime Ministers of India", Principal Investigator for Indira Gandhi: Dr. Ruchi Tyagi. Project under: Nehru Memorial Museum and Library (NMML), Ministry of Culture, Government of India, Teen Murti House, New Delhi. Project Started: November 2017, Project Period: Initially for a period of six months, to be extended at the discretion of NMML

### Seminars Organized

The Dr. B. R. Ambedkar Study Centre organised two-day National Seminar on "Dr. Ambedkar on Women's Rights in India: Issues and Prospects" in collaboration with Dr. Ambedkar Chair in Social Justice, Indian Institute of Public Administration (IIPA), was organized on this occasion on 6 and 7 December, 2017.

A students' seminar titled "Representing Depression: Cultural Perceptions of Illness" was organised by Mitrakshar, The English Literary Society, On 13 February 2018 in the Seminar Room.

A Students' Seminar was organized in all 41 papers were presented by the students of B.A(H) and B.A (P) students on topics like global issues and debates, gender equality in India, crime women and society and different issues in Indian Politics, on 27 February 2018.

### Seminars/Conference Presentations

Sahdev, S, Presented research paper entitled "Dr. Ambedkar's Vision on Environment: A study of Water Resources in Uttarakhand State" in the National Seminar organised by Department of Journalism on "Dr. Ambedkar on Women's Rights in India: Issues and Prospects" held on 6-7 December 2017.

Sharma, M presented paper on Vartmaan Filmon mein Stri Sashaktikaran ka Swaroop Hindi Cinema aur Loknatya: Bhav aur Abhinay in an International Seminar organised by Janki Devi Mahavidhyalaya, DU on 8-9 March 2018

Tyagi, R, "Election Related Constitutional and Statutory Provisions" presented in 'Annual National Conference 2018' on the theme of 'One Nation One Election' sponsored by Indian Council of Social Science and Research (ICSSR), and organized by Rambhau Mhalgi Prabodhini held at the RMP-KEC Campus in Uttan, Bhayandar, Thane (Near Mumbai) on 20-21 January 2018.

Dhal, S, International Conference: presented paper on 'Empowering Women through E-Governance: Capacity Building as an Enabling Measure', organized by North-South University Dhaka and University of Bergen, Norway, 18 -19 November 2017

Mangla, S, "Ambedkar's Endeavour for Women's Emancipation: With special reference to the Economic Empowerment" in National Seminar on Dr Ambedkar on Women's Rights in India; Issues and Prospects organized by Dr. B. R. Ambedkar Study Centre, Kalindi college (University of Delhi) in collaboration with Dr. Ambedkar Chair in social Justice, Indian Institute of Public Administration (IIPA), sponsored by Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, on 6-7 December 2017.



**National/International(MoUs)signed**

Memorandum of understanding (MOU) with Institute of Bioresources and Sustainable Development, Imphal, Manipur, to set up an IBSD-Kalindi Centre for Women Entrepreneurship in North East at Kalindi College.

NSS unit of the College signed a Memorandum of Understanding (MoU) with IIT Delhi for the INDIAN ROAD SAFETY CAMPAIGN - IRSC, a National Project with the maxim to inculcate significant Road Safety and prohibit catastrophes on roads.

Several other MOUs were signed as follows:

Indraprastha Sanjeevani, NGO

TERI School of Advanced Studies (TERI SAS) and Kalindi College

R.K Films and Media Academy with Kalindi College

Englitute Academics LLP, New Delhi and Kalindi College

IQAC, Kalindi College and Connecting Dreams Foundation

B.Voc (Printing Technology) and B.Voc (Web Designing) with DainikJagran, Noida for B.Voc (Printing Technology) and Sisoft Technologies for B.Voc (Web Designing)

**Placement details**

Number of students getting successful placements-25

Number of Companies\Industries coming for campus recruitment -16

Number of repeat recruiters-00

**Extension and Outreach Work**

Connecting Dreams Foundation (CDF), Kalindi College chapter, operative since March 2017, aims at providing education to underprivileged children in schools. Project 'DREAM KEY LIBRARY' started in April 2017 under which a library was constructed in Khalsa School, RK Ashram for underprivileged children. In September 2017, the social responsibility cell came up with its project 'KILKARI'. Taking into consideration the increasing dropout rates, a KILKARI pathshala was introduced to make every child compatible enough to be able to read and write. A Kilkari pathshala in the slum areas of Jhandewalan with a strength of around 20 kids is being conducted every 4 days in a week where a team of volunteers teach main subjects like English, Maths, Hindi and EVS/GK/Moral Science. Kilkari pathshala in second phase introduced in the slum areas of Todapur, Inderpuri and Patel Nagar having a strength of 40 children in each centre. As a part of recreational activity, dance classes also being conducted regularly in the centres. Under project, 'MASOOM' volunteers of the college interacted with a lot of organisations on, day to day experiences the team realized that the community of special people needs a lot of attention. time with the mentioned community and work towards their welfare and development.. When it comes to achievement Enactus Kalindi team has bagged first prize in the Social B-Plan competition held at NSIT Delhi and second prize in B-Plan competition held at JIMS Kalkaji.

**Library Development**

The library resources have been enhanced during the year 2017-18 and the total collection of the library reached up to 81,889 books including Book Bank and Student Aided Fund books. The Library users have been able to enlighten themselves by going through the newly added books. At present library is subscribing 106 magazines/journals and 16 newspapers in English and Hindi languages on different areas of interest for its readers. The library has a web center for access of e-resources, separate reading room for consultation purposes and photocopy facility for the students and staff. The remote login access of e-resources through N-List login ID is also provided by the library.

**Number of Faculty**

Total number of Permanent faculty: 82

Total number of Ad hoc faculty; 95

**Financial Allocation and Utilization**

Grant Sanction : Rs. 25,28,39000/- (UGC) + 52,60,000/- (D.A)

Grant Utilized : Rs. 30,25,57,042/-

### **Any other significant information**

Solar System project on the open roof top of the college TRI block and Academic Block of the college, installed under IPGCL Scheme, is successfully generating 61 Kilo Watt Power. The project has been undertaken by Hero Solar Energy Pvt. Ltd, New Delhi. This project has reduced the power consumption in the college to a great extent. The college organized “National Voters Day” on 24 January 2018, with the purpose to encourage effective participation of young voters in the electoral process.

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## **KAMALA NEHRU COLLEGE**

### **Major Activities and Achievements**

Power point and Audio-Visual presentations are made by faculty and students to enrich the understanding of curriculum. Workshops are organized to understand nuances of film making. Some departments have created Google groups/other online groups in order to share resources and enhance pedagogical engagements. Trips and excursions related to course work, field visits, heritage and mindfulness workshops are regularly organized in order for students to develop a real time understanding of syllabi related topics. Many departments organize remedial classes and have counselling sessions for students who may be in need of them. Many departments try and facilitate book banks so that under privileged students may avail those resources. Green Beans (Environmental Club) conducted seven weeks add-on certificate course on Environment, from August 26 - October 7, 2016, with assistance from Department of Environment, Govt. of NCT of Delhi. Regular lectures by eminent subject experts in their respective fields are organized by almost all the Departments for students to be aware of new departments and research trends in their discipline. Departments conduct student research projects. The aim and focus of this endeavor is to help the students understand the broad range of research topics and methodology.

### **Research Projects**

The Department of English received a grant from the U.S. State Department in the month of March 2017 for a sum of \$3,000.

The Department of Political Science received a grant from Brown University, USA in the month of June 2017 for a sum of \$3,000. It also received Rs 11,000 from the Omeo Kumar Das Institute of Social Change during March 2017.

The Department of Sociology received Rs 2.5 lakhs as well as Rs 16.16 Lakhs +\$6000 from the University of Western Australia for a period from March 31, 2017-2018.

### **Journals**

Akademios, published in English as well as Hindi is the peer reviewed journal published by the college.

### **Seminar/ Conference Presentations and Publications**

Dhawan, J. (2017) CSR: Doing Right Things the Right Way| at Institute of Directors: 11th International Conference on Corporate Social Responsibility at the Lalit Ashok, Bengaluru.

Khanna R. A. (2017) Bridging the Knowledge Gap Through Technical Alliances: An Assessment of a High Technology Industry Using Instrumental Variable Method| at the Tenth Global Studies Conference, 2017 organized by National University of Singapore.

Singh, A. (2017) Autobiography, History and the Comic Form in Malik Sajad's *Munnu: A Boy from Kashmir* at the international conference on 'History, Culture and Literature: Reading the Margins', organized by the Department of English, Swami Shraddhanand College, in collaboration with the Department of English, University of Delhi.

Malhotra, N. (2017) Community Response to Himalayan Climate Change| at Spatial Decision Support Systems for United Nations Sustainable Development Goals, Kalindi College, University of Delhi and Ministry Of Earth Sciences, India.

Agrawal, S. (2017) Antarashtriyaparidrish Mein PravasiLekhikaSneh Thakur| at International Seminar on Antarashtriyaparidrishamein Hindi Sahitya, Kamala Nehru College, University of Delhi.

Ojha, A. (2017) In Search of Shangri La - Historic Narrative on Ladakh as a Documentary Film| at International Symposium organized by Department of English and Comparative Literature, Central University of Kerala, Vidyannagar Campus, Kasaragod, Kerala.

Kaur, B. (2017) Representation of Women in Deodorant Advertisements at International Conference on Media and Communication Studies, Amity University, Rajasthan

Bharati, S.K. (2016) An Improved Computational Algorithm for Optimization of Transportation Problem at International Conference of the Indian Mathematical Consortium in Cooperation with American Mathematical Society at DST and Department of Mathematics, Banaras Hindu University, Varanasi.

Nirban, G. (2017) Eco-dharma as a Concept of Responsibility: Ethical Analysis through the Readings of Select Sub-narratives of Mahābhārata at International Seminar on 'Relearning to be Human: Justice and Responsibility in Global Times' by Department of Philosophy, University of Delhi in association Council for Research in Values and Philosophy-Washington DC (CRVP), Indian Council of Philosophical Research (ICPR) and Ramanujan College, University of Delhi.

Malaviya, R. (2017) Universalizing and Particularizing Trends in Federalism: The Pressures of Globalization on Multiculturalism and Conflict Resolution through Federalism in India, ICSSR Sponsored, Theme: —Glocalization and Federal Governance in India: Understanding the Emerging Issues at Kalindi College, University of Delhi.

Chowdhary, S. (2016) "JalaurSūryKiraṇChikitsā - AtharvavedkeSaṅdarbhMeṇ" in 12th International Conference of WAVES, 2016 on —Scientific Aspects of Vedic Knowledge at BharatiyaVidyaBhavan, Kasturba Gandhi Marg, New Delhi.

Dalua, P. (2016) Globalization, Anomie and Farmers Suicide in India: a Macro-Sociological Approach, 16th European Symposium (ESSSB), Oviedo, Spain.

#### **Presented papers at National Conference/Seminar**

Agrawal, A. (2017, January 24). —Internationalization Strategies of Indian IT Firms at the National conference on the theme —Emerging Trends in Management Practices held at Delhi Metropolitan Education (DME), Noida.

Devi R. (2017, February 4). —Role of State and its Institutions in the Empowerment of Women at 2nd National Seminar on 'Women Empowerment in North Western Region of India' organized by Departments of Political Science and History, at Goswami Ganesh DuttSanatanDharam College Palwal, Haryana.

Singhal, S. (2017, February 17). —Limits set by Canons: Adaptations of/in BhupenKhakhar at the National Young Researchers' Conference organized by the Centre for English Studies, Jawaharlal Nehru University.

Agrawal, S. (2016, July 29). —NalinVilochan Sharma: VaykṛitvāaaurKrithav at National Seminar on —NalinVilochan Sharma-Janm Shat Varshikil by SahityaAkademi, Delhi & B.R. Ambedkar Bihar University, Muzaffarpur.

Kumar, N. (2016, December 28-30). —AIR in Quest of the National Music, Indian History Congress, Thiruvananthapuram. Warriar, M. V. S. (2016, September 13). —Cultures of Protest, Shaping of Consciousness and Mill Work: Class, Gender, Caste and Community in Madurai 1914-1951, Nehru Memorial Museum and Library, Teen Murti, New Delhi.

Kaur, B. (2017, March 23-24). —Media Education for Women Empowerment at National Seminar on Women Rights and Responsibilities, organized by Kalindi College, University of Delhi.

Mehra, D. (2016, October 4-15) "Continuous Weaving Frames" at National Conference on Algebra, Analysis, Coding and Cryptography, Department of Mathematics, University of Delhi.

Nirban, G. (2017, February 17-18). —Dr. SarvepalliRadhakrishnan at 'Reimagining South Asia: An Exploration into the History of Ideas' - Indian Council of Social Science Research (ICSSR) sponsored National Seminar at Department of Political Science, University of Delhi.

Midha, S.S. (2017, February 14-15). —Mental health Awareness in Sports and Recreation at UGC Sponsored 2nd National Conference on —Latest Trends in Health and Physical Education. University College of Medical Sciences, New Delhi.

Ahmad, A. (2017, February 11). —Politics of Covered and Uncovered Bodies Participated and presented at a Roundtable Conference on "Gender and Governance" organized by the UPE Centre for Advanced Research and Training, Osmania University, Hyderabad.

Singh, V. (2017, March 8-10). —Negotiating Identities within Marital Contexts: Married Women Experiences: Emerging Forms of Vulnerabilities, Dialogues, Discourses and Debates at National Conference Organized by Department of Psychology, University of Delhi, New Delhi.

Chowdhary, S. (2017, November 14-15). "HindīPatrakāritākeVikāskāSvarūp" at National Seminar on "HindīPatrakāritākāatitaurVartamān: BhūmikāaurChunotiā", Vivekanand College, University of Delhi.

### Placement Details

Total number of students played = 4

### Extension and Outreach Activities:

The NSS wing of the college conducted a Swachhta Awareness Campaign in the College campus, Masjid Moth area, Gautam Nagar and Nitibagh. It also conducted a 'Sanitation and Hygiene Awareness Drive' in the Begampur Slum Area on 7th July 2017. The members celebrated "Swachhata Hi Sewa" as part of the Swachh Bharat Abhiyaan on the occasion of Independence Day from 2nd August to 15th August 2017. NSS volunteers took pledge on the observance of "RastriyaEktaDiwas", in remembrance of Sardar Vallabhabhai Patel, one of the leading freedomfighters of our country on 31 October 2017. A Cancer Awareness Program was organized on 31 August 2017 in association with Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC). Six cadets of 3rd year from the college went for National Integration Camp from 19 June to 30 June 2017 in Amritsar. NCC cadets were invited by Doordarshan for a program on 'Self Defense' in "Good Evening India". The team of Entrepreneurship Cell won the 'Enactus Blue Dart Empowering Competition 2017Grant' and the 'Enactus Mahindra Competition 2017-2018 Grant' of Rs. 90,000 to support Project 'Kadam', under community outreach program for cobblers.

### Library Development:

The college Library is fully automated connected with one server and eleven clients of Local Area Network. Two computers are equipped with Internet facility so that the teachers and students may have access to electronic archives from the college premises which is provided by the University of Delhi, like Jstor, Project Muse etc. The prestigious DELNET (Developing Library Network) and INFLIBNET facility is provided to all users. The library added more than 2464 titles during the year 2017 and the total collection of books has reached now 97335, 394 CDs and 605DVDs. In addition 77 Journals /Periodicals (62 in English and 15 in Hindi) and 11 Daily Newspapers (7 in English and 4 in Hindi) are being subscribed to for the benefit of students and staff. The library has a systematically arranged stack hall on the ground floor. Reference Section and the Periodical Section are facilitated with a large reading room. Hindi novels, old bound periodicals, collection of the eminent writer Dr. Anita Desai, Sanskrit and Punjabi literature etc. are located on the second floor. The library has a capacity of 300 seats for readers, and has separate section for Audio Visual Collection.

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## KESHAV MAHAVIDYALAYA

### Major Activities and Achievements

Three of the faculty members were awarded the degree of Doctor of Philosophy and two others have completed their Post Doctoral fellowships. Six faculty members are supervising students towards the Ph.D. Degree. First Alumni Reunion was organised on 23 December 2017. The Central Purchase Committee in collaboration with National Informatics Centre (NIC), Government of India organised a two day workshop on "E-Procurement Implementation" in February, 2018. Two new cells were initiated this academic year: the student entrepreneurship cell 'Enactus', and the finance and investment cell 'Nivesh' to inculcate entrepreneurial skills financial awareness amongst students respectively. This year the college also offered an add on course in 'Radio Broadcasting' of 40 hours duration in coordination with Mr. R. K. Singh, former Engineer-in-chief, Doordarshan and former Consultant, DUCR. The Rotract Club students visited orphanages and old age homes. They conducted clothes and books collection and donation drives and plantation drives.

### Students achievements

Anshuman Bhardwaj of B.Sc. (H) Computer Science I year, has created a YouTube playlist for the tutorials of CPUSIM, a tool used to simulate Microprocessor.

Sakshi Bansal, final year student of Psychology Department has been awarded the prestigious Gandhi Fellowship and has received acceptance from University of Nottingham with 100% scholarship to pursue M.Sc. Organizational Psychology. Her project "LEAP"(Literacy Empowerment Ability and Participation) has been selected as international social cause project by Rotary International HQ.

Parul Kumari and Manu Singh of Department of Mathematics received an award of Rs. 10,000 each from Directorate of Higher Education, Govt. of NCT of Delhi.

Shourabh Singh and Gaurav Mangain of Department of Electronics have received DST- INSPIRE scholarship of Rs. 60,000 per annum for pursuing higher education.

Harshit Kansal of BMS II year, for the second time, received a scholarship of Rs. 10,000 under the Central Sector Scheme of Scholarships for College and University Students, 2017-18.

### **Publications**

Kumar, S., Kaur, J., Verma, A., Mukesh, Kumar, A., Domonic, A., (2018) 'Influence of Polyether Chain on the Non-Covalent Interactions and Stability of the Conformers of Calix [4] Crown Ethers', Journal of Inclusion Phenomena and Macrocyclic Chemistry,.

Arora, A., (2018) 'Process of Managing Credit Risk at Transaction Level: Illustration of Indian Commercial Banks', Asian Journal of Management Applications and Research, 8(1) : pp 458-470.

Kumar, P., Rana, J., (2017) 'The Relationship between Organizational Values and Performance', International Journal of Research in IT and Management (IJRIM), 7(5), : pp 100-110, ISSN 2349-6517.

Kumar, P., (2017) 'The Impact of Classical Management Approaches on the Management Practices', Asian Journal of Management, 8(3), AJM-546.

Negi, V., Bardhan A., (2017) 'Labour Market Regulations and FDI Inflows in Developing Countries – An Empirical Analysis', Journal of International Economics, 8(2), : pp 27-42, ISSN 0976-0792.

Negi, V., (2017) Effects of Foreign Direct Investment on Wages in the Emerging Markets', Himalayan J. Soc. Sci. & Humanities, 12, pp 20-37, ISSN 0975-9891.

Gupta R., Sehgal P., (2018) 'Non-Deterministic Approach to Allay Replay Attack on Iris Biometric', Pattern Analysis and Applications (Springer-Verlag), pp 1-13, DOI:10.1007/s10044-018-0681-8.

Jindal, V., Bedi, P. (2018) 'An Improved Hybrid Ant Particle Optimization (IHAPO) algorithm for reducing travel time in VANETs', Applied Soft Computing, ASOC, 64, : pp 526-535, DOI: 10.1016/j.asoc.2017.12.038, Print ISSN 1568-4946, Online ISSN 1568-4946.

Jindal, V., Bedi, P. (2017) 'Preemptive MACO (MACO-P) Algorithm for Reducing Travel Time in VANETs', Applied Artificial Intelligence, AAI, 31 (2), pp 174-196. DOI: 10.1080/ 08839514. 2017.1300017, Print ISSN 0883-9514, Online ISSN 1087-6545.

Singh, P., Singh, D., Ram, S.D. (2017) 'Important Mathematical Tools and their Applications in Reliability Theory', International Journal of Computer & Mathematical Sciences, IJCMS, 6(12): 34.

### **Journals/Magazines published by college**

The Department of Commerce released its annual magazine 'GENESIS', during its annual festival 'Fledgling'.

The Department of Computer Science released its annual magazine 'e-Blitzine', during its annual festival 'Blitzkrieg'.

### **Seminars/Workshops Organized**

The Central Purchase Committee in collaboration with National Informatics Centre (NIC), Government of India organised a two day workshop on "E-Procurement Implementation" in February 2018.

The Computer Science Society conducted a half day workshop on 'Cyber Security in Digital India' by Dr. Anup Girdhar, CEO, Sedulity Solutions and Technologies in November 2017 and a full day workshop on 'Big Data and Hadoop' in collaboration with Aptech India in February 2018.

The Electronics Department conducted a two-day workshop on 'EAGLE CAD & PCB Fabrication' co-organised by Centre for Electronics Design and Technology, NSIT held on 7-8 September 2018 under the guidance of the team of SINCGRID LLP Company.

A National Level Faculty Development Program (FDP) on 'Embedded System Design Using AVR and Digital System Design Using Programmable Logic Devices' was organised on 1-2 November 2018 by the Department of Electronics in collaboration with CEDT, NSIT under the guidance of Prof. Dhananjay V. Gadre.

The Department of Management Studies organised the ninth edition of its annual corporate seminar, COGNIZANCE on 6-7 February 2018. The theme of 'Data is the New Oil' exposed the students and

faculty to a unique practical understanding of Data Analytics. The speakers included Mr. Sameer Dhanrajani, Chief Strategy Officer, Fractal Analytics, Prof. V.K. Kaul, Dean, Faculty of Applied Social Sciences and Humanities, Mr. Anand Madhav, Lead Consultant, Gramener India, Mr. Rachit Ranjan, Head of Policy, North India and Federal Affairs, Uber India and Mr. Aditya Waghray, Associate Partner, McKinsey and Company India.

The Department of Psychology organised two workshops on January 2018: 'Counselling Skills' conducted by Ms. Mihika Mehrotra, a Clinical Psychologist working at Fortis Healthcare. 'Psychodrama', conducted by Ms. Jyoti Bernard, a Utilization Review-Specialist at Sovereign Health of California.

### **Conferences Presentations**

Dr. Manjri Singh presented a paper: 'Alimentary Meditations in Ancient Indian Philosophical Thought' in National Conference on Indian Social Work: Scope and Concerns, organized by B. R. Ambedkar College and Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Sponsored by ICSSR on 14-15 March 2018.

Dr. Vipin Negi presented a paper: Thakur, N. & Negi V., 'An Econometric Analysis of a Complementarity between Profit-Wage and Capital-Labour: Skill-Biased Technological Change in Indian Services Sector' at 59th Annual Conference of The Indian Society of Labour Economics, (ISLE), Thiruvananthapuram, Kerala, India, 2017.

Dr. Subodh Pandit presented a paper: 'The Ripple Effect of Indian Consumption Behaviour', at the Sixth Singapore Economic Review Conference, 2-4 August 2017.

Dr. Amanjot Sachdeva presented a paper: Sachdeva, A., Singh, A.K., 'Work life Conflict and its Impact on Work Life Balance and Subjective Well Being of Doctors in Healthcare Sector', at the International Conference on Indian Economic Transformation Through Revival of Manufacturing Sector and Start-Up Ecosystem organized by Ramanujan College, University of Delhi, 21-22 September 2017.

Dr. Ritu Arora presented a paper: 'Branch and Bound Algorithm for Discrete Multi-Level Linear Fractional Programming Problem' at the International Conference on Mathematics and Applications held at Ramjas College, University of Delhi, 26-28 April 2017.

Dr. Dhanpal Singh presented a paper: Singh, D., Goel, C.K., 'A Brief View of the Mathematical Reliability Theory from the Beginning to the Present Time', International Conference on Mathematics and Applications (ICMA-2017), organized by Department of Mathematics, Ramjas College, University of Delhi, 26-28 April 2017.

Dr. Divya Haridas presented a paper: 'Detection and Classification of Gases Using Electronic Nose by Principal Component Analysis', International Conference on advanced semiconductor materials and devices organised by CMET Hyderabad, 8-10 March 2018.

Dr. Jasmeet Singh presented a paper at International Conference DAMOP-2017 on 'Theoretical Method to Study Electron-Impact Rotational Excitation of Neutral Molecules', Sacramento, California, USA, June, 2017.

Dr. Harpreet Bhatia presented a paper: 'Stereotypes related to Skin tones' at National Conference on Psychological Applications and Interventions: Reaching out and making a difference, Daulat Ram College, January 18 January 2018.

Dr. Daisy Sharma presented a paper: Ganesh, M., Tuli, M., Sharma, D., 'Mediational Role of Motivation in Association between Emotional Intelligence and Leadership at Workplace: An Exploratory study', at Global HR Congress- A Multidisciplinary approach towards Organizational Excellence, Amity University, Haryana, 2018.

### **Placement Details:**

Number of students getting successful placements: 26

Number of companies coming for campus recruitment: 9

### **Extension and Outreach Activities**

Under the aegis of Rotract Club, the students participated in: an Organ Donation Drive, Vriksharopan: a Sapling Plantation Drive, HIV Awareness Campaign, a Cloth, Book and Footwear Collection Drive, Women Sanitation Drive, to name a few. The NSS Unit also organised various activities: International Yoga Day, Swachhta Pakhwara, Rastriya Ekta Diwas, National Youth Day, National Voters Day etc.

### Library Development

The library has various sections consisting of around twenty five thousand books. Large number of magazines, newspapers, dailies, weeklies & periodicals of various subjects are being subscribed on a regular basis by the library for the readers. As an e-resource learning centre, the library has more than 700 CDs and DVDs which are issued to various departments of the college. Besides, it also provides facility of accessing about 30,000 e-journals and research articles provided by Delhi University Library System (DULS) through Internet to staff members and students. The college library is fully automated.

### Faculty Strength:

Total number of faculty: 100 (Sanctioned)

### Financial Allocation and Utilization

Grant sanction: Rs17,28,00,000 /-

Grant Utilized: Rs.15,22,81,147/-

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## KIRORI MAL COLLEGE

### Major Activities and Achievements

After becoming a NAAC accredited A+ graded multidisciplinary College in 2016, Kirori Mal College also witnessed the completion of our new Academic Auditorium which continues to host numerous academic events across disciplines. The NIRF (National Institutional Ranking Framework) ranked KMC at position 20 among 4000 Colleges. Digitalization has been incorporated in the functioning of the library like: usage of smart cards, installation of chip technology in books, installation of a self-issue and self return kiosk, online access of the library's catalogue through the College website, and the transmission of SMS-alert to students whenever new books are procured by the library. Construction of a completely disabled-friendly campus has been completed. We have also successfully completed the construction of a permanent stage behind the Staff Room in the Canteen grounds and the renovation of the Staff Room. Eighty six students of ours have already got jobs in prestigious companies through our Campus Placement drive. Another project, perhaps not as intimidating as the construction of the auditorium, but nevertheless essential in its own way, is the crèche facility on the College campus which we are planning to introduce for the benefit of the teaching and non-teaching staff.

### Honours/Distinctions

Dr Vibha Singh Chauhan was awarded 'The John Benjamin FILLM Prize' for Linguistic and Literary Scholarship by John Benjamin Publishing Company and *Federation Internationale Des Language Et Litteratures Modernes* at XXVII FILLM Congress (15-17 March, 2017)

Dr Pragya was awarded for: 'Pap Tark Aur Prayashchit' as the best story in a competition organized by Story Mirror.com; The first Prize of 'Story Mirror Contest-3' in a function organized at Oxford Book Store in New Delhi on 8 July 2017; Meera Smriti Puraskar 2016 for her first novel 'Goodad Basti' by Meera Smriti Foundation at a grand function in Allahabad

KMC won two International Gold including in Para-Athletics (Javlin throw) & in Netball, one silver in Para-Athletics & Chess and one Participation in Badminton.

In All India Inter University (AIU) the Kirorian as member of Delhi University squad clinched 1 Gold (Athletics Shot Put), 1 Silver (Chess M), 1 Bronze (Badminton M) and 1 Participation (Hockey M).

In Delhi University Inter College (DUIC) Championships KMC won 9 Championships ( 6 Athletics, 1 Boxing, 1 Taekwondo and 1 Basketball Men) 2 Silver medals in Boxing and 12 Bronze (3Athletics, 6 Boxing, 1Badminton M, 1Chess M and Hockey).

### Students with Distinctions

Pankaj Kumar Sharma stood first in B.Sc. (H) Mathematics IIIyr.

Swetow Tyagi stood first in B.Sc. (H) Physics IIIyr.

Anjali Lohchab stood first in B.Sc. (H) Physical Science IIIyr.

Ashi Mittal stood first in B.Sc.(H) Chemistry IIIyr.

Vikas Yadav stood first in B.Sc. (P) Life Science IIIyr.

## Publications

Anshu. (2018) 'Conflict in Yemen: A Sectarian Strife Or Petro-Geopolitics', International Journal of Humanities and Social Science Inventions, ISSN(Online) 2319-7722; ISSN (Print) 2319-7714

Anshuman, Kumar, P. (2017) *Ecosensibilities: Finding Path to Harmony*; Shree Publishers & Distributors.

Chauhan, Vibha Singh (2017) *Bihar Ki Bhashayen*, Orient Blackswan, New Delhi.

Joshi, Seema (2018). "Determinants of Tertiary Sector Employment in India" in Arup Mitra (eds.) *Economic Growth in India and its Many Dimensions*(A book in the honour of prof B.B.Bhattacharya), Orient Blackswan Pvt Ltd, New Delhi, 2018

Parihar, Seema Mehra (2017) *Evolving Fuzzy Inference-Based Decision Support Methodology For Risk Mapping Of Wastewater-Fed Aquaculture System*, Final Proceedings of ACRS2017-The 38<sup>th</sup> Asian Conference on Remote Sensing, October 23-27, 2017. (Source: <http://www.a-a-r-s.org/acrs/index.php/acrs/acrs-overview/proceedings-1?view=publication&task=show&id=2981> )

Sharma, Nidhi (2017) 'Impact of Organizational Culture on Employee Commitment: A Review', Ramanujan International Journal of Business and Research (UGC listed journal no. 48778), Vol.-II, 2017, ISSN: 2455-5959 (Co-Authored by Prof. R. K. Singh, Department of Commerce, Delhi School of Economics, University of Delhi)

Suman, Amit Kumar. (2017) 'Colonial Policies and Centres of Indigenous Learning Early Modern India', *NMML Occasional Paper* (History and Society), New Series 87, Nehru Memorial Museum and Library, New Delhi, pp.1-15. (Article)

## Research Projects

Dr. Roopinder Oberoi, Assistant Professor, Department of Political Science (PI); The Benefits of Modifying Social Enterprise within Higher Education's Social Sciences Curriculum; UKIERI-UGC; 2017-2020/3 Years; 62 Lakh: UGC- 35 Lakh + UKIERI - 27 Lakh

Dr. Seema M. Parihar Associate Professor, Department of Geography (PI); (Indo-Nepal Project- Project Director & Principal Investigator) 'Youth Indo-Nepal Disaster Prevention and Preparedness Programme 2018 (YINPPP-2018) - B.P. Koirala , Indo-Nepal Foundation , Embassy of Nepal, India, sanctioned on 07 February, 2018 (1.5 lakh only)

Dr. Arun Kumar Tripathi, Assistant Professor, Department of Geography (PI); Impact Assessment of CSR Projects on Installation of Solar Lights in Nine States of India under CSR; ONGC Ltd.; 2017-18; Rs 8,96,500/-

Dr. Vinod Kumar, Assistant Professor, Department of Chemistry (PI); DST-SERB Start-Up Research Grant (Young Scientists) 2015-2018 "Designation and Strategies of Metal Oxides Nanocrystals for Photocatalytic Water Splitting" Total cost: Rs. 31,86,000/-

Dr. Benu Gupta , Associate Professor, Department of Physical Education and Sports Science ( Project Director & Principal Investigator) "Psychology al Profile and Performance Sustainability with Omission of In equality of Indian Athletes : An Analytics Study" under Ministry of Sports Government of India 2016-2018 Rs.10,0000/-

## Seminars Organized

Two Day National Seminar organized at Kirori Mal College in collaboration with NCPSL, MHRD, Govt. of India, New Delhi on 6 & 7 February 2018 on "Decoding the Partition L(i/a)nes: Reflections on Language, Literature and Culture". Dr. Sanjay Verma, Convenor & Dr. Praveen Kumar Anshuman, Co-Convenor.

## Conferences Organized

International Workshop on Wavelets, Frames and Applications III at Kirori Mal College, University of Delhi, Delhi from December 14-20 December 2017. Dr. Shiv Kumar Kaushik, Convenor.

## Seminar/Conferences Presentations

Dr. Agham Jha participated and presented a paper having title "Review of a Statistical model for the formation of QGP fireball under URHIC" in XXXII Annual IAPT Convention 2017 and National Symposium on Recent Trends in Physics at Different Scales during 29-31 October 2017 at the Dept. of Physics, Gurukul Kangri Vishwavidyalaya, Haridwar.



Dr. Agham Jha Participated and presented a paper having title "The order of Quark-Gluon Plasma (QGP) Phase Transition Under a model density of states for Quarks and Gluons in QGP droplet" in a National Symposium on Advances in Physics From Small to Large Scales at the Dept. of Physics (UGC-Centre of Advanced Study), Kumaun University, Nainital during 27-28 March 2018.

Dr. Amit Kumar Suman, presented a paper on 'Educating Poor Muslims: Madrasa System of Education in Colonial India, Reforms and Evolution' in the GHIL Colloquia at German Historical Institute, London, UK

Dr. Amit Kumar Suman, presented a paper on 'Colonial State, Education and Indigenous Knowledge Systems in the Bengal Presidency' in an international seminar on Dialectics of Education: Comparative and International Perspectives at CIE, Department of Education, University of Delhi, Delhi

Dr. Anshu presented a paper on 'Vulnerability of Smart Cities to Urban Flood Flooding' at International Conference on Livable Cities: Transforming Sustainability and its Challenges, SBSC, University of Delhi on 5-7 February 2018

Dr. Kavita Gupta presented a paper on "More for less method to minimize the unit transportation cost of a capacitated transportation problem with Bounds on Rim Conditions" in International Conference on MATHEMATICS and APPLICATIONS (ICMA-2017) organized at Ramjas College, University of Delhi, 26-28 April 2017.

Dr. M.K. Galhotra presented a paper titled "Cloud Computing : Services & Challenges in Libraries" in the Two Day National Conference on 'Changing Digital Landscape in SMART Environment' jointly organized by Ansal University, Gurgaon and United Nations Information Center for India & Bhutan on 8-9 February 2018.

Ms. Nidhi Sharma presented a paper on 'A Theoretical Model for Workplace Spirituality' at 4<sup>th</sup> National Conference on Contemporary Reforms in Management, Economy and Applied Business, organized by Sri Guru Gobind Singh College of Commerce, University of Delhi on 9 February 2018.

Dr. Praveen Kumar Anshuman presented a paper on "English Language Communication Skills in Interpersonal Relationship of the Industry Interface" in International seminar on 'University-Interface for Skill Development of Youth' at Awdhesh Pratap Singh University, Rewa (MP) India on 25 to 27 February 2018.

Dr. Sanjay Verma presented a paper on "Rashtra Unnati Mein Hindi Patrakarita Ki Bhumika: Ek Samiksha" in National Seminar on 'Janandolan Aur Bharatiya Sahitya: Hindi Aur Sindhi ke Vishesh Sandarbh Mein' organized by Rajdhani College, University of Delhi, in association with NCPSL, MHRD, Govt. of India from 8-9 February 2018.

### **Placement Details**

On-campus companies- 30, Off-Campus companies- 56

Number of placed students- 92

### **Extension and Outreach Activities**

NSS-SAHYOG is an each one-teach one program where the volunteers teach underprivileged children.

NSS-Sahas is the Women Empowerment Cell of the college which aims to empower and uplift underprivileged children. It wants to change the stereotyped mindset of the society towards women. NSS-Darpan is the nukkadnatak group which works for the awareness of social issues in the society. NASA Rover- KMC RoboPhysicists is a team of motivated physics undergraduates. For years, the team has brought laurels and acclamations from all around the globe. Their previous endeavours include participation in NASA's RASC-AL, MOONBUGGY challenges. This academic year they took on a challenge to build a rover that will one day work alongside Astronauts and help them in exploring the Planet Mars. The Mars Society with NASA organized University Rover Challenge invited competitors from all around the world.

### **Library Development**

Summary of Expenditure = 4,30,474/-

Total Budget = 15,15,000/-

Number of Books added = 2366

Total Books = 1,49,205/-

Total Book Bank Collection = 5929

Total: 53 Angels, 81 notebook for visually handicapped.

**Faculty Strength**

Total number of Permanent faculty: 142

Total number of Ad-Hoc faculty : 60

**Financial Allocations and Utilization**

Grant Sanctioned: Rs.48,42,06,435/-

Grant Utilized: Rs. 45,09,67,586/-

**Other Significant Information**

The NIRF (National Institutional Ranking Framework) ranked KMC at position 20 among 4000 Colleges.

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**LADY IRWIN COLLEGE****Major Activities and Achievements**

A 30-hour course on “Nutritional challenges in chronic disease management,” focusing on recent advances in the field of clinical nutrition and nutritional management of liver and renal disorders was conducted for M.Sc. Final, Food and Nutrition (Clinical Nutrition) students, from January to March 2017. 10<sup>th</sup> Annual Symposium on Sustainable Development, “Energy Efficiency for a Sustainable Future” was organized by Department of Resource Management and Design Application, and School of Planning, Design & Construction, Michigan State University, USA, supported by Energy Efficiency Services Limited, Ministry of Power, Government of India, at Triveni Kala Sangam, on 2 March 2017. RMDA Department faculty has undertaken a project on paper recycling and has tied up with “Jaagruti – Waste Paper Recycling Services” for managing college’s paper waste. Dr. Kalam Computer Training Center was established at the RMDA department, on 14 November 2017 and supported by Vigyan Ratna Mr. Lakshman Prasad, President, APJ Abdul Kalam Computer Training Center, Aligarh.

**Honours/ Awards/ Distinction**

Dr. Anupa Siddhu (Director) received an award for Women of the Decade in Academia, All Ladies League and World Economic Forum 2017

Anupa Sahi Siddhu Gold Medal for excellence in doctoral work in Lady Irwin College was awarded to Meenal Jain

Ramanathan Prize for Best Oral Presentation (Community Nutrition Category) in Free Communications session was awarded to Ms. Arushi Jain, PhD student, Department of Food and Nutrition, for the paper titled “Risk Assessment of Sulphite Exposure through Foods among Adolescents of Delhi,” at the 48th Annual National Conference of the Nutrition Society of India, on the theme “Nutrition Risk Management and Communication”

Dr. Dipesh Aggarwal was awarded “Certificate of Excellence in Reviewing” in recognition of an outstanding contribution to the quality of the Journal by Current Journal of Applied Science and Technology (Science Domain). Certificate No: SDI/HQ/PR/Cert/38142/DIP.

Nitika Singhal, Deepali Rastogi, Best poster presentation, 12th International Conference on Apparel and Home Textiles, organized by Okhla Garment and Textile Cluster (OGTC).

**Students with Distinction**

Anchal Goel was awarded the B. Tara Bai Award For Ist Position in M.Sc. Food & Nutrition II.

Payal Mehta was awarded the Indravati Pasricha Award For the 1<sup>st</sup> Position in PG-DDPHN

Priya Grover was awarded the Sanjam Randhawa Award For Ist Position in M.Sc. Fabric and Apparel Science –II.

Vasudha Kapoor was awarded the Child Development Alumnae Award For Ist Position in M.Sc. Human Development and Childhood Studies II.

Smriti Gupta was awarded the Bhargavi Menon Award For 1st Position in M.Sc. Resource Management and Design Application I

### **Publications**

Technical Series 6 'Compilation of Food Exchange List' (2017) New Delhi. Global Books Publishers. ISBN: 978-93-80570-518.

HEALTHY EATING AND LIFESTYLE: A resource book for young employees of Business Process Outsourcing Industry. New Delhi: Global Books Organisation. ISBN 9789380570556.

TEXTILE SCIENCE-A PRACTICAL MANUAL, DEPARTMENT OF FABRIC AND APPAREL SCIENCE, Elite Publishing House Pvt. Ltd., , ISBN: 978-81-88901-67-8.

Textbook on TEXTILE SCIENCE, Orient Blackswan Private Limited, India, , ISBN No: 978-93-863-92-664.

Textbook of Fabric Science: Fundamentals to Finishing, Prentice Hall of India, New Delhi, India. ISBN:978-81-203-5239-1.

Goel S. (2017). Decorating the Interiors in E-Pathshala in Home Science, Module HO2D103 – Design Process – Sequential Outlining, Project planning & Programming, for National Mission on Education through ICT (NME-ICT), Ministry of Human Resource Development (MHRD). Published by IFLIBNET Center, an inter- University Center of UGC.

Asthana,N.,Choudhary, C.,Malaviya, R.,Kalra, M.,Mehta, R.,Arya,S. (2017) (Ed.) Learning Teachers: Diversity, Inclusion and Ethics, Kanishka Publishers,Distributors, New Delhi, India. ISBN 978-81-8457-757-0.

Kalra, M. (2017) Preserving Heritage Language Through Schooling in India. Springer International Handbook of Education. ISBN: 978-3-319-38893-9.

### **Projects**

Master's students, Department of Resource Management and Design Application (RMDA) worked on various projects in collaboration with Forum for Air Quality (FAQ). FAQ is an organization actively involved in creating awareness on air pollution and conducting active research on air pollution and its ill effects. The students inculcated their knowledge of Project Management, which is also part of their curriculum, by working on Oracle software "PRIMAVERA". The students worked on four projects which were CHAMP project, SAVE ARAVALLI, AIR POLLUTION ACTION and SOCIAL MEDIA & WEBSITE CREATION.

### **Seminars/ Workshops Organized**

Workshop on "Revision of Food Exchange List," with Dr. Anupa Siddhu and Dr. Neena Bhatia, as resource persons,' was organized on 18 May 2017

### **Seminar/Conference Presentations**

Dr. Madhuri Nigam Invited as panelist for "Roundtable on Roadmap for India Life Cycle Assessment (LCA) Network", Organized and hosted by Centre for Responsible Business, as part of CRB's 3<sup>rd</sup> 'India and Sustainability Standards: International Dialogues and Conference, India Habitat Centre, New Delhi.

Mathur P - 'Capacity building in the micro and small enterprise', during the Global Traditional Food Summit held on 26 February 2017, New Delhi, organized by The Council for Promotion, Research and Trade in Traditional Foods in association with academic organizations and the industry.

Chahal, M., Sekhri, S. and Mathur, R. (2017). "Practical Approach to Sustainable Employment of Persons with Disability in Indian Garment Industry" at National Conference of Fashion, Apparel and Textile, 2017, organized by Amity University on 29 March, 2017 (ISBN: 978-93-86238-19-1).

### **National/International MoU signed with Indian/ Foreign Universities**

Ongoing MOU with Michigan State University- It is student exchange for semester abroad programme. (Department of RMDA)

MOU signed with Syracuse University, New York State, USA.

### **Other inter-institutional collaboration**

RMDA Department faculty (Environment Management and Sustainable Development specialization) also took initiative for getting the preliminary registration done under LEED green building rating system for the college. Efforts are on in getting the college certified under the same. Assignment as an Expert by Ms. Madhuri Nigam with FICCI, for collecting Life Cycle Inventory (LCI) data, creating LCI data sets for agriculture and textile industry in India and Bangladesh, and submitting them to the EcoInvent database, in the framework of Sustainable Recycling Industries Program (SRI) of EcoInvent (Switzerland).

### **Students under exchange programme**

Six inbound students from Michigan State University under the student exchange for semester abroad programme (Department. of DCE) successfully completed their programme.

### **Placement Details**

The Foods and Nutrition department successfully completed first batch of B. Tech Food Technology and 100% placement of students was done in industries and other organizations including Nestle, Perfetti, FRAC, Quality Council of India, TQS Global, Tech 2 Globe, IIP, Sudha Dairy etc.

100% placements for B.Ed. graduates.

### **Extension and Outreach activities**

“Yuva Shakti Mela” was organised on 23 March 2017 in college campus for adult learners participating in the “Each One Enable One” programme of the department. Talk on Nutrition and Healthy Aging for the Senior Citizens Club of Babar Road, New Delhi on 30 April 2017. Training of trainers (ICDS- CDPOs and supervisors) at Community extension Unit, Food and Nutrition Board, Ministry of Women and Child Development, Government of India (2016-17). MSc Final, Food and Nutrition (Public Nutrition) and BSc III Pass, Home Science students conducted a Nutrition and Health Education Program for mothers of infants less than 2 years of age living in slums of Jasola Village on 17 February 2017. Information was provided on IYCF practices, diarrhea, micronutrient deficiencies, immunization and antenatal care during pregnancy.

**Number of M.Phil/ PhD's awarded: 7**

### **Faculty Strength**

Total number of Permanent faculty: 48

Total number of Ad-Hoc faculty: 65.

### **Other Significant Information**

The Department of Communication Education initiated a short term course on Corporate Social responsibility with Business and community Foundation, New Delhi. Business and Community Foundation is a certified CSR training organization recognized by Institute of Chartered Accountants of India.

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## **LADY SHRI RAM COLLEGE FOR WOMEN**

### **Major Activities and Achievements**

Through the international collaboration, King's College, London conducted its annual Summer Courses at LSR College from 29 May 2017 to 9 June 2017 for the fifth year in succession. From 11 to 16 September 2017, a large contingent of 18 students from the Faculty of Arts at Macquarie University, Australia accompanied by Professor Andrew Alter visited LSR for a short-term course titled 'Introduction to India'. Honourable Governor General of Australia, Sir Peter Cosgrove and Her Excellency Lady Cosgrove also visited LSR on 12 March 2018. A wide array of events to mark the 75th anniversary of the Quit India movement were organised under the Sankalp se Siddhi programme on 20 September 2017. On the eve of Women's day, on 8 March 2018, there was a meaningful dialogue with delegates from developing countries of Asia, Africa, Latin America, and Eastern Europe. In order to strengthen women's safety, LSR in association with Delhi Police, organized the launch of Himmat Plus Safety App on 22 February 2018. The ICC also organized a gender sensitization campaign that involved street plays and talks. The first Dr. B.R. Ambedkar Memorial Lecture was delivered by Prof. Narendra Jadhav on the 'Contribution of Dr. B.R. Ambedkar on Women's Emancipation in India' on 12 April 2018

### **Honours/Distinctions**

Dr Suman Sharma, Principal received the World Ecology, Environment and Development Award by 26<sup>th</sup> World Environment Congress on 8 November 2017.

Dr Suman Sharma received the Catalyst of Change Award-2017 by Univariety, UGC (University Guidance Conference), New Delhi, 6 October 2017.

Dr Suman Sharma received the World Women's Empowerment and Development Award by International Association of Educators for World Peace, New Delhi, 11 July 2017.

Dr Suman Sharma received the Women Economic Forum 2017 Award "Women of the Decade in Academia" by Women Economic Forum, New Delhi, 13 May 2017.

Dr Sushila Madan was conferred with "Distinguish Woman" award from Venus International Foundation, Chennai on 3 March, 2018.

### **Students with Distinctions**

Devanshi Rana, a National Shooting Silver medalist bagged first place in Delhi State Shooting Championship. She won the South Delhi District Championship. She also positioned third in Junior Selection Trials. Recently, Divanshi Rana got team Gold in 10m Air Pistol ISSF World Cup at Sydney.

Ananya Bhatt was ranked fourth in finals of 3 position junior women event in Kumar Surendra Singh National Shooting Championship and ranked 6<sup>th</sup> and 8<sup>th</sup> in national selection trials 1<sup>st</sup> and 4<sup>th</sup> respectively in 3 position junior women event. She also secured rank 6<sup>th</sup> in 3 position junior women finals in Kumar Sajjan Singh Masters National Shooting.

Ishita Sharma won a Bronze medal in Open Senior Nationals 2018(Gymnastics), she also secured 4 Silver medals in the Delhi State Championship and trained under the Uzbekistan Federation of Gymnastics.

Prerna Mishra is supported by the Sports Authority of India. In the 57th Delhi State Gymnastics Championship she bagged a Gold on Table Vault, a Silver on Floor Exercise and three Bronze medals on Uneven Bars and Balancing Beams. She was also selected as an All Round Gymnast and is now going on to participate in the Commonwealth Trials.

Deepanjali Sharma won Silver medal in 800m race and a Bronze medal in 400m race at the Delhi State Athletics Championship. She represented Delhi at the Junior Federation Cup Athletics Championship. She bagged a Gold medal in the 4x400m relay race and participated in 800m race. In the inter college championship she won a Gold in 800m and a Silver in the 4x100m relay race and also participated in 400m race. She also won a Bronze medal in the inter college cross country championship and represented DU at the All India inter university cross country championship. She secured first position in the LSR Cross Country Run which supported the cause of 'Educating Girl Child'.

### **Publications Total Number**

Aggarwal, R., Kaur, B., & Yadav, S. (2017) Robe's Restricted Problem of 2+ 2 Bodies with a Roche Ellipsoid-Triaxial System. *The Journal of the Astronautical Sciences*, 1-19.

Darbari, J. D., Kannan, D., Agarwal, V., & Jha, P. C. (2017) Fuzzy criteria programming approach for Optimizing the TBL performance of closed loop supply chain network design problem. *Annals of Operations Research*, 1-46.

Ghosh, J. B. (2018) Tower of Hanoi: Exploring Multiple Representations. *Mathematics Teacher*, 111(6), 446-453.

Jain, P., & Singh, M. (2017) Hilbert inequality grand function spaces. *Ricerche di Matematica*, 1-10.

Kalra, S. (2017) *Tere Shehar mein*. New Delhi: Hind Gugn Publication. (ISBN no.978-93-84419-69-1)

Kumar, A (2017) *Cyber Laws*. New Delhi: Book Age Publications (ISBN :978-81-935957-2-5)

Kumar, M., & Srivastava, S. (2018) Convergence of powers of composition operators on certain spaces of holomorphic functions defined on the right half plane. *Archiv der Mathematik*, 110(5), 487-500.

Minocha, A. (2018) Alternative Literary Modernities: A Voice from Colonial Punjab. *Zeitschrift für Anglistik und Amerikanistik*, 66(1), 35-48.

Kumar, M., Vajala, R., Sharma, K., Singh, S., Singh, R., Gupta, U., & Bhattacharjee, J. (2017) First-trimester reference centiles of fetal biometry in Indian population. *The Journal of Maternal-Fetal & Neonatal Medicine*, 30(23), 2804-2811.

Sabharwal, G. (2017) India Since 1947: The Independent Years. UK: Penguin

### **Journals Published by the College**

Èclat (Department of Mathematics)

Ijtihad (Department of History)

Sehar (Department of Elementary Education)

Jabberwock (Department of English)

Tejas (Department of Sanskrit)

Learning Curve (Department of Psychology)

Ecolloquial (Department of Economics)

Comcorde (Department of Commerce)

Sabab (Department of Political Science)

Noesis (Department of Philosophy)

The Fieldwork Journal (Department of Sociology)

### **Number of college teachers serving as Editor(s)/Member(s) of Editorial Board - 4**

#### **Research Projects**

The Principal, Dr. Suman Sharma is awarded Major Research Project by Indian Council of Social Science Research (HRD), titled “Collaboration between Schools and Institutions of Higher Education: Benefits and Challenges”.

Dr. Bindu Menon has undertaken the research project “Migrant cartographies: migrant media in the Gulf Council cities”, funded by International Institute of Asian Studies, Leiden, Netherlands.

Dr Monika Singh, is member, an ongoing Indo-Russian project (started w. e. f. November, 2016) being done in collaboration with South Asian University, New Delhi funded by DST. Duration of the project – 3 years

Dr Shenaz Cama is involved in the following research project: Ministry of Minority Affairs Project - Jiyo Parsi

Phase - 2, 2017 onwards. PI & Director as Director UNESCO Parzor.

Dr Shenaz Cama is involved in the following research project: Ministry of Minority Affairs - Hamari Dharohar –

Protecting Parsi Heritage: Navsari, 2018. PI & Director as Director UNESCO Parzor

#### **Seminars Organized**

The Department of Elementary Education organized a two-day ICSSR-sponsored- national seminar on ‘Alternative and Innovative Education in India- The Way Ahead’ on 26 and 27 of March, 2018.

The BA programme Department organized “*Samagam- On the Ramparts*” organized on 21 and 22 March 2018.

The Political Science Department organised the seminar POLPOURRI between 23 and 24 March 2018. The theme for the seminar was ‘Politics of Emotions’

The Mathematics Department organised a seminar “Enigma” 23 and 24 February 2018. It included a panel discussion on ‘Redressing Gender Imbalance in Mathematics: strategies and outcomes.

The Sanskrit Department organised a one of its kind ‘Students’ Seminar’. The theme of the seminar was “Ethics of Life in Sanskrit Literature”. Post -Graduate students from Delhi University as well as Jawaharlal Nehru University participated in the paper presentation.

#### **Conferences Organized**

The Psychology Department organized conference of the on 23 and 24 March 2018 with the theme 'Psychosocial Conundrums in Contemporary India.

The Department of English chose to explore the field of Indian children's literature in a conference entitled 'No Child's Play: Literatures and/or Childhoods in Contemporary India'.

The Economics Department organised a conference Econovista on the 18, 19 and 20 January 2018. The theme was 'India at 70: The Economic and Social Crossroads.

The NSS unit organized its Annual Conference *Nexus*, its annual youth conference on the theme '*The Catalyst for Change: Youth and the Social Sector*'. The conference witnessed participation from NSS chapters of many colleges that came together for stimulating debate and discussion on the various sub themes: *Substance Abuse, Mental Health and Trauma Shaming, Cyber Bullying and Social Entrepreneurship*.

### **Seminar/Conference Presentations**

Dr. Suman Sharma delivered a public lecture in the Official Entrance Ceremony of Fukuoka Women's University, Japan on 3 April, 2018.

Dr. Suman Sharma delivered a lecture on "*Role of Youth and Disaster Reduction*" ICSSR sponsored CapacityBuilding Workshop on Social Science approach to Disaster Reduction, 16 February 2018 organised by Special Disaster Research Centre, JNU.

Dr. Suman Sharma delivered Presentation on "*Women in Developing Countries*" – Indian Technical and Economic Cooperation (ITEC) delegates from Asia, Africa, Europe and Latin America at LSR on 8 March 2018.

Dr. Suman Sharma presented a paper in 3rd World Congress on Disaster Management on the topic "*DisasterReduction: A case study of South Asia*" held in Visakhapatnam, 06-10 November 2017.

Dr. Suman Sharma invited for the 6th Asia-Europe Foundation (ASEF) Rectors' Conference (ARC6) delivered a lecture on the topic '*Future-ready Universities and Graduates: Quality Education Beyond the Horizon*' Singapore, 12-13 October 2017.

Dr. Suman Sharma presented a paper on "*Climate – change and renewable energy – A case study of South Asia*" at International Studies Association Conference held in Faculty of Social Sciences, University of Hong Kong, 15-17 June 2017.

Dr. Arvind Kumar delivered a lecture on "*Role of Technology to enhance the work efficiency of teachers*" in 02 Days national Seminar "Total Quality Management in Teacher Education Programme in Purview of Solidarity in Society and Nation Building" organized by Mewar Institute of Management, Ghaziabad, 7 April 2018.

Dr. Shernaz Cama presented a paper titled "*An Ancient Spiritual Bond: The Yasna and the Yagna of Iran and India*" at Conference The Asian Cultural Dialogues on Cultural Diversity and Co-operation held during 13-15 January 2018, Ferdowsi University, Mashhad, Iran.

Dr. Maya Joshi delivered a Public Lecture "*Travelling Selves: Thoughts on Birth, Being, and Belonging*", by the Department of History and the Rohatyn Centre for Global Affairs, Middlebury College, Vermont, U.S.A., 18 October 2017.

Dr. Wafa Hamid delivered lecture on '*Indian Culture through English Language*' as part of the Soka University-St. Stephen's College Academic Partnership Programme, 22 February-15 March 2018, St. Stephen's College.

### **National/International MoUs Signed**

With Indian/Foreign Universities: 9

Brown University, USA; LA Trobe University, Australia; NUS, Singapore; Middlebury, USA; Fukuoka Women's University, Japan; King's College, London; SciencesPo, Paris; American Graduate School, Paris; UCD Michael Smurfit Graduate Business School, Ireland With Indian/Foreign Companies/Industry: 3

### **Students under Exchange Programme**

Inbound: 4 and Outbound: 10

### **Placement Details**

Number of Companies for Placements: 131 (70 on campus)

Number of Final Placement Offers: 128

Percentage of students offered: 32%

### **Extension and Outreach Activities**

To help students assume leadership of movements of social transformation, the College in addition to NSS and NCC, has initiated four Innovative Programmes – the Voluntary Agency Placement Programme which provides opportunities for students to make a positive contribution to community development and social welfare, Dhyana the Society for Consciousness and Awareness which encourages experiential learning, the Women's Development Cell which engages with women's issues and REACH which is an acronym for Reaffirming Equity, Access, Capacity and Humanism and deals with issues of affirmative and inclusive learning.

### **Library Development**

The College Library with its fully computerized user-friendly data filing system has an invaluable collection of about 111000 books, 6481 bound journals, 1300 reprographic material and about 350 CDs and DVDs. It subscribes to a range of newspapers, national and international journals. The library has a book bank section, which enables students to borrow on a long-term basis. The Library is linked to the Delhi University Network, facilitating access to text and material. The Library is open from 8.00 am to 8.00 pm and is fully computerized with an error free database of all books and bound journals, created and maintained by the in-house team.

### **Faculty Strength**

Total number of faculty: 151

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 25,09,10,000

Grant Utilized: Rs. 29,37,44,641

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## **LAKSHMIBAI COLLEGE**

### **Major Activities and Achievements**

In the growth of the institution, the backbone is its infrastructure. This year the college has worked concertedly towards enhancement of its infrastructural capacity for the students as well as the faculty and non-teaching staff. From the building of eight classrooms (Porta Cabins) with a spacious Toilet Block to the development of Creche by renovating annex Block near the Principal's Bungalow; executing electrical restructuring by laying new cables underground to constructing new sewer line in the campus; installing Solar Panel of 76.8W to the opening of Open Gym with MPLAD Fund are among the major developments. Apart from this, the notable steps forward for the year in infrastructure include fully furnished Waiting Shed near the parking, construction of Admin Block (SPS), ground plus two Storey structure coming up behind the Library, development of Outdoor Canteen Area with boundary and pavement, construction of boundary wall of the Sports Ground and a Toilet Block, construction of Open Stage and pavements for Cultural Programmes, aluminium partition in Courtyard area and at other places creating Medical Room, Girls Common Room and five other rooms to be used for different purposes, installation of RFID Entry Recording System at the Library Gate, Girls Common Room and Library, construction work initiated to cover the Courtyard with transparent roof and installation of Rain Water Harvesting System.

### **Honours/Distinctions**

Lakshmibai College was awarded 27<sup>th</sup> Rank in NIRF.

The Lakshmibai College received Best Managed Campus Award 2017, by International Association of Educators for World Peace (affiliated to UN), at 38<sup>th</sup> World Management Congress, held at India International Centre, New Delhi, 21-22 December 2017.

Dr. Isha Chawla, received Exim Bank International Economic Research Annual (IERA) Award 2016 at the Award Function held at India Habitat Centre, New Delhi, on 02 August 2017.

Dr. Seema Kaushik received Veerta Puraskar Award 2017 for best contribution in NCC.

Dr. Sucheta Gauba was selected for Meritorious College Lecturer Award, Directorate of Higher Education, GNCTD in March 2018.

### **Students with Distinctions**

Divya secured Gold Medal for India in Subroto Cup International Power-lifting Championship held at Delhi



Reecha Singh stood 1<sup>st</sup> in Small Bore and 2<sup>nd</sup> in Big Bore Rifle in the 27<sup>th</sup> All India G.V. Mavlankar Shooting Championship. She also won 2<sup>nd</sup> position in the 60<sup>th</sup> National Shooting Championship in Big Bore Rifle Event.

Bharti secured 1<sup>st</sup> position in IDBI Marathon, while Kavita stood 2<sup>nd</sup> in Half Marathon in the same event.

Neeshu stood 1<sup>st</sup> in 4x400 m. relay in the Federation Cup Jr. National Athletics Championship.

Sushmita won 2<sup>nd</sup> and Monika bagged 3<sup>rd</sup> position in Youth National Boxing Championship.

### **Publications**

Chaturvedi, Dr. Sucheta. (2017) *Representing Violence Against Women in Post Colonial Indian Writing*. Published by LAP. (ISBN 978-3-330-33140-2).

Harneja, Dr. Alka. (2018) Life Insurance Needs of Indian Women, in “FINANZA The Ruppee Matters”. *Finance Newsletter*, I (1, Jan18-June18), 13-14.

Harneja, Dr. Alka. (2018) Online Life Insurance: Buyers Perception. *International Journal of Research and Analytical Reviews*, 5 I (1, Jan. –March 2018), ISSN 2348 –1269, Print ISSN 2349-5138 <http://ijrar.com/> Cosmos Impact Factor 4.236

Malhotra, Dr. Anita. (2017) Development and Validation of Health Education Tools and Evaluation Questionnaires for Improving Patient care in Lifestyle Related Diseases. *Journal of Clinical and Diagnostic Research*, 11(5): 6-9.

Malhotra, Dr. Anita. (2018) Non Alcoholic Fatty Liver Disease: Problems in Perception and Solution. *Journal of Clinical and Diagnostic Research*. 1-5.

Sharma, Dr. Lata (2017) Design and Development of Solar Autoclave, published in *Indian Journal of Science and Technology*, 10 (21), 1-6. ISSN (Print): 0974-6846, ISSN (Online): 0974-5645. DOI:10.17485/ijst/2017/v10i21/114491,

Sharma, Dr. Lata (2017) Solar Autoclave. *Global Multidisciplinary*, 9 (10, October). ISSN: 2249 –2054, Impact Factor: 3.578, 172-183.

Gauba, Dr. Sucheta. (2017) Financing of Corporate Investment: Panel Data Evidence from Indian Manufacturing Firms. *Asian Journal of Management*, 8 (3), 471-478. ISSN 0976-495X, online ISSN 2321-5771).

Gauba, Dr. Sucheta. (2017) U-shaped Relationship between Investment and Cash flows: Panel Data Evidence from Indian Manufacturing Firms *International Journal of Business, Management and Allied Sciences*, 4 (4), Pages: 135-142. (ISSN:2349-4638).

Gauba, Dr. Sucheta. (2017) A Study on Impact of Demonetization on Pradhan Mantri Jan Dhan Yozana. *Demonetisation, Digitisation and Financial Inclusion* (ISBN 817026380-8), 117-128.

### **Research Projects**

Title: “A study of the Modern Life Style obstacles of youths in Metro cities of India”, year/period – 2017-18, Funded by Rajiv Gandhi National Institute of Youth Development (RGNIID), Amount Sanctioned: Rs. 5,20,000/-.

### **Seminars Organized**

Peace Seminar in collaboration with HWPL South Korea organized by Lakshmibai College on 26 April 2017.

National Seminar on “Media, Mahila aur Nyay” organized by the Department of Hindi on 15 November 2017.

### **Conference Organized**

A Two days’ Workshop on “Team Building and Building Trust in Relationships” organized by IQAC and AEPIC and conducted by Mr. Digvijay Rapoot, Master Skill Trainer, Centum Learning at Lakshmibai College, University of Delhi, 22-23 March 2018 for the academic staff and from 26-27 March 2018 for non-academic staff.

A two-day workshop on Entrepreneurship Awareness organized by NIESBUD (Ministry of Skill Development, Government of India) for Lakshmibai College students from 16 to 19 March 2018.

### **Seminar/Conference Presentation**

Dr. Pratyush Vatsala, Principal presented a paper titled 'Security as Human Value: Issue of Human Security in Indian Subcontinental Operations' at 19th International Conference on Human Rights and Human Security held at Paris, France, 25-26 June, 2017.

Dr. Pratyush Vatsala, Principal, presented a paper titled "Vidushi Maitreyi se Vishwasundari Manushi tak Stri: Adhunikta aur Chunautiyan" at a Seminar on 'Stri Shakti- Bhartiya Thought and Practice' organized by Group of Intellectuals and Academicians on 28 Jan 2018.

Dr. Lata Sharma co-presented a paper titled, "Solar Autoclave" at 6th International Conference on Sustainable Development of the Society: Current Trends and Future Outlook, organized by Swami Shradhanand College, University of Delhi, in association with South Asia Management Association and Jabalpur Association, 26-28 August 2017.

Dr. Lata Sharma co-presented a paper titled, "Contribution of Indian Companies in Sports Promotion Through CSR" at International Conference on Issues & New Ideas in Sports Management, organized by Lakshmibai National Institute of Physical Education, Gwalior (M.P.), at Vigyan Bhawan, Delhi, 8-10 March 2018.

Dr. Lata Sharma co-presented a paper titled, "Corporate Social Responsibility: A New Perspective Towards Inclusive Development" at 10th International Conference on Strategies for Promoting Inclusive Development (IC-SPID-2018) organized by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association 17-18 March 2018.

Dr. Alka Harneja co-presented a paper titled, "Corporate Social Responsibility: A New Perspective Towards Inclusive Development" at 10th International Conference on Strategies for Promoting Inclusive Development (IC-SPID-2018) organized by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association 17-18 March 2018.

Dr. Alka Harneja co-presented a paper titled 'Upliftment Of Indian Sports Through Corporate Social Responsibility', at International Conference on Issues & New Idea in Sports Management, Organized by Department of Sports Management and Coaching, LNIPE, Gwalior (M.P.) (08 – 10 March, 2018).

Dr. Alka Harneja co-presented a paper titled 'Corporate Social Responsibility: A New Perspective Towards Inclusive Development' in 10th International Conference On Strategies for Promoting Inclusive Development (IC-SPID-2018) 17-18 March 2018 Organised by Dr. Bhim Rao Ambedkar College University of Delhi, India in Association with South Asia Management Association and Jabalpur Management Association. Abstract published in the conference proceedings.

Dr. Anita Malhotra co-presented a research paper titled 'Intake of gluten in Indian patients with celiac disease and their first-degree relatives: a pilot study'. 17<sup>th</sup> International Celiac Disease Symposium. Delhi 8-10 September 2017.

Dr. Isha Chawla presented a paper titled "FDI and Exports", (co-author, Prof. Bishwanath Goldar) at the seminar on 'FDI: Issues and Policy', organized by Forum for Global Knowledge Sharing, hosted by the Centre for Policy Studies, IIT Bombay, Mumbai on 24 February 2018.

### **Placement Details**

8 students were placed in various companies.

14 companies visited for campus recruitment.

### **Extension and Outreach Activities**

College students continued their best efforts in NSS and NCC. They brought different accolades to the college by participating in various activities at National Level. College also runs NCWEB and IGNOU centers to provide facility of education to those students who are not able to be part of regular college but still is in pursuit of knowledge. The results of the students have remained satisfying in this academic year as well.

### **Library Development**

The library committee of the college has been making efforts to improve and develop facilities. The three storey structure is being renovated and seating arrangements are being improved. With more staff we hope to realize the target of having a well equipped library. Reading space for students and faculty is being developed with facilities. Old books are being weeded out so that new books can replace them. In January

2018 the process of weeding was initiated and the old books were offered to students and faculty for a nominal fee.

On 2<sup>nd</sup> February 2018 the Annual Book Fair was organized in the college lawns. More than 25 book stalls offered the latest books to the students and faculty. The event saw enthusiastic participation. Four competitions were organized on the occasion. Book art designing, book mark making, slogan writing and poster designing competitions saw keen participation of students. The endeavor to improve the Library continues.

**Faculty Strength:** 155

**Financial Allocation and Utilization**

Grant Sanctioned: Rs. 27,15,93,000/-

Grant Utilized: All utilized

**Other Significant Information:**

The various societies in our college are another kind of performative platform for the students. Societies such as the Women's Development Cell play an important role in the idea of 'un-learning', that is, rejecting indoctrinated and regressive thought-patterns. This is achieved through seminars and panel discussions on gender politics but equally through creative and experimental forum such as plays put up by the students. What is also worth a mention is how the work of separate committees often finds a meeting point. 'Navrang', our Dramatics Society, reinforces the same idea of protest against social inequity through innovatively designed performances. Recently, in fact, sounds of robust and bold self-expression rang through the college as an inter-college Nukkad Natak competition was held in the lawns of the institution. This is in sync with our efforts to move the teaching-learning process out of the classroom and to tap to the full other critical and incisive forms of expression.

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**MAHARAJA AGRASEN COLLEGE**

**Major Activities and Achievements**

Recognition that the college has earned nationwide, is reflected in the surveys of last four years. In these surveys, our college has been ranked in higher positions, in both the Sciences and Humanities. In survey of India's Best colleges by India Today and Nielson Company, our college has secured the 22<sup>nd</sup> rank. In National Institutional Ranking Framework conducted by Ministry of Human Resource Development, Govt. Of India, the college has been placed at 32<sup>nd</sup> position. The college has also been accredited with "A" by NAAC. Many publications in National and International journals, many paper presentations and many projects at various levels have been the achievement of our faculty. Increase in the 1<sup>st</sup> divisions and higher percentage of marks has been another achievement of our students. NSS committee and active students have been working towards social upliftment of socially and economically deprived students.

**Honours/Students with Distinctions**

Akash Jain of B.Sc. Mathematical Science secured 90.86%.

Manzari Kushwaha of B.Sc. Physical Science secured 90.1%.

Mohit Rustagi of B.Tech. Computer Science secured 89.5%.

Uma Rani of B.Sc. Physical Science secured 88.9%.

Pushp Raj of B.Tech. Electronics secured 85.4%.

**Publications**

Prasannan, A.R., Aggarwal, J., Das, A.K., Biswas, J. (2017) A class of mappings between  $R_z$ -Supercontinuous functions and  $R_\delta$ -Supercontinuous function. *Honam Mathematical Journal*, Vol. 39 4:pp 575-590.

Chawla, G. (2017) "Foreword" *Re-storying the Indigenous and the Popular Imaginary* Volume III, ISBN 978-93-5207-385-6 Authorspress Publishers, New Delhi.pp. Vii-xx

Das, I. (2018) Bollywood Dance: Desire for the 'Other. in book titled *Dance Matters Too: Markets, Memories, Identities.*, eds. PallabiChakravorty and Nilanjana Gupta. Abingdon and New York: Routledge,. ISBN: 978-1-138-10637-6

Sinha, M. (2017) The Cultural Value of the Wedding Narrative on Indian Television: Band Baaja Bride' in Phillip Drummond (ed.) "London Film & Media Reader 5. Questions of Cultural Value". Kindle e-book: Amazon.

Gupta, P. (2018) Deep Neural Network for Human Face Recognition, I.J. Engineering and Manufacturing, , 1, 63-71 Published Online January 2018 in MECS, DOI: 10.5815/ijem.2018.01.06, ISSN: 2305-3631 (Print), ISSN: 2306-5982 (Online)

Kumar, R., Shethy, P. (2018) India's Candidature for Permanent Membership of the UN Security Council, Mainstream Publications , ISSN- 0542-1462.

Ram, R., Rahaman, M., Aldalbahi, A., Khastgir, D. (2017) Determination of percolation threshold and electrical conductivity of polyvinylidene fluoride (PVDF)/short carbon fiber (SCF) composites: effect of SCF aspect ratio, PolymInt. 66: 573–582.

Mittal, S. (2018) Delhi in Ahmed Ali's Twilight in Delhi' in *Acme International Journal of Multidisciplinary Research*, Vol. 6(1), (ISSN: 2320-236X).

Shukla, S., Srivastava, P.K., Rai, P. Spiritual Ecology and Sustainability: Practice and Confluence, Authors press, ISBN- 978-93-5207-386-3.

Kumari, V., Sachin, Singh, S., Saxena, M., Gupta, M. (2017) Analytical Drain Current Model for Gate and Channel Engineered Ring FET (GCE-RingFET), Elsevier, Superlattice and Microstructure.

### Research Projects

Title: Culture and Communication in Global Organizations, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr Sunil Sondhi.

Title: Cyber Security Help System, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.Meena Mehta, Dr Preeti Gupta and Dr.Vandana.

Title: Develop a Strategy for the In-house Performance Appraisal and Management of the Employees in the University of Delhi, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.T.N.Ojha, Dr.Kalpana and Dr. Priya Gupta.

Title: Developing E-Learning Materials for Information Management of Higher Education, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Mr. S.K.Rinten,Mr.Vinay Rai and Ms.Rachita.

Title: Strategic Management of Higher Education Institutions : A Case Study of University of Delhi, funded by University of Delhi, Amount sanctioned: Rs.12 Lakhs.PI - Dr.Sanjeev.K.Tiwari and Ms.Sushmita.

### Seminars/Conference Organized

Department of Biology participated in the organization of the 6th National Conference on "Biodiversity and Climate Change" with the sub theme "Wildlife Ecology, Conservation and Iconology".

'GST Talk 2.0' was organized by the department in order to incorporate knowledge of the new GST regime in the students. A huge participation of students and great enthusiasm was seen in this event, where C.A. Navya Malhotra was invited to impart the knowledge about ground level of implementation of this taxation system in our country and to share his observation in this context.

Seminar 'Startup and innovation' was again held in the month of August, in which guests like Mr. Saumyajit Guha, Mr. Yuvraj Bhardwaj and Mr. Vijay Rathee were invited.

A symposium dated 22 August 2017 was held on the topic "Kashmir Problem :The issue of Article 35A" and the chief guest was Shri Ashutosh Bhatnagar Executive Director Jammu & Kashmir study Center and the guest of Honour was Shri Yashraj Bundela Advocate, Supreme Court of India .

### Seminar/Conference Presentations

Ranvijai Ram, M. Rahaman, D. Khastgir, "Green method of preparation of Polyvinylidene Fluoride (PVDF)- Carbon Nanotube (MWCNT) Based Nanocomposites: Physico-mechanical properties" International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow, 3-4 October 2017, Organised by Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi.

Vandana Kumari Manoj Saxena, Mridula Gupta “Variability Investigation of Double Gate Junctionless (DG-JL) Transistor for Circuit Design Perspective, VDAT”-2017

Vandana Kumari, Abhineet Sharan, Manoj Saxena, Mridula Gupta, “Study of Extended Back Gate Double Gate Junctionless Transistor: Theoretical and Numerical Investigation, International Workshop on Physics and Semiconductor IWPSD”-2017

Charu Arya, Paper Presented titled – “*Broken Identities and Self in the Caste Communities- Voices in Autobiographies*” in the National Conference on ‘Limbale’s *The Outcaste* and Dalit Resistance on 22 March 2018, organized by Department of English, Dyal Singh Evening College, University of Delhi.

Debosmita Paul, Paper Presented: "Narratives of power and Pain: Folk Songs of Bengal and Bengali Identities" at 41st Indian Folklore Congress, organised by Manipur University, Imphal, November 2017

Sushil Yadav, "Resonance in a Geo-Centric Satellite due to Earth's Equatorial Ellipticity" in the National conference on Advances on Applied Mathematics and Statistics at Mata Sundri College, University of Delhi during 7-8 September 2017.

Neeraj Kumar, “Identification of the “Pandava Trail” in Karsog Valley of Himachal Pradesh and Influence of Pandavas / Mahabharata Heroes in Local Culture and Folk Songs” in National Conference on “Fostering Quality Research in Higher Education” on 23-24 March 2018

Sushmita Rajwar, “Asia-Africa Growth Corridor: What is in store for the future?” in Symposium on Asia-Africa Growth Corridor: Opportunity and Challenges, CAS, JNU, 15 March 2018.

Priya Gupta, “Conversational User Interface: A Paradigm Shift in Human Computer Interaction” at 5th International Conference on Business Analytics and Intelligence organized by Business Analytics and Intelligence (BAI), IIM Bangalore, 11-13 December 2017

Sushmita Rajwar, Japan and Africa Relations: Opportunities for India” in International Seminar on India and Africa: An Afro-Asian Perspective, Academy of International Studies, Jamia Millia Islamia, New Delhi, 15th-16th January 2018.

### **Extension and Outreach Activities**

Swachhhta Program: “Zero Impact On Environment”- group of MAC-NSS organized weekly cleanliness drives in the College and nearby areas including the market for 'four' months. The team also organized awareness hours too, where the volunteers interacted with peers about necessity of keeping surroundings clean Project ABHI (Agrasen Baroji Help Initiative) : The MAC- NSS unit has adopted Baroji village in the Mewat district of the state of Haryana. This year two visits were made to the village on 4th November 2017 and a three day camp was organized in January 2018, to interact with villagers, hold plantation drives, workshop for villagers to apprise them about government policies for them. A ‘Run for Unity’ was organised on 31st October 2017 on the occasion of Rashtriya Ekta Diwas (the birth anniversary of Sardar Vallabhbhai Patel) Around 30 NSS volunteers participated in the ‘Run For Unity’ to spread the message of unity in the society. Syaahi (The writing Club of MAC-NSS) -It was established as an online blog and has already published six editions with various write-ups from poems to opinion pieces. Syaahi, since its inception, has been receiving a huge number of write ups not only from the students of our college but from students of other colleges and from those in other states Pedal Power: MAC-NSS has a very active bicycle club with more than 40 members. Project “Akshar”: In this project volunteers provide quality education to the children from underprivileged section of the society. The stationery items are provided free of cost to the students. The money for the same was raised during the Annual Diwali Mela. On 14th November 2017 Akshar celebrated ‘children's day’ with more than 100 children from nearby slums and villages. Under Project Precision Agriculture for water conservation, models were developed in college and workshops organized in villages. Project Farm Waste Decomposting: Keeping in view the problem of stubble burning as the main cause of pollution in Delhi-NCR region, the NSS team held workshops in villages to apprise the villagers of various techniques available to decompose farm waste and distributed the decomposing culture. Plantation Drives: Several plantation drives were organized by MAC-NSS in collaboration with MAC-INSERCH. Visit to village Jharoda: In collaboration with Dept. of Social Welfare, University of Delhi. Workshop on Stress Management: “Nitai Sound Yoga” workshop was conducted by anti stress yoga experts for the teachers and students. Workshop on Community Sensitisation towards Visually Impaired Persons was organised.

### **Library Development**

The college library has more than 40,524 books and 47000 National and International e-journals and other important e resources related to Science & Technology, Social science, Arts and Humanities. Library fully managed by ALICE FOR WINDOW (library Automation software). Library organized library orientation programme, book exhibition workshop etc time to time for users need.

Library books loan Facilities.

CAS (Current Awareness Service)

List of Additions of books added recently in the Library and mailed to faculty and students for their reference.

News Alert is weekly provided through scanning of latest news and articles from national news papers. The book jackets of the new books are displayed on the board.

Photo Copy Facility This service is outsourced.

Bibliographical Service (Users on Demands).

Journals, Magazines, News papers Reading Facilities.

Reference Service: Our expert Library Staff is always available to assist the readers in locating the information and documents through, Ready Reference Service and Long Range Reference Service and E-Resources Service through DULS network and N-LIST Services through UGC Infflibnet Ahmadabad Gujarat

Library workshop: MAC, DU Library organized a one day library workshop on dated 20 April 2017 the topic 'Information literacy: Access & Retrieval' it was grand success. Library Book Exhibition: MAC, DU Library organized a two days library book exhibition on dated 17-18 August 2018 .it was about more than 30 reputed book publishers/distributors participated. Library Orientation Programme: MAC, DU Library organized a two weeks Library Orientation programme in august 2017 for 1 year students as per Departments batch wise schedules. Library of Maharaja Agrasen College, University of Delhi "NAAC" Grade (A) Certified. N-LIST, -(National Library and Information Services Infrastructure for Scholarly Content) facility in our college library for our library users in which more than 5000 e journals and e books access through login password users can be access any place any time without go to library building. Back years question papers facility for students .Available course Syllabus in print form our college library. Classification facility improved in library. Index Guide on the book racks for to make easy searching of existing books. -Library facility Separate cabine. Books arranged as per classified order. Monthly catalogue information services through mail for users.Catalogue data updated as per users demands through library software. New Arrivals display facility.

### **Next Future Planings**

RFID Technology System (Radio Frequency Identity Device).It's Advantages; self book checks-in/check-out, books security, quality based library management System, Easy to use, Time saving to users. Lookup the misplace material etc. WEB OPAC Library Facility: Worldwide searching facilities. Web OPAC is the online public access catalogue which allows users avail the services and Databased of the library using internet.

### **Faculty Strength**

Total number of Permanent faculty: 63

Total number of Ad-Hoc faculty: 53

Total number of Temporary faculty: 01

### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 22.84 Crore

Grant Utilized: Rs. 20.54 Crore (Approx.)

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## **MAHARSHI VALMIKI COLLEGE OF EDUCATION**

### **Major Activities and Achievements**

The academic session started with an orientation programme addressing all aspects of the two-year B.Ed. programme. The Foundation Day of the College was celebrated in Nov, 2017. Professor Meenakshi Thapan, Professor of Sociology, Delhi School of Economics, University of Delhi, delivered a talk on 'Contemporary Relevance of J. Krishnamurthy's World View and Educational Thought'. Visit to National Museum, Gandhi Smriti and Darshan Samiti, National Bal Bhawan and Indian National Science Centre was organized for the B.Ed. Ist year students as part of their Field Observation. Students whole-heartedly participated in the special assemblies marking Independence Day, Teachers Day, International Democracy

Day, World Sight and White Cane Day, and Human Rights Day. Special co-curricular programme were organized by the students on Environment Sensitization, Gender Sensitization, Voter's Day, World Health Day, and Earth Day. The students actively participated in the Swachhta Pakhwara, and Sikkim Weekunder Ek Bharat Shreshtha Bharat Programme on the specified days.

### **Publications**

Ashwini, S.. (2017) Mansik Gulami Ko Banaye Rakhane Wale Tantra Ke Roop Main 'English Medium System/ Angrezi Madhyam Vyavastha. Chaatra Vimarsh Patrika.

Jyoti.K. (2017) A Study of Academic and Professional Aspirations of Indian Adolescents.*MERI Journal of Education*.Vol. 12 (2).

### **Seminars Organized**

Seminar, 'Reconstructing Professional Identity: Some Reflections' by Professor Bharati Baveja, Former Head & Dean, Faculty of Education, University of Delhi.

Seminar, 'Curriculum in India: Narratives, Debates, Contestations' by Professor Poonam Batra, Department of Education, University of Delhi.

### **Seminar/ Conference Presentations**

Dr. Jyoti Kohli was Resource Person in a two-day Workshop for vetting and finalising English Workbook for Class IX, organised by the Department of Curriculum Studies, NCERT in February 2018.

Dr. Raghavendra Prapanna was panellist in the National Seminar on 'Language, Literature and Gender in the Contemporary Scenario' organised by Department of Education, University of Delhi in February 2018.

### **Library Development**

The library subscribed to 18 journals besides the e-journals available to it through DULS.

### **Faculty Strength**

Permanent – 14; Ad-Hoc – 04

### **Financial Allocation and Utilization**

Grant Sanctioned Rs. 7.66 Crores

Utilized Rs. 4.6146138 Crores

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## **MAITREYI COLLEGE**

### **Major Activities and Achievements**

Maitreyi College has an established and continuous tradition of achievements in Academics, Sports, N.C.C. and other cultural activities. The Hon'ble Vice-President of India, Shri M. Venkaiah Naidu was the Chief Guest at the Golden Jubilee celebration of Maitreyi College on February 27, 2018. Prof. Yogesh K. Tyagi, the Vice-Chancellor of Delhi University was also present on the occasion as Guest of Honour and Mr. Amitabh Kant, the CEO of NITI AAYOG as a Special Invitee. Maitreyi College was one of the 75 educational institutions chosen by the Ministry of Human Resource Development to celebrate 70 years of India's Independence and 75 years of 'Quit India Movement'. A one day Ultra Run of the EME 50 Days 50 half marathons Closing Ceremony was hosted by the College along with a yoga session on the occasion of the Platinum Jubilee Year, Ministry of Defence in March, 2018.

### **Honours/ Distinctions**

Former Principal, late Dr. Savita Datta received several prestigious awards, the World Ecology, Environment & Development (WEED) Award 2017 from International Association of Educators for World Peace, Bharat Ratna Indira Gandhi Gold Medal Award 2017 by the Global Economic Progress and Research Association and Exceptional Women of Excellence Award 2018 by Women Economic Forum.

### Students with Distinctions

Divyanshi Sharma, B.Sc. (H) Mathematics III year secured first position in Delhi University

Aafreen Khan, B.Sc. (H) Zoology III year secured first position in Delhi University

Himanshi Yadav, B.Sc.(H) Zoology I year secured first position in Delhi University

Shweta, B.Tech. Computer Science IV year secured highest marks in the college

Monika Soni, B.Sc. (H) Chemistry I year secured highest marks in the college

Oshin Sharma is the first student from the College to become an 'A' Level Adjudicator by breaking in two consecutive English Debating tournaments.

### Publications (selected)

Babbar, S., Sehgal, S. (2018) Mutual Fund Characteristics and Investment Performance in India. *Management and Labour Studies*, 43(1), 1-30.

Badhani, S., Muttoo, S. K. (2018) Evading android anti-malware by hiding malicious application inside images. *International Journal of System Assurance Engineering and Management*, 9(2), 482-493

Bagai, M. (2017) Sahaja Yoga: Realizing the Inner Peace. New Delhi: APH Publishing Corporation.

Chaudhary, A., Khurana, J.M. (2018) Advances in the Synthesis of Xanthenes: An Overview. *Current Organic Synthesis*, 2018, 15, 341-369. Doi: 10.2174/1570179414666171011162902. ISSN (Print): 1570-1794.

Gupta, R., Abraham, J.S., Somasundaram, S., Toteja, R., Makhija, S., Hamed A El-Serehy (2017) Taxonomic and Morphogenetic description of freshwater ciliate *Aponotohymena isoautralis* n. sp. (Ciliophora; Oxytrichidae) isolated from Sanjay Lake, Delhi, India. *Acta Protozoologica*, 56: 93-107

Jyotsna, Sherwani. N.U.K. (2017) BIMSTEC: FDI and Trade Economic implications for India, *Emerging Issues in Finance*, 44- 55.

Lumb, S., Lumb, S., Prasad, V. (2018). Rotational excitations of diatomic molecule with delta potential barrier. *Journal of Theoretical and Computational Chemistry*, 17(4), 1850022. DOI: 10.1142/S0219633618500220

Muttoo, S. K., Badhani, S. (2017) Android malware detection: state of the art. *International Journal of Information Technology*, 9(1), 111-117.

Roy, B., Singh, J., Sunsunwal, S., Dayal, G., Yadav, B., Bhardwaj, C., Teotia, A. (2017) Detection of Harmful Adulterants in Milk Supplied to Delhi, India. *Current Science*, 112 (11): 2316-2320. <https://doi.org/10.18520/cs%2Fv112%2Fi11%2F2316-2320>

Yadav, M. (2017) Significance of FGF-2 during tail regeneration in lizards: A review. *Journal of Cell and Tissue Research*, 17(2): 6155-6158

### Research Projects

Dr. Brototi Roy, project funded by DBT, Govt. of India, Ministry of Science and Technology, Understanding Signaling mechanism of inflammation in fish *Channa punctatus*, for Rs. 18, 87, 488/-

Dr. Ankita Chaudhary, Dr. Rajni Johar Chatwal, Dr. Hema Bhandari, Dr. Lata Vodwal, UGC Startup Project for Rs. 24, 00, 000/- (Rs. 6,00,000 each)

### Seminars Organized

Dr. Abhinash Bhora from Ashoka University on "Market Design", Professor Surajit Mazumdar from SSS, Jawaharlal Nehru University delivered talk on "Demonetization" in a seminar organized by Economics Department in October 2017.

Seminar in memory of Dr. Savita Datta (the late Principal and founder member of Physics Department, Maitreyi College,) organized by Physics Department on 29 September, 2017.



First Bilingual National Seminar titled "Technologies of the Self: Representation in Cinema and New Media" was jointly organized by English and Hindi Departments during March, 2018.

### **Conferences Organized**

Three day National level Faculty Development Programme "Time series Analysis" was organized by Department of Commerce in November, 2017.

### **Seminar/Conference Presentations**

Dr Poonam Juneja presented a paper, 'Plastics: Bane to Boon : A Review' in the 12th International Conference on "Entrepreneurship ,Innovation and Good Governance for Global Leadership" hosted by PrestigeInstitute of Management and Research, Indore at Prestige Institute of Management and Research, Indore held during February 2018.

Dr. Rajni Johar presented a paper,'Fabrication of silica supported organic-inorganic hybrid catalysts and their applications in diverse organic transformations'. in International Conference on "Sustainable initiatives in water management" at Manav Rachna University during March 2018

Dr. Mala Kapur Shankardass presented a paper, 'Elder Abuse: International Responses' at the International Conference on "Challenges in Elder Care" organized by Indian Society of U3A at IIC, New Delhi during March, 2018.

Shikha Badhani Chaired a session on "Advanced Computing" at 2nd International Conference on Advances in Computing and Data Sciences (ICACDS-2018) at Uttaranchal University Dehradun, India held during 20-21 April 2018.

Manju Bhardwaj, presented a paper, 'Accurate Clarification of Biological Data using ensembles' in an International Conference on 'Data Mining' (2015) held in Atlantic City, USA during 2015.

Ms. Shweta presented a paper, 'Organisational Commitment and Citizenship Behaviour- A study of select IT BPO Companies', at the 3rd International Research Conference organized by IARDO held during July 2017.

Dr. Pramod Kumar Singh,presented a paper, 'Veda Evam Rasayan Vigyan (Vedas and Chemistry)' in World Conference on the "Vedas" at Indira Gandhi National Centre for Arts (IGNACA), Janpath, New Delhi, held during Dec., 2017.

Dr. Sushil Kumari presented a paper,' कर्मतत्त्वएवंईशोपनिषद्' in the "गुरुकुलप्रभातआश्रम, मेरठ, उ.प.,राष्ट्रीयवैदिकशोधसंगोष्ठी" held during Jan 2018.

Ms N. Shradha Varma presented a paper,. 'Understanding the Perspective of Ambedkar on Women Empowerment : Past, Present and Future' in a two day National Seminar organised by Kalindi College, Delhi University during December 2017.

Ms. Shipra Verma,presented a paper. 'Mean difference of Psychological parameter among the inter university football' in International Conference on "Issues & New Ideas in Sports Management" organized by Lakshmibai National Institute of Physical Education, Gwalior (M.P).

### **Students under Exchange Programme**

NCC Cadet SUO Hemcy Sharma was selected for the Youth Exchange Program (YEP) 2017 held at Singapore.

### **Placement Details**

In the placement drives conducted on college premises 36 students got selected by companies like Ernst & Young- Global Delivery Network, IPAF, Global Arcus, NIIT, Decathlon, GENPACT, Jamboree and many students got selected for internships in various companies like Indian Exhibition Industry Association, Quirius, Young Leader Initiative, PUMA, Youth Alliance, Snapshots etc.

### **Extension and Outreach Activities**

The NSS volunteers attended a two-day learning Programme conducted by Alzheimer's Related Disorder Society of India (ARDSI) Delhi chapter in November 2017. Our students, Prakriti Sharma and Ankita Grewal along with faculty member, Mr. Ginmunlal Khongsai representing the Delhi University team won the Google Asia-Pacific Business Challenge 2017, a world wide online competition in which approximately 600 Professors and more than 12,000 competitors took part.

## Library Development

The college Library acquired 1197 books during 2017-2018. It subscribes to 62 Journals including popular magazines and a collection of 19 Newspapers are available in the library. The total collection of the library has been augmented to 95722 and 670 CDs. The library subscribes to more than six thousand E-Journals, 1,25,000+ titles of e-books by E-library and three crore book titles in world E-books Library through N-LIST. The college library has acquired the membership of DELNET (Developing Library Network) during the present academic session.

## Faculty Strength

Total number of faculty = 98

## Financial Allocation and Utilization

Grant sanctioned UGC (Maintenance Grant): Rs. 32,35,49,000/-

Govt. of NCT Delhi: Rs. 33,00,000/-

Grant Utilized : 100%

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## MATA SUNDRI COLLEGE FOR WOMEN

### Major Activities and Achievements

The College submitted the AQAR (Annual Quality Assurance Report) to NAAC, Bangalore in June 2017. Two new courses B.Sc (Hons) Computer Science and B.Sc (Hons) Statistics were introduced this session. Activity in-charges of different Societies, Cells and Committees also submitted a schedule of the activities they would be organizing through the year. Career counselling sessions were organized across departments. Alumni meet of individual departments were also held. Departments also organised parent-teacher meetings to facilitate better understanding of the student's progress. Feedback forms were also given to the students. The College celebrated its Golden Jubilee and a variety of programmes were organized to mark the occasion. The college organised sports competition for differently abled students. This Inter College Invitational Volleyball, Judo & Athletics Meet for Visual Impaired Students was organized on 1st & 2nd Feb 2018. Our students won international and national prizes in Sports, and national level prizes at the Inter-University Folk Song Competition and Gatka (Martial Art) Competition.

### Students with Distinctions

Garima Kumar from B.El.Ed 1 year secured 1st position.

Ridhi Mehendiratta from B.El.Ed. II year secured 3rd position in the University

Sports distinction

Karina Chauhan (BAP) won Gold medal at the Indo-Bhutan Volleyball Exchange Student Games 2017 held at Phuentsholing, Bhutan from 09 -10 Sept 2017.

Senior Under Officer Ratnapriya Tiwari was selected for the Youth Exchange Programme to Bangladesh in December 2017.

Vanika Kamboj Comp (H) 081 and Astha Tanwar B.Com. (H) won Gold medal in Taekwondo at PAP Stadium, Patiala.

Yukta Goswami Pol (H) won Silver medal in Table Tennis at Indira Gandhi Rajya Khel Parisar, Shimla.

### Publications (selected)

Kaur, B. M. (2017) Private Security Services: The Challenges Ahead. *International Research Journal of Management Sociology and Humanity* ISSN 2277-9809. 7( 11): 269-276

Dey, M., Dutta, P., Kumari, R., Kaur, S. (2018) A Primer on Legislative Support. New Delhi: Adroit Publishers. ISBN No: 978-81-87393-60-3

Gupta, L. K. (2018) Ret Anusheelan Ke Vividh Aayam. Delhi: Shri Natraj Prakashan. ISBN No. 978-93-86113-34-4.

Kaur, I .V. (2017) Green Marketing and Corporate Social Responsibility as is Aspect. *International Research Journal of Management, Sociology and Humanities*, ISSN 2348 9359.

Savita. (2017) Kabir KeKavya Main Bhakti.Muha- A History Alumni- Half Yearly Research Journal, Meerut University.30(15).ISSN no. 0937557.

Sharma, R. (2017) Act East Policy: Search for New Synergies to Augment India-ASEAN Interactions.India's Act East Policy Through Northeast Opportunities and Challenges. Ed.New Delhi: Mittal Publications.ISBN 81-8324-824-1.

Sharma,N. (2017) British Bharat Main Jangana - Census in British India.Rashtrawadka Bharat Nama.ed.Abhay Prasad. Delhi: Orient Blackswan. ISBN No. 8125058893.

Sukhija, M. (2017) Clemency Powers of the Indian President : The legacy lives on ...The Discussant- A Journal of Centre for Reforms, Development and Justice. RNI.No.DELENG/2012/48509.ISSN, 2250-3412.

Vats.Poonam. (2017) Factors responsible for political participation among rural women" *International Journal of Social Science Review*- UGC Journal No.41948.5(4).ISSN-2347-3797.

Virdi, I.K., Boparai, M.K., Kaur, M. (2017) Marketing Communication.Delhi : Pinnacle Publishing House. ISBN 9383848391

### **Journals**

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board = 03

### **Seminars Organized**

National Conference on "Advances in Applied Mathematics and Statistics" (NCAAMS2017) was organized by the Department of Mathematics during September 07-08, 2017.

Seminar on Kabir titled Kabir: Symbol of Syncretic India was organized by History Department on 16 March , 2018.

### **Seminar/Conference Presentations:**

Charu Arya presented a paper 'Kabirkidhanaurshramsambandhivichardhara' in an International Seminar organized by Atma Ram Sanatan Dharm College, University of Delhi held during 30 to 31 January 2018 .

Radhika Menon presented a paper "at a national seminar, 'भारतमेंशिक्षकोंकीपेशेवरपहचान: पहचान : नवउदारवादीदौरऔरउभरतेहुएनएस्वरु' organised by AUD-APU held during 23 to 25 May 2017.

Daljit Kaur presented a paper, 'Kesariya Culture' in a national seminar on "Swatantrata Sangram ki Virasat – Bharatiya Rashtravadi" organized by The Freedom Fight Cell, Delhi Secretariat, held during 7 to 9 August 2017

Navendu Shekhar presented a paper, 'Construction of masculinity in Mughal Empire' in a day long National Seminar on "Caste and Gender; Past and Present: Literary Perspectives" held at Atma Ram Sanatan Dharma College, New Delhi during 23 March, 2018.

Monika Mishra presented a research paper, 'Ved Evam Sanyukt Rashtra Ka Manavadhikar, Ghoshna Patra' at the International Conference in IGNCA during 16 December, 2017.

Simmi Kapoor Mehta presented a paper, 'So Said the Saints' in a two –day International Seminar on "Kabir: Different Perspectives" held at Atma Ram Sanatan Dharm College, New Delhi during 30 to 31 January, 2018.

Sunil Kumar presented a paper, 'काव्यऔरसंगीतकाअंतरसंबंध' in a National seminar at JLN College, Faridabad held during 16 March, 2018.

Nidhi Kunwar presented a paper, 'Process Writing with Middle School Children: Possibilities and Potential' in the National Seminar "Writing in School: Processes, Practices and the Writer" organized by Central Institute of Education, University of Delhi under the aegis of ONGC and IASE, MHRD, Government of India during 21 to 22 February ,2018.

Gurvinder Kaur presented a paper. 'Determinants and inhibitors of Core Brand Dilution post Brand Extension' in a National conference held at Delhi Technical Campus, GGSIP University during March 9, 2018.

Harleen Kaur presented a paper, 'Incubator Supported Start Ups vs. Other Start Ups: Research Propositions' National Seminar on "Contemporary Strategies for Sustainable Development: Marketing and HR", Sponsored by ICSSR, DDU College, University of Delhi 10 November, 2017.

### Other Inter-Institutional Collaboration

School Collaboration Project SAHYOG- Stepping Together Ahead with Sri GuruHarkrishanKhalsa Girls Senior Secondary School and KamleshBalikaVidyalaya (both primary and middle schools) .

### Placement Details

Number and percentage of students placed : 118

Number of companies visited for campus recruitment: 5

### Library Development

1,617 books were added during the year 2017-18. The Library also subscribes to 66 journals and magazines. The Library Department organized 7 Book Exhibitions during this year. A Book Exhibition on Faculty publication was also organized.

### Faculty Strength

Total number faculty members = 150

### Financial Allocation and Utilization

Grant sanctioned: Rs. 33,72,01000/-

Grant Utilized: Rs.30,66,15169/-

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## MIRANDA HOUSE

### Major activities and achievements

Miranda House was awarded All India Rank One amongst colleges under the National Institutional Ranking Framework (NIRF) 2018 for the second consecutive year. It was also ranked as the top most college in the Science Stream in the India Today Best College Survey 2018. This strengthened its reputation as a college accredited with A+ by NAAC and granted the Star College status by the Department of Biotechnology. College celebrated seven decades of sustained excellence with seven mega events organized during the year. These were an International Science Symposium Unlocking the Secrets of the Universe in collaboration with CERN; first ever Science Conclave for DST UG INSPIRE Scholars; DST INSPIRE mentorship camp for school students; an International Conference emanating from the immensely successful Add-on Course The Rhetoric of Development; a conference on Social & Technological: Access & Accessibility; Faculty Development Programme on Genome Editing Tools.

### Honours/ Distinctions

The college received the Dr. Arun Arora 50 Best Educational Institutes of India Award at the World Education Congress, 23 November 2017, Mumbai; and the National Skill Resources Development Award at the National Skill Development Summit 2017, IIC New Delhi, on 3 October 2017.

Dr. Pratibha Jolly (Principal)

- Received the First Buti Foundation Lecture Award 2017 instituted by the National Academy of Sciences India (NASI), Allahabad.
- Awarded the World Economic Forum –Women of the Decade in Academia Award on 13 May 2017; Women Economic Forum 2017.
- Nominated to the Executive Committee of the National Assessment and Accreditation Council; Member, National Task Force and Expert Committee on Star College Scheme, DBT, July 2017; the National Academic Committee for supervision of National Children's Science Congress, Department of Science and Technology, April 2017; Member, Scientific Review Committee for Initiative for Research and Innovation in Science (IRIS) Programme, INTEL DST Initiative.

Dr. Bijayalaxmi Nanda received the University of Delhi Excellence Award for Teachers in Colleges in the Social Science Stream on 1 May 2017, the University Foundation Day.

Dr. Madhu received the International III Prize for paper presentation at 7th World Youth Buddhist Symposium, at Chiang Mai, Thailand in August 2017.

Dr. Klawati Saini received the International Association of Advance Materials Scientist Medal, 2017.

## Students with Distinctions

### Academics

Vibhuti Gupta, B.A. Programme III Year, secured I position in the University.  
Ningombam Athoibi Devi, B.A. (H) History III Year, secured I Position in the University.  
Pratiksha Singh, B.A. (H) Geography III Year, secured I Position in the University.  
Sumra Alam, B.A. (H) Sociology III Year, secured I Position in the University.  
Sehal Jain of B.A. (H) Political Science III Year, secured I Position in the University.  
Apoorva Tiwari, B.Sc. Physical Science III Year, secured I Position in the University.  
Shipra Ruhel, B.Sc. (H) Botany III Year, secured I Position in the University.  
Sarah Mehdi, M.A. Philosophy Final Year, secured I Position in the University.  
Devika Agarwal, M.A. Music Final Year, secured I Position in the University.  
Aishwarya Padmanahan, M.Sc. Zoology Final Year, secured I Position in the University.

### Sports

Taekwondo team continued the winning spree for the 5<sup>th</sup> consecutive year by becoming the Winners in the Delhi University Inter College Taekwondo Championship with 5 Gold medals, 1 Silver medal and 1 Bronze medal. Netball team were Winners for the 10<sup>th</sup> consecutive year in the DU Inter College Netball Championship. Tennis team secured second position in the DU Inter College Tennis Championship. The Athletics team won 2 Gold, 3 Silver and 1 Bronze medal in the 93<sup>rd</sup> DU Inter College Athletics Meet.

NCC cadets won 9 State level; 7 National level; and 1 International level awards. Cadet Simran Kapoor was delegated to the Perm Cadet School, Russia. She also won the International Rally of Young Patriots Medal.

## Publications (selected)

Publications: 78 in international and 30 in national journals; Scopus: 60

Books 13; chapters in books 7.

Gorobets, N.Y., Sedash, Y. V., Singh, B. K., Poonam, Rath, B. (2017) An overview of currently available antimalarials. *Current Topics in Medicinal Chemistry* 17: 1-14.

Jolly, P., Physware. (2017) A Collaborative Initiative for Strengthening Physics Education and Promoting Active Learning in the Developing World. *Scientia in education* 8 (Special Issue), 59-78; ISSN 1804-7106.

Kandasamy, G. L., Sudame, A., Luther, T., Saini, K., Maity, D. (2018) Synthesis of hydrophilic and surface-functionalized superparamagnetic iron oxide nanoparticles for magnetic fluid hyperthermia application in liver cancer treatment. *ACS Journal, Applied Materials & Interfaces*, Manuscript ID: am-2018-01673j.

Kannojiya, R. (2017) Portrayal of women's image in Hindi cinema. *Human Rights International Research Journal* 5: 59-62.

Kaur, B. (2017) Farm Business Income and Net Household Income of Farm Households in Punjab- A Comparative Study of Ludhiana and Bathinda Districts. *Conference Issue of Agricultural Economics Research Review* Vol. 30, ISSN 0971-3441.

Kaur, G., Tomar, M., Gupta, V. (2018) Development of a microfluidic electrochemical biosensor: Prospect for point-of-care cholesterol monitoring, *Sensors and Actuator B*, 261 460-466.

Mishra, R., Das, M.K., Singh, S., Sharma, R.S., Sharma, S. & Mishra, V. (2018) Articulation-D induces apoptosis via activation of caspase-8 in acute T-cell leukemia cell line. *Molecular and Cellular Biochemistry* 426(1): 87-99.

Nanda, B.. Sex Selective Abortion and the State: Policies, Laws and Institutions in India, HarAnand Publication, Delhi.

Rana, L., Gupta, R., Tomar, M., Gupta, V. (2017) ZnO/ST-Quartz SAW Resonator: An efficient NO<sub>2</sub> gas sensor", *Sensors and Actuator B*, 252 (2017) 840-845.

Singh, A., Sharma, A., Tomar, M., Gupta, V. (2018) Tunable nano structured columnar growth of SnO<sub>2</sub> for efficient detection of CO gas, *Nanotechnology*, 29 (6) 065502.

Singh, H., Rajeswari, M. & Khurana, J. M. (2018) Synthesis, photophysical studies, and application of novel 2,7-bis(1-butyl-1-Hydrogen-1,2,3-triazole-4-yl)methoxy)naphthalene as a highly selective, reversible fluorescence chemosensor for detection of Fe<sup>3+</sup> ions. *Journal of Photochemistry and Photobiology A: Chemistry*. 353: 424–432.

### Teachers Serving as Editor(s)/Member(s) of Editorial Board: One

#### Research Projects

Major Projects: 16 ongoing with total grants of about Rs. 17.4 Crore (Rs 1,737.676 lakh)

Minor Projects: 2 ongoing with total grants of Rs 18 lakh.

Dr. Jayashree Pillai, Dr. Sonali Chitalkar, project funded by ICSSR (2017-19), "Inter regional aspirations in Jammu and Kashmir" for Rs. 18.7 Lakh.

Dr. Bhupender Kaur, project funded by ICSSR, (2017 -18), "Access of Institutional credit to small and marginal farmers and its impact on their livelihood – A case study of Punjab"; Rs. 8 Lakh.

Dr. Monika Sharma, Dr. Sadhna Sharma, project funded by DST (2018-21), "A study of macrophage apoptosis and mitochondrial integrity in response to PE/PE\_PGRS family proteins of Mycobacterium tuberculosis" for Rs. 68 Lakh.

Dr. Monika Tomar, Development of thin film Surface Acoustic Wave device as a platform for the sensing applications [DST/TSG/ME/2013/58-G]; DST (Min. of S&T); Nov. 2014-19; Rs. 474.34 Lakh.

Dr. Monika Tomar project funded by DST (2015-2017), "Validation and improvement of indigenously developed table-top Surface Plasmon system (SPR) system [DST/IDP/SEN-NEW/25(G)]", for Rs. 86.31 Lakh.

Dr. Monika Tomar project funded by DST (2017-20), "Development of Ferroelectric thin film based photovoltaic cells [EMR/2017/000194]; for Rs. 31.54 Lakh.

Dr. Monika Tomar, project funded by DRDO (2017-18), "Feasibility study for fabrication of Air bridges by gold electroplating"; for Rs. 9.42 Lakh..

Dr. Poonam, project funded by DST(2016-19). " Thio-click approach for the synthesis of stable glycomimetics and chiral oxathia crown ethers" for Rs. 36.816 Lakh.

Dr. Kalawati Saini, Ms. Nutan Rani, Dr. Smriti Sharma Bhatia. To Establish a Pollution Monitoring Station Across road over the Nala at Kingsway Camp and determine effects of pollutants and Air quality on the public health and microflora/microfauna; DBT; April 2018-2019 Rs. 8 Lakh.

Dr. Saloni Bahri, Dr. Sadhna Sharma, Dr. Smriti Sharma Bhatia, project funded by DU (DU star Innovation Project, 2015-19), "Therapeutic Potential of Medicinal Plants: Culture, Extraction, Physicochemical Characterization and Testing their Cytotoxic or Immunostimulatory Properties" for Rs. 26.66 Lakh.

Dr. Pratibha Jolly, project funded by DU (DU Star Innovation Project, 2015-19). "Core Development of College Infrastructure and up of a Central Instrumentation Facility"for Rs. 26 Lakh.

#### Patent Filed/ Granted

Dr. Monika Tomar filed for grant of three National and one International Patents.

National:

1. Electric field assisted low power consuming conductor-metric gas sensor
2. A sensitive, selective and rapid fuel gas sensor
3. Multi-states nonvolatile opto-ferroelectric memory

International

4. Multi-states nonvolatile opto-ferroelectric memory material and process for preparing the same thereof

#### Seminars and Workshops Organised

More than 75 lecture seminars were organized including about 20 International speakers.

Workshop for School Teachers on *Online Labs for School Experiment*, in collaboration with Amrita University, Kerala; Departments of Chemistry and Physics 11 April 2017.

The Big Bang: Unlocking the Secrets of the Universe in association with CERN, Physics Department; 2 August 2017.

Social Exclusion and Discrimination in India, Equal Opportunity Cell, 18 August 2017.

Social Exclusion and Discrimination in India; Exhibition and round table discussion on Freedom Struggle: Told and Untold Stories; Political Science Department, 18 August 2017.

Biofertilizers, DBT Star College Scheme, 04 September, 2017.

Immunoinformatics for Rational Vaccine Design, DBT Star College Scheme, 18-22 September, 2017.

INSEF Regional Science Fair for schools; Miranda House, 13 October 2017.

Internet of Things (IOT), Robotics Society, Physics Department, 14-15 October 2017.

International Seminar, Big Data in Economics Analysis, Department of Economics, 26 October 2017.

Understanding Sexuality: Challenges for Education, Department of Elementary Education, 6 November 2018.

GIS Based Earthquake and Landslide Zonation, Geography Department, 25 January 2018.

Management and Cultural Contexts, Indo-Dutch Collaboration with Hoger School Utrecht University of Applied Sciences the Netherlands, 27 January to 3 February 2018.

VIGYANshala – Communicate and Inspire Workshop in association with University of Cambridge, UK, Physics Department, 5 February 2018.

Second World War and Contemporary Geopolitics, Geography Department, 8 February 2018.

Zentih: Annual Economics Conclave, Economics Department, 9 to 10 February 2018.

Reconceptualising Planning, Geography Department, 26 February 2018.

National Seminar Ved–Navaneetam, Sanskrit Department, 28 February 2018.

National Symposium cum Faculty Development Programme *Genome Editing Tools*, 15-22 January 2018.

### **Conferences organized**

Indo Hungarian Symposium on Recent Advances in Chemistry and Biology (INHCAB - 2017) in association with University of Debrecen, Hungary on 11 December 2017.

INSPIRE Mentorship Camp for school students sponsored by DST, 18 to 22 December 2017.

Rethinking the Obvious – The Rhetoric of Development, in collaboration with George Washington University, USA, 6 to 7 January 2018.

Science Conclave: Research on the Frontiers, for DST INSPIRE UG Scholars, 8 to 10 January 2018.

Social & Technological: Access & Accessibility, 18 to 19 January 2018.

### **Seminar /Conferences Presentations**

Pratibha Jolly gave an invited talk 'Woman, Scientist, Entrepreneur: Engendering Skills for the Changing Workplace', at the National Conference on "Technological Empowerment of Women, Commemorating the International Women's Day, organized by National Academy of Science India, Allahabad (NASI)", held at Vigyan Bhavan, New Delhi during 8 to 9 March 2018.

Monika Tomar presented a paper, "Surface Plasmon Resonance based Electro-optics modulator 6<sup>th</sup> International Symposium on Integrated Functionalities, ISIF 2017, New Delhi, during 10 to 13 December 2017.

Mallika Pathak presented a paper, 'Binding mechanism of the antidiabetic drug, metformin with the digestive enzyme, pepsin: an experimental and theoretical study' at the XIV International Conference on "Molecular Spectroscopy, from Molecules to Functional Materials", Kraków-Białka Tatrzańska, Poland held during 03 to 07 September 2017.

Kalawati Saini gave an invited talk 'Green synthesis of ZnO nanoparticles by using *Azadirachta indica* and their photocatalytic, anti-bacterial, anti-fungal and anti-diabetic activity' at the European Advanced Materials Congress-2017, Stockholm, Sweden held during 22 to 24 August 2017.

Monika Arora, presented a paper 'Effect of oblateness on the existence of liberation points in R4BP' at the CELMEC VII, International Conference in Celestial Mechanics, San Martino, Al Cimino, Viterbo, Italy held during 03 to 09 September 2017.

Sharmila Purkayastha presented a paper "Custody, Torture and Women Political Prisoners" at workshop on Carceral Logics and Social Justice, Tata Institute of Social Sciences, Mumbai, 14-15 March 2018.

Radhika Chadha presented a paper 'Early Modern Connectivity: Drawing out Deltaic Bengal through Portuguese Narratives, c. 1500-1640' at the AAS-in-Asia International Conference on Asia in Motion: Geographies and Genealogies, India Habitat Centre, 5-8 July 2018.

Madhu presented a paper, 'Divided we stand: Mobile Culture and Digital Inequality in India' at the Eurosymposium on Societal Challenges in Computational Social Science, in London, 15 to 17 November 2017.

Reena Kannojiya presented paper 'Portrayal of women's image in Hindi Cinema' at the International Conference on Advances in English Studies, Women Empowerment, Business, Humanities and Social Science in Goa, 28-30 December 2017.

Sreemati Chakravarti presented a paper 'Response of 1857 in Bengali Literature' at a seminar organized by International Congress of Bengal Studies, in Dhaka, Bangladesh on 27 January 2018.

### **National/ International MoUs**

#### **International**

With Hoge School Utrecht University of Applied Sciences the Netherlands; George Washington University, Washington DC; Lynchburg College, USA; Ontario Universities, Canada; International Research Group on Physics Education (GIREP).

#### **National**

With NII (Science Setu Programme); Google Ltd; Use google apps for education; Weekendr (Mobiquel); Nehru Arts and Science College, Coimbatore; ICT Academy; Tata Power Delhi Distribution Ltd. for Student project; Indian Reprographic Rights Organization.

### **Other Inter-Institutional Collaborations**

Miranda House has linkages with a vast network of academic institutions, social organizations; corporate entities and eminent citizens at large. This year college hosted those from Institutions cited above. The highlight was visit by delegations from University of Hong Kong led by President and Vice Chancellor.

### **Students under Exchange Programmes**

Outbound: SP Jain School of Global Management: Initiative at Miranda House (2 students in December 2017); Utrecht Business School on Strategic Management and Culture from June - July 2017 (2 faculty and 12 students)

Inbound: Utrecht Business School (10 students); Ontario University (2 students)

### **Placement Details**

Number of students getting successful placements: ~90 (90%)

Number of companies/industries visited for campus recruitment: 40.

### **Extension and Outreach activities**

Miranda House encourages all students to participate in extension work, community engagement and outreach.

Under Clean Environment programme, more than 100MH Vatavaran volunteers undertook an Anti-litter Drive on 11 and 13 September 2017 to clear the DUSU election posters and pamphlets lying around the campus. The National Institute of Urban Affairs (NIUA), New Delhi, brought officials from Urban Local Bodies (ULB) in different parts of India to Miranda House to see best practices in solid waste management, during twelve Swachh Bharat Mission Exposure. NSS unit of the college has established Teaching Centres for disadvantaged students in Hudson Lane (Hakikat Park) called Jangyanodaya. NSS and Enabling Society volunteers continued to assist visually challenged students in many ways throughout the year. They provided academic assistance by reading to the visually challenged and recording lessons. The college launched major programmes on issue such as physical fitness; substance abuse; mental health; women's health issues; cancer; Alzheimer's disease; road safety; self defense training; women and law; consumer affairs; right to information; electoral reforms; anticorruption movements; and citizenship.



### Library Development

The total sanctioned budget was Rs. 16,66,100. In the academic year 2017-18, 943 volumes of books were added. The LIBSYS LSEase Management was upgraded to Web centric OPAC, connected to DU LAN. OPAC is available on Intranet. It provides access to DULS and major databases such as N-LIST and INFLIBNET. Orientation programme was organized for faculty. Information Literacy Workshop was organized for faculty and students in collaboration with Delhi University Library System to upgrade them on use of e-resources available on DULS portal. The Annual Book Exhibitions was held.

### Faculty Strength

Permanent: 135, Temporary: 02, Ad hoc: 67

### Financial Allocation and Utilization

Grant sanctioned: Rs. 51,56,66,000/-

Utilization: Rs. 47,90,82,317/-

### Other Significant Information

Number of faculty who are Ph.D. guides is 14; students registered for Ph.D. under them is 28. This promotes research culture. Students have been selected for internships in the best institutes. As many as 20 science students did summer internship at Vikram Sarabhai Space Centre, ISRO, Chennai Mathematical Institute, NIUS, Tata Institute of Fundamental Research, Physics Research Laboratory, Indian Institute of Science, Inter-University Accelerator Centre, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR). More than 50 students worked as summer interns in the DS Kothari Centre for Research and Innovation in Science Education at Miranda House. 17 students have got admissions in well recognized universities abroad with scholarships.

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## MOTILAL NEHRU COLLEGE (DAY)

### Major Activities and Achievements

An International Conference on Applicable Mathematics was held at Motilal Nehru College, Delhi University. The conference was organized by the department of mathematics on 19th and 20th February. The chief patron of the conference was Dr. Subhasis Halder, Acting Principal. The conference was partly sponsored by IEEE, EDS, Delhi Chapter. The chief guest of this event was Padmashree Awardee Prof. Dinesh Singh. A group of seven plenary speakers from around the world; Asgar Rahimi (Iran), Mati Abel (Estonia), Mart Abel (Estonia), Juan H. Arrendondo (Mexico), Gabriel Kantun Montiel (Mexico), and Reyna Maria Perez Tiscareno (Mexico) became a part of this conference.

### Honours/Distinctions

Dr. Anu Pandey received Award for Lecturer from the Directorate of Higher Education, Government of Delhi.

Dr. Radhika Kumar received the ICAS: MP post-doctoral fellowship on the topic Gender, Caste and Political Representation: the case of Dalit women panchayat members in the state of Haryana (2018), at the Institute of Economic Growth, New Delhi.

### Publications

Gosai O P, (2017) Herdading Audit Committee: A precursor of Ethical Accounting and Reporting, *Indian Journal of Accounting*. XLIX (2), 69-76, ISSN:- 972-1479.

Gupta, M. (2017) Share Buyback and Announcement Effects: An Industry Wise Analysis" (6), 2, *FIIB Business Review*.

Gusai, O.P. (2018) Cybercrimes and Cyber laws, Cengage Learning India Private Ltd.

Jarwal, D. (2017) "Digital Economy & India", Chartered Secretary, 47(6).

Panwar, K. (2017) Sanskrit Dharmgranthon Mein Dalit Stri Pratirodhi Swar. Proceeding published in MS College, Motihari, and Department of Humanity in collaboration with Asia Pacific Conference on Energy and Environment Technology, ISBN 978-93-84264-25-3.

Khanna, N., Kumar, V., Kaushik, S.K. (2017). Wavelet packets and their moments, *Poincare J. Anal. Appl.*, (2), 95–105.

Kumar, R. (2017) Padayatras and the Changing Nature of Political Communication in India', *Studies in Indian Politics*, 5(1), 32-41, Sage Publications

Panwar, K. (2017) Johadi' (kahaniSangrah) National Book Trust of India, Ministry of Human Resources development, Government of India, New Delhi. ISBN: 978-81-237-8097-9.

Poumai, K.T., Jahan, S.(2017) On K-atomic decompositions in Banach spaces, *Electron. J. Math. Anal. Appl.*, 6(1): 183–197.

Poumai, K.T., Rathore, G.S., Bhati, S. (2017) A note on frames in Banachspaces, *Int. J. Comput. Appl. Math.*, 12(2): 631–638, 2017.

### **Research Projects**

Dr. Devendra Jarwal completed ICSSR funded major research project titled “Impact assessment of dalit entrepreneurship on economic development of Rajasthan in the post liberalized era”.

### **Seminar/Conference Presentations**

Khole T Paumai presented a paper, 'Orthogonal Greedy Algorithm For frames in Hilbert spaces' in the 12th International Conference on "Sampling Theory and Applications (SampTA-2017)", organized by Tallinn University, Tallinn, Estonia, during 3 to 7 July, 2017.

Kaushal Panwar presented a paper, 'Vedanta and the Caste System' in 23rd International Congress of Vedanta, organized by the Center for Indic Studies at the University of Massachusetts Dartmouth, during August 10 to 13, 2017.

Kalpna Malik presented a paper, 'Ardhakathnaka: Migration and Economic World of a North Indian Merchant in Mughal Times' in an International Seminar on "Migration and Settlements: Development of Cross-Cultural India" organized by Mahila P.G. Mahavidyalaya, Jai Narayan Vyas University, Jodhpur, Rajasthan, during 25 to 26 July 2017.

Kalpna Malik presented a paper, 'Economic Impact of the Marathas on the Jaipur State During the Eighteenth Century', in a National Seminar on "Environment, Economy and Society in the Indian Context" organized by Shri Natnagar Shodh Samsthan, Madhya Pradesh during 9 to 11 September, 2017.

Devendra Jarwal presented a paper, 'Cash to Cashless Economy: Challenges & Opportunities' at 70<sup>th</sup> All India Commerce Conference, at Jaipur (Rajasthan), held during October, 2017.

Nikhil Khanna presented a paper, 'Vanishing moments of wavelet packets and wavelets associated with Riesz projectors' in the 12<sup>th</sup> International Conference on Sampling Theory and Applications (SampTA-2017), organized by Tallinn University, Tallinn, Estonia during 3 to 7 July, 2017.

Avnish Kumar Sisodiya, presented a paper, 'Learning Electromagnetic Theory through Problem Solving, Numerical Simulations and Lab Experiments' organised by Department of Applied Physics, Gautam Buddha University, Greater Noida (UP), during December 27, 2017 to January 2018.

### **National/International MoUs Signed**

#### **MOU and Collaborations**

With NIESBUD (National Institute of Entrepreneurship and Business Development), Ministry of Skill Development and Entrepreneurship, Government of India to implement the Pradhan Mantri YUVA Yojana (PM-YUVA) scheme for the students of the college, 2017-18.

#### **Placement Details**

Number of Companies visited for campus recruitment 09 Over 40 companies offered jobs and internships to the students of our college. The Placement Cell successfully moderated opportunities that resulted in the placement of over a 100 student.

#### **Extension and Outreach Activities**

The E-Cell (Entrepreneurship Cell) of Motilal Nehru College under the Prime Minister YuvaYojana was inaugurated on 10th November 2017. The guest for the event was Mr. Manu Sakunia and Ms. Monika Sharma from Entrepreneurship Hub, Prime Minister YuvaYojana, NIESBUD, Noida. On 1st Feb 2018 the

E-Cell of Motilal Nehru College organized the Internstreet 2 Fair. The chief guest for the event was Shri Jagmohan Bhogal, Director, Prime Minister YuvaYojana, NIESBUD, Noida. The fair had participation from 38 companies and around 250 students across Delhi University colleges. In the span of last two years, apart from serious academic engagements, the center has created a plausible space for overall development of the students aiming at holistic personality development, awareness about social issues, understanding of the multi-cultural facet of our society and the nation at large. The center has also organized a programme in collaboration with a NGO on "Awareness of Breast Cancer."

### **Library Report**

Library has collection of about 116577 Books and about 104 Journals and Popular Magazines as well as continuous access to a large number of full text and bibliographic e-resources through Delhi University Library System (DULS), National Library and information Services Infrastructure for College (N-List) and Developing Library Network (DELNET). The E-resources Centre of library has 21 computer System for e-resources and internet access. The College library has provision of inter library loan provided by DELNET. It also has a well-equipped empowering unit with all latest software and gadgets facility for visually challenged users.

### **Faculty Strength:**

Total number of faculty = 134

### **Financial Allocation and Utilization**

Grants Sanctioned	Rs.31,08,76,000/-
Utilized	Rs. 28,99,08,000/-

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## **MOTILAL NEHRU COLLEGE (EVENING)**

### **Major activities and achievements**

Motilal Nehru College (Evening) established in July 1965, by a distinguished educationist Dr. R.K. Bhan as a Founder Principal, is a constituent college of the University of Delhi, situated on a prominent location at Benito Juarez Road adjacent to the University of Delhi South Campus, New Delhi. Apart from imparting education in various popular courses of study under the CBCS 3 year degree programmes like B.A. (H) English, B.A. (H) Hindi, B. A. (H) History, B.A. (H) Political Science, B.Com (H), B.Com. and B.A. Programme, the college also emphasizes on character-building of the students and includes high moral values to shape them as rational, responsible and self-reliant human beings. NSS unit of the college carried out various activities like celebration of 'International Yoga Day', Blood donation camp, road safety awareness etc.

### **Honours/Distinctions**

Dr. Priya Bhalla has been appointed as a fellow in the Nehru Memorial and Museum library for two years.

Dr. Honest Moinuddin was awarded the PhD degree from Jamia Milia Islamia University, New Delhi.

Pushpa Meena, submitted her PhD in Hindi to the Department of Hindi, University of Delhi.

### **Student Distinction**

In the year 2017-2018 edition of 'University of Delhi Football Championship' the college bagged Silver Medal. The Football team also participated in SPREE, a football championship organized by Birla Institute of Technology and Science, Goa campus.

College kabbadi team stood Third in the Kabbadi championship (2017-2018) organized by the University of Delhi.

Vaibhav Mehlawat won Bronze medal in Junior National Championship in Judo and Bronze medal in Inter university Judo Championship.

Yash Tokas won Silver medal and Pawan Kumar won Bronze medal in Inter-university Boxing Championship.

## Publication

- Kumar, B. (2017) Authored a book titled *Pathkathatatha Samvaadlekhan*, Shri Natrajan publications.
- Kumar, P. (2017) Authored a book *Buddhist learning in South Asia*, Lexington Books, New York, USA.
- Sharan, P. (2017) Pre-service and In-service Training of Teachers of English in India: A Challenge. *Literary Forum*, 43
- Singh, V. (2017) 'Rangbhumi: Purnpathki Awashyktha', *Sodh-Drishthi*.
- Suman (2018) *Sodh-Pravriti*, Natraj Publication.
- Suman. (2017) Mahadevi Verma Key Kavyamei Bimbhaur Prateek, *Vidyawarta International Research Journal*.

## Seminars organized

- Department of English organized a lecture on "The Revolt of 1857 and the anti-colonial struggle in India" by Prof. Amar Farooqi, Department of History, University of Delhi was organized on 27<sup>th</sup> March 2018.
- Department of English organized a lecture, "A Presentation on Drama as Mimetic Art" by Prof. Shyama Prasad Ganguly, JNU.
- A lecture, "Advertising and Media Communication Skills" by Dr. Manaswini M. Yogi (Director, Delhi School of Journalism)
- Two-day UGC-sponsored national seminar on "Tribal Folk Dances of India: Contextualizing Art and Culture" was organized by the Department of English from 24-25 August 2017.
- The Department of Hindi in collaboration with 'Lekhawat Sanstha' organized a poetry conference on 2 February 2018 in which renowned Hindi poets, Dr. Anamika, Dr. Narendra Pundrik, Mr. Diwik Ramesh, Mr. Mithilesh Shrivastava and Mr. Manglesh Dabral recited their poems.

## Placement Details

Through the placement drive organized by the committee at least 20 students got internships in various companies.

## Extension and Outreach Activities

The Gender Champion society of the college organized an inter-college poster making competition on the *me too* movement on 3-4 April 2018. The North-East society of the college organized a workshop on "Ethnic Relations: Opportunities & Challenges in the discourse of North East" on 11th April 2017 chaired by Dr. Alana Gonmei. Department of Economics organized a college debate on the topic "Demonetization: It's impact on Indian Economy" held on 22nd September 2018.

## Seminar/ Conference Presentations

- Pradip Sharan presented a paper, "The use of Technology in the Teaching of Speaking Skills in India" at an international conference organized by English Language Teachers Association (ELTA) at St. Teresa College, Cochin, Kerala held from 29 June to 1 July, 2017.
- Suman presented a research paper, 'Fake News aur Uska Samajik Prabhav' at ICAN in international conference held on 10 March 2018.
- Azharuddin presented a paper, "Problems of Constructing Muslim Identity: Analyzing Racial and Moral discourse in two Post-9/11 Novels" at an international conference organized by Center for Advanced Studies, Jadavpur University, Kolkata.
- Vidyashankar Singh presented a research paper, 'Jaishankar Prasad Ke Natak: Itihas aur Vartamaan' at a national conference jointly organized by 'Mahakavi Jaishankar Prasad Foundation' and Hansraj College, University of Delhi.
- G.N. Trivedi, invited as a guest to speak on the issue of "Democratic Transition in India" organized by Developing Countries Research Centre (DCRC), University of Delhi held on 12 March 2018.
- Priyanka Panwar presented a research paper, "Locating 'The Room on the Roof' in Ruskin Bond's literary landscape" at a conference organized by the Central University, Himachal Pradesh.
- Anjali Aggarwal presented a research paper, "Adoption of Ethanol as Biofuel in India: Economic and Environmental concerns" in the national conference organized by Zakir Husain Delhi College (Evening), University of Delhi.

**Faculty Strength**

Total number of Permanent faculty = 36

Total number of Ad-Hoc faculty = 42

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**NEHRU HOMEOPATHIC MEDICAL COLLEGE & HOSPITAL****Major Activities and Achievements**

New built guard room of college premises, new constructed marbles floor at entry gate of this institution. The renovation of two rooms for Head of Office and Medical Superintendent is completed.

**Research Projects**

Lifestyle Disorders –Monday

Skin and Psoriasis –Tuesday

Respiratory Disease/Asthma –Tuesday

Psychiatric Disorders –Wednesday

Fibroid/PCOD/Fibroadenoma Breast –Wednesday

Vitiligo –Thursday

Renal Stones/Gallstones –Friday

Children Disease – Friday

Disease for Old Age –Saturday

Rheumatoid Arthritis – Saturday

Osteoarthritis – Saturday

**Seminars Organized**

Kent Memorial Lectures on 16 and 17 September, 2017.

**Library Development**

Internet and photocopy facilities available

**Faculty Strength**

Total number of Permanent faculty = 25

Total number of Guest Faculty = 6

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**P G D A V COLLEGE****Pannalal Girdharilal Dayanand Anglo Vedic College****Major activities and achievement**

PGDAV College is guided by the DAV ethos combined with rigorous pedagogy preparing the students to be ethical leaders in a diverse and complex world. The college provides multicultural and vibrant space for the intellectual, aesthetic, cultural, humanistic, and athletic growth of the students. The College focuses on nurturing young minds with the ideals of composite Indian culture with the thrust on education as umbilical link between tradition and modernity. The college has been training and empowering the youth of India, equipping them with creative and critical thinking so that they develop their faculties of discovering, exploring, learning, and growing. For achieving all of this the college has well developed academic blocks, up-to-date and sophisticated labs international standard sports facilities, auditorium, conference rooms, smart class rooms, clubs, so on and so forth. With such state of the art soft and hard infrastructure the college ensures that all the stakeholders enjoy intellectually engaging and fulfilling experience in an all rounded manner.

### **Honours /Distinctions**

Geeta Gupta and Ms. Aparna Datt were awarded Ph.D. degree (University of Delhi).

### **Students with Distinctions**

Kalpna, B.Sc (H) Statistics secured first position in the college with 92.37% marks.

ShreneeShrivastava, B.Tech Computer Science secured first position in the college with 90.30 marks.

Anmol Titoria, B.Com(H) secured first position in the college with 88.11% marks.

### **Publications**

Kaur, D., Goldar, A. (2017) Relationship between Inwards FDI & Exports: Indian Telecommunication Sector. In O.S. Deol (Eds), *Global Trade in services: A WTO perspective*, New Delhi, ND: Atlantic (233-247).

Kaur, D., Saini, M. (2017) Relationship between Inward FDI & research & development: A case of Indian Economy, *Journal of Business Studies*, Bhagat Singh College, 9, 57-66.

Mahajan, A., Chand, P. (2017) Understanding the Governance of NITI Aayog (With reference to its recommendation for GM-Technology): *Pacific Business Review International*, 10 (3), 155-160.

Mahajan, A., Chand, P. (2017) Anomaly of Foreign Exchange Rate, *Economic and Political Weekly*, 52,(29), 21-24.

Mondal, S., Pant, M. (2018)“Firm Capabilities and Productivity Spillovers from FDI: Evidence from Indian Manufacturing Firms” in Siddharthan, N, Narayanan, K (ed.) *Globalisation of Technology*.Springer, Singapore.

Saini, M., Kaur, D. (2018) Relationship between foreign portfolio investment & sensx: A case of Indian economy. *NAIMS journal of Management*, 13 (1), 15-22.

Varun, Archana, Jha, M.K. (2017) Some New Three-Level Second Order Response Surface Designs, *Model Assisted Statistics and Applications*, 12, 55-61.

Varun, Bhushan, Sonam (2018) The Need of Fintech In The Indian Microfinance Sector, *International Journal of Research in Economics and Social Sciences*, 8 (3), 215-222.

Varun, Bhushan, Sonam (2018) Role of Education and Employment in India's Demographic Dividend, *International Journal of Research in Economics and Social Sciences*, 8 (3), 207-214.

Vashisth, P. Khurana, P., Bedi, P. (2017) A fuzzy hybrid recommender system, *Journal of Intelligent & Fuzzy Systems* 32, 3945–3960.

### **Journals**

Published by the College -Journal of Contemporary Indian Polity and Economy (JOCIPE)

Number of college teachers serving as Editor(s)/Member(s) of Editorial Board 01

### **Research Projects**

Dr. Ashwani Mahajan, Dr. Phool Chand (2017),project funded by ICSSR, “India China Trade Deficit: Causes, Effects and Solutions” for Rs 650000.

Dr. Gopal Datt, project funded by UGC (2016), “Operators on Function Spaces” for Rs 260000.

Dr. Girdhar Gopal, project funded by UGC (2018), “Brahampuram Mein Sansidh Rishi, Teerath Evam Parvon Ka Shastriya That VyavaharikAdhyayan” for Rs 204000.

### **Seminar Organised**

Seminar, 'Business Analytics',delievered by Prof. Nitin Sachdeva, IMT Ghaziabad on September 18, 2017.

Seminar, 'What after graduation',delievered byProf. Shagun Arora of NDIM, Delhi on Jan 8, 2018.

Seminar,byDr. Meenakshi Jain (Member of ICHR), March 21, 2018.

National Seminar on 'The Need for Physical Education in Improving the Performance of Indian Sports persons in Olympics & other National / International Tournaments' was organized by Department of Physical Education on 07-08 November 2017

Seminar,'How to prepare for IAS'delievered by Mr. Alok Kumar who is an IAS Trainer from Delhi on 11 December, 2017.

### **Seminar/ Conference Presentations**

Dippinder Kaur presented a paper, 'Indian economic transformation through revival of manufacturing sector & start-up ecosystem', in International conference, New Delhi, 2017, Ramanujan College

Sakshi Verma presented a paper.'Gender Inequality in Sport: A student's Perspective' in the national seminar held by department of Physical Education, PGDAV College on 7 to8 November 2017.

Monika Saini presented a paper,'Relationship between Foreign Portfolio Investment and Sensex: A case of Indian Economy', at International Conference on "Indian Economic transformation through revival of manufacturing sector and start-up ecosystem", Ramanujan College, New Delhi during 2017.

### **Placement Details**

120 students have been placed in high standing corporate institutions such as: EY- GDS, Willis Towers Watson, Wipro, FIS Global, InShorts, PwC, Alight Solutions, Tommy Hilfiger, British Telecom, Royal Bank of Scotland amongst others with job profiles like actuarial analyst, assurance associate, content proof reader etc. EY-GDS recruited 24 students. 45 students were placed with RBS and 10 students were placed with FIS Global. One of the leading companies in the technology world, Wipro hired 25 students in the month of February.

### **Library Development**

The College Library is well stocked with collection of around 1 lakh books, 4500 bound journals and 70 periodicals covering various subjects and disciplines. Apart from the print resources library facilitates access to various electronic resources through Delhi University Library System on the campus network and N-List e-resources. The Library is automated and has a well-furnished and air conditioned reading hall for its readers.

### **Faculty Strength**

Total number of permanent faculty =108

Total number of Ad-Hoc faculty = 53

### **Financial allocations and utilization**

Grants Sanctioned Rs.51,32,99,362/-

Utilized Rs.31,80,68,694/-

### **Other significant information**

PGDAV College now is a name to reckon with across arts, humanities, commerce, social sciences, and computer science streams. It has the coveted NAAC grading. The society, including the recruiters, have acknowledged the quality of education, facilities, social responsibility, inclusiveness, and high rating for employability here Internal Quality Assurance Cell (IQAC) is a statutorily constituted body of PGDAV College. Since its inception it is actively pursuing quality development, improvement, and sustenance goals in academic, administrative, and financial realms so as to deliver excellence in all its endeavors. In this background, IQAC has been internalized as an integral part of the institution's systems and processes. The prime task of the IQAC is to develop a robust and sustainable system for conscious, consistent, and catalytic build up of the all round performance of the College.

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## **P.G.D.A.V. COLLEGE (EVENING)**

### **Major activities and achievements**

PGDAV College (Eve.) was established in the year 1957-58 to cater to the needs of working professionals. The college communicates its vision to the stakeholders – students, teachers and staff – through various committees, programmes and activities. There are a number of committees to promote environmental awareness, gender sensitivity and literary, artistic and creative self- expression among students. The strength of the institution is its qualified and committed faculty, industrious administrative staff, state of the art infrastructure, well equipped college library with INFLIBNET facility, high speed Wi-Fi internet access

24/7, availability of computers in a student ratio of 1:2, Centralized Computing Facility, facilities for scanning, printing and copying, Lift for the differently abled students and staff, good academic ambience and the enthusiastic students. NSS Unit of the college carried out many activities like campus clean drive, road safety program, Tree plantation drive, Celebration of NSS day etc. to name a few.

#### **Students with distinctions**

Sunita Sahoo, B.com, secured highest marks in the college

Sujeet Kumar, B.Sc. (Hons.) Math secured highest marks in the college

#### **Publication**

Sethi, P.K. (2017) Yoga and Healthy Aging

#### **Journal Published by the college: One**

Inter discipline Academic Journal “Bodhayan”

Number of college teachers serving as Editor(s)/ 10

#### **Placement details**

Number of students getting successful placements: 160

Number of Companies/Industries coming for campus recruitment 05

#### **Extension and Outreach work**

Number of camps organized in the surrounding areas: one Tracking Camp in Ram Nagar

Number of people enrolled/covered in the camps 25

Number of students who worked in the camps 25

Total number of hours dedicated to these camps 4 days

Two days Cleanliness Drive was organized by the NSS unit on 5-6 August, 2017. On 10<sup>th</sup> August NSS unit conducted new India pledge program. 5 days program on road safety was conducted in HERO Moto Corp, Azadpur, Delhi. A one day donation box center was put up for collecting unused clothes, stationary and E-waste such as broken charges CD's etc. we made a huge collection of all three things. The collected clothes and stationary were distributed in slum areas.

#### **Library Development**

Total Budget: Rs. 6,07,000/-

No. of Books added: 861

Number of National journals subscribed: 63 (online + paperback version)

#### **Number of faculty**

Total number of Permanent faculty = 40

Total number of Ad-Hoc faculty = 37

#### **Financial Allocation and Utilization**

Grant Sanction: Rs 27,67,36,000/-

Grant Utilized: Rs 17,73,29,614/-

### **PANDIT DEENDAYAL UPADHYAYA NATIONAL INSTITUTE FOR PERSONS WITH PHYSICAL DISABILITIES (DIVYANGJAN)**

#### **Major Activities and Achievement**

This Institute runs Bachelor of Physiotherapy (BPT), Bachelor of Occupational Therapy (BOT) and Bachelor of Prosthetics & Orthotics (BPO) courses under the financial control of Ministry of Social Justice and Empowerment, Government of India. The Institute had started Masters programme in Prosthetics & Orthotics from the current academic session 2017-18. Further we are in process of starting post graduate



courses in Physiotherapy and Occupational Therapy as well. PDUNIPPD (D) actively participated and assisted Ministry of Social Justice and Empowerment for successful conduction of National Award Ceremony to the differently able on 3rd December, 2017.

### **Honours/ Distinctions**

Mrs. Rajni Kalra, was invited as Chairperson in Symposium on life style disorder organised by Department of Physiotherapy, Dr. R.M.L. Hospital on September 15, 2017.

Sh.K.Ramprabhu, Asst. Prof. Department of Physiotherapy was invited as a conclave speaker on 18th February 2018 in the conference 'Sports Connect-Changing trends in Sports Physiotherapy'

### **Students with Distinctions**

Meghna Sharma II yr., Bachelor of Physiotherapy

Shivani Bhardwaj I yr, Bachelor of Physiotherapy

Rasho Gupta, Bachelor of Prosthetics & Orthotics

Sneha Uniyal , Bachelor of Prosthetics & Orthotics

### **Publications**

Arya, K.N., Shanta Pandian & Dharmendra Kumar (2017) Task-based Mirror Therapy Enhances Ipsilesional Motor Functions In Stroke: A Pilot Study. *Journal of Body work & Movement therapy*, 21(2):334-341.

Arya, K.N., Pandian S, Puri, V. (2017) Rehabilitation Methods for Reducing Shoulder Subluxation in Post-Stroke hemiparesis: A Systematic Review; V. 11:1-14. doi: 10.1080/10749357.2017.1383712 Topics in Stroke Rehabilitation:

Arya, K.N., Pandian S, Kumar (2017) Effect of activity-based mirror therapy on lower limb motor-recovery and gait in stroke: A randomised controlled trial. V. Neuropsychological Rehabilitation. 26:1-18. doi: 10.1080/09602011.2017.1377087.

Batra, M. (2017) "Functional Dynamic Eyelid Crutches for Modulating Visual Field Deficit in Third Nerve Palsy". *Indian J Occup Ther*, 49(3), 97-101.

Godiyal, A. K., Pandit, S., Vimal, A. K., Singh, U., Anand, S., Joshi, D. (2017) Locomotion mode classification using force myography. In Life Sciences Conference (LSC), IEEE (pp. 121-124).

Pandit, S., Godiyal, A. K., Vimal, A. K., Singh, U., Joshi, D., & Kalyanasundaram, D. (2018) An Affordable Insole-Sensor-Based Trans-Femoral Prosthesis for Normal Gait. *Sensors*, 18(3), 706.

Smita N, Prasanna L (2018) Passive Biomimetic Prosthesis. Chapter 5, PP: 69-82, ISBN: 978-953-51-3820-4. Retrived from: <http://dx.doi.org/10.5772/intechopen.72123>

### **Research Projects**

Dr. Kamal Narayan Arya, project funded by Indian council of Medical Research (2015-17), Role of long term task-based mirror therapy in inducing motor recovery in post stroke hemiparesis for Rs. 8.5 Lakhs.

Dr Meenakshi Batra, (2017), "Effect of different treatment modalities on lower extremity angular problems in children with rickets"

### **Seminar Organized**

Application of Research methods & Biostatistics (Level I) conducted by Department of Occupational Therapy on October 07, 2017.

### **Seminar/Conference Presentations**

Kamal Narayan Arya, Shanta Pandian presented a papet, "Ultrasonography-Based Management of the Shoulder Subluxation in Stroke: A Case Series in 55th Annual National Conference of All India Occupational Therapist Association, Nagpur ,16- 18 February 2018.

Meenakshi Batra presented a paper, 'Regulating developmental parameters in children with Rickets having Lower Extremity Angular Problems ' at Annual National Occupational Therapy Conference, Nagpur OTICON 2018 during 16 to 18 Feb. 2018.

Nayak S, Rawat R. presented a paper," Survey on Awareness of Government Acts, Policies and infrastructure available for persons with physical disabilities (Divyangjan)" in 24th National conference, OPAI held during Jan. 2018..

Behera T, Verma T. presented a paper. "A literature review on biomechanical analysis of trans tibial prosthesis.24th National conference, OPAI held in Jan. 2018.

Pandian G. presented a paper," An orthoprosthetics management : A comprehensive case study". 24th National conference, OPAI held during Jan. 2018.

Meenakshi Batra, presented a paper, ' Augmenting Levator Function using Eyelid Crutches in Third Nerve Palsy at ISCA 2018 Indian Science Congress held at Manipur, Imphal during 17 to 20 March 2018,)

### **National /International MoUs Signed**

#### **With Indian/Foreign Companies/Industry**

With ISRO towards designed and development of artificial knee joint and foot for Person with Physical Disabilities in collaboration with ISRO.

#### **Other Institutional Collaboration**

The Institute has renewed the collaboration with NSIT Dawrka, and MAMC Delhi for regular Engineering and Medical classes of its students.

#### **Placement Details**

Number of companies visited for campus recruitment 04

Number and percentage of students placed 92%

#### **Extension and Outreach Activities**

The Professionals and faculties were deputed to conduct rehabilitation camps for persons with disabilities (Locomotor) though its outreach activities and total 02 Nos of rehabilitation camp were conducted to distribute Prosthetic and Orthotics appliance to the Persons with Physical Disabilities across the country.

#### **Library Development**

Purchased 234 Professional Books and 14 Professional/Foreign Journals in the year 2017-18.The Library is providing Reference Services, Internet, Printout & Photocopy facility to its users as per Library rules

#### **Faculty Strength**

Total number of Permanent faculty = 35

Total number of Temporary / Guest Faculty=52

#### **Financial Allocation and Utilization**

Grant sanctioned: Rs.2610.00 Lakh

Grant Utilized : Rs.2597.96 Lakh

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### **RAJDHANI COLLEGE**

#### **Major activities and achievements**

The year 2017-18 was a fruitful year for the College in terms of progress and achievements. A Disaster Management Mock Drill was carried out in the College on October 31, 2017.The Tree Census Report after counting and identifying all the trees planted in the College premises was published by the concerned committee.Lectures, Workshops, talks and FDPs were organized. Chaitanya, the Debating Society organized its first National Debate Competition, Vichar Manthan with Mr Rahul Dev, Editor in Chief, CNEB. Triyambakam, the Theatre Group wonI prize for its play Jai Hind in Madari 18, a National level inter-College street play competition. A mock drill was conducted in the College by DDMA(West Zone) and Fire Fighting Department. An interactive session between Help the Blind Foundation(HTBF) and

visually impaired students was organized at the College. Twenty Seven VH students were selected for scholarship to meet their hostel, mess and living expenses.

### **Honours/ Distinctions**

Dr. Rajiv Ranjan Giri invited as a resource person to present lectures on 'Developing a Manuscript, Making Editorial Decisions and Proposals', 'Author-Editor Relationship', 'Managing Creative People' and 'Workshop on Editing and Copy-editing, Handling Different Genres' at Dr. Bhim Rao Ambedkar University, Agra organized in collaboration with National Book Trust, 21 February, 2018.

Dr. S. K. Dhaka from invited for a Talk on 'Role of Convective Sources in Shaping the Troposphere and Stratosphere' at the 15th International Workshop of Technical and Scientific Aspects of MST Radar, National Institute of Polar Research (NIPR), Tachikawa, Tokyo, Japan held from May 26 to 31, 2017.

Dr. Suman Kumar appointed as Visitor's Nominee to Banaras Hindu University Court, Varanasi, 2017-20. He is also a member of the National Monitoring Committee for Minority Education, Ministry of Human Resource Development, Government of India 2017-18.

Dr. Asheesh Kumar won second prize in All India Sanskrit short play writing competition organized by Delhi Sanskrit Academy, 18 April, 2017. He was also awarded Sanskrit Samarthak Samman by Delhi Sanskrit Academy, Delhi, 2018.

Dr. Ravindra K. Das was awarded Shreshth Anuvadak Samman by Pratilipi.Com, Delhi, 2018. He was also awarded Sanskrit Samarthak Samman by Delhi Sanskrit Academy, Delhi, 2018.

### **Students with Distinctions**

Pratibha, B.Sc. (H) Chemistry II year- Dr. N. K. Anand Memorial Prize

Saurabh Kumar Singh, B.Sc.(H) Physics III year- Dr. S. S. Rao Memorial Prize

Divya Gautam, B.A. (H) Hindi III year- Ma Murti Devi Smriti Puraskar

Poonam Sharma, B.A. (H) Hindi I year- Shri Shiv Nandan Sharma Memorial Prize

Vineet Goyal, B.Com.(H) I year and Sandeep Kr. Girdhar, B.Com (H) II year- Shri Sultan Chand & Co. Memorial Scholarship

### **Sports**

Sachin Kumar, B.A (Prog.) III year won two Gold Medals in 10000m run and bagged two Silver Medals in Cross Country Race 12km, 21km Marathon Race and one Gold Medal in 10000m.

Pradeep Yadav, B.A. (Prog.) III year secured two Silver Medals in Long Jump and Triple Jump event and also grabbed two Silver Medals in Delhi State Senior Athletics Championship in Triple and Long Jump Event.

Trayambakam, the Dramatics Society won the First Position for its play Jai Hind that highlighted the bravery and valour of Indian Army in Madari 18 a National Level Inter-College Street Play Competition organized by Rashtriya Kala Manch at Arts Faculty, University of Delhi.

Rinki Sharma, B.A. (Hons) History III year and Ruby Kumari, BA (Prog) II year were selected for Marga Schulze Merit Scholarship (Germany).

### **Publications (selected)**

Das, K.R. (2018) Satta-mimamsa evam Gyan-mimamsa. Delhi, Delhi: Granth Bharti Prakashan.

Choudhary, P. (2017) Maharajganj Janpad Kay Puratatva Ka Ek Adhyayan. *International Journal of Applied Research*, 3(7).

Dhaka, S.K. (2017) Impact of Inter-seasonal Solar Variability on the Association of Lower Troposphere and Cold Point Tropopause in the Tropics: Observations using RO Data from COSMIC. *Atmospheric Research*, 198.

Garg, P. K., Kumar A. (2017) Duality Results for a Second-order Multi-objective Fractional Programming Problem with Generalized Convexity. *International Journal of Mathematics in Operational Research*, 11(4).

Giri, R. R. (2017) Nau Jagran Kaleen Gadya Sahitya: Ek Punarvichar. *Anusheelan*, 36.

Payal, R. (2017) Waste to Wealth Approach: Removing Toxic Heavy Metals and Organic Dyes from Waste Water using Agricultural Waste. *International Journal of Chemical, Environmental and Biological Sciences*, 5(1), 46-49.

Sethi, R. (2017) Mapping Gendered Geographies: Reading Women in Literature. *Studies in Humanities and Social Sciences*, Vol. XXII (1).

Shahare, V.V. (2018) Environmental Impacts of Synthetic Pesticides and Deployment of Bio-pesticides towards Sustainable Development. *Sustainability: For a Better Tomorrow*, Vol. II.

Sharma, R. D., Gupta A. (2017) A Study of Function Space Topologies for Multifunctions. *Applied General Topology*, 18( 2).

Verma, M. (2017) *Abhinav Hindi Ekanki*. Delhi, Delhi: Tarun Publication.

### **Research Projects**

Dr Pawan Kumar, project funded by Science & Engineering Research Board, (2016-19), Development of Phosphinous acid Functionalized PNP Pincer Ligands: Study of Non-Innocent behavior with Group Eight Metal Complexes and Catalytic Applications, for Rs.3374000/-

Dr Sunil Bab, project funded by ICSSR, (2018), A Comparative Study of Poverty amongst Scheduled Caste in Haryana since 1990s, for Rs.400000/-

### **Seminars /Workshops Organized**

Two-day National Seminar on Mass Movement and Indian Literature: With Special Reference to Hindi and Sindhi in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Government of India on 8 to 9 February 2018.

Two day National Seminar on The Changing Cultural Narratives of Delhi through the Ages was organized by History Department in collaboration with Indian Council of Historical Research (ICHR) organized on 19 to 20 March 2018.

One-day National Seminar on 'Mapping Spaces, Crossing Borders: (De)constructing World Literatures' on 21 March, 2018.

A Two Day Workshop on Media was organized on 16-17 January 2018. Mr. Sanjay Nandan, ABP News spoke about 'Reporting and Writing in Media', and demonstrated it through practical exercises.

### **Seminar/ Conference Presentations**

Shikha Kaushik presented a paper, 'Sequence Specific Structural Polymorphism Exhibited by a DNA Sequence Containing Human c-jun Protooncogene Target' in International Conference on "Advances in Analytical Sciences (ICAAS)" at CSIR-IIP Dehradun organized by Indian Society of Analytical Scientists (ISAS-DC) and CSIR-IIP, Dehradun, held during 15-17 March 2018.

Ritu Payal presented a paper, 'Estimation of Sun Protection Factor (SPF) by Using Uv-Visible Spectrophotometer for Cosmetic Formulations' at the National Seminar held at Kalindi College, 2017.

V.M. Shukla presented a paper, 'Ek Agnikaand Jagahen Badalta (A Fire Tragedy Shifting Places):' Reading Partition in Narendra Mohan's Long Poem' in the National Seminar on Decoding the Partition Languages: Reflections on Language, Literature, and Culture organized by Kirori Mal College in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Govt. of India at Kirori Mal College, University of Delhi, during 6 to 7 February 2018.

Satyanand Kumar, presented a Poster in an International Conference on Emerging Trends in Drugs Development and Natural-Products (ETDDNP-2018) organized by Department of Chemistry, University of Delhi held during 12 to 14 January 2018.

Sachida Nand Jha presented a paper, 'Revisiting Globalization: Rethinking Indian Postcolonial' at Postcolonial Studies Conference, University of London, held during 18 to 20 September 2017.

Suman Kumar presented a paper, 'Political Ideology of Integral Humanism' in the ICSSR sponsored National Conference on Integral Humanism: A Vision and Mission organized by the Department of Political Science, Maharaja Agrasen College, University of Delhi during 5 to 6 January, 2018.

Sasmita Mohanty presented a paper, 'Traditional Practices and Democratic Aspirations: Khap Panchayats, Women and Human Rights in India' in the National Seminar on "Human Rights in 21st Century India:

Emerging Issues & Challenges", organized by Motilal Nehru College (Evening), University of Delhi, sponsored by the Indian Council of Social Science Research (ICSSR) held during 29 to 30 March, 2017.

Asheesh Kumar presented a paper, 'Linguistic Affiliation: Exploring Nomenclature of Relationships in Russian and Sanskrit' in the National Conference organized by Department of Sanskrit and Research Committee, Satyawati College, University of Delhi held during 19 to 20 April 2017.

### **Placement details**

Number of Students: 16

Number of Companies visited for campus recruitment: 7

### **Extension and Outreach work**

Chaitanya, the Debating Society organized several Open Sessions in addition to National Debate Competition. The Women Development Cell (WDC) organized several events like Self-Defence Programme, Yoga Training Camp and WDC Fest that helped create gender sensitization. The NCC cadets apart from routine were also involved in various extension activities and community service programmes like 'Swacha Bharat Abhiyan' and 'Yuva Bharat Naya Bharat' programme. NSS volunteers participated in various activities like campus cleaning, Rally for Rivers, and spent Valentine's Day with slum children, spreading cheer among them. NCC (boys) cadets participated in Republic Day Camp-2018, Trekking Camp held in Amarkantak, Puri (Odisha), Calicut etc. NSS (Girls) unit was active throughout the year with programmes like College Campus Cleaning, Slum Area Development, Social Work, Personality Development Programme, Swachhta Pakhwada, Tree Plantation and Disaster Management Workshop in addition to participation in trekking camps to various places.

### **Library Development**

College library has more than 1.25 lakh scholarly books on various subjects and has subscription of 33 newspapers and around 55 magazines and journals. It is also a member of N-List program of UGC INFONET, through which the users of the library can access 6000+ e-journals and 31,35,000+ e-books with remote login facility. An exclusive reading corner has been introduced for differently abled students and teaching staff, where internet enabled high speed computers with scanner and printer have been installed.

### **Faculty Strength**

Total number of Permanent faculty = 92

Total number of Ad hoc faculty = 72

### **Financial Allocation and Utilizations**

Grant sanctioned: Rs54,04,85,000/-

Grant Utilized: Rs31,61,10,698/-

### **Other significant information**

Personal Contact Program (PCP) for the Girl students of B.Com (Pass) and B.A. (Prog.) 1st and 2nd Year for School of Open Learning (SOL) were conducted from 02.12.2017 to 29.04.2018 through SOL centre of the college. English Speaking Classes were organized in the College for the students of Non Collegiate Women Educational Board. The College is initiating National and International collaboration with Universities and there is a hope to have strong bonding with these institutions which will be very useful for faculty as well as students.

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## **RAJKUMARI AMRIT KAUR COLLEGE OF NURSING**

### **Major activities and achievements**

Raj kumari Amrit Kaur College of Nursing was established 71 years ago with the objective to develop modal programs in nursing activities. The College offer four regular programs e B.Sc (Hons) Nursing, Master of nursing, M Phil and PhD in Nursing. Beside this , college conducts short term continuing education courses. The institution work in close Association with Ministry of Health and Family welfare and various hospitals, health centres and allied agencies. College has a Rural Teaching center, established in

1950 for the purpose of providing objective oriented rural community health experience . The emphasis is on MCH services including family planning, immunization, family welfare services students participate in national health programs like , Malaria control, Dengue Control , AIDS Control revised national tuberculosis control, pulse polio program etc. College has an active unit of student nurse association where students participate of various state and national level competitions. Regular sports classes are also held for students by external sports faculty.

### **Publications**

Goyal, H. (2018) Assessment of perceived self-efficacy of Nurses to function as a Nurse Practitioner. *International Journal of current Research and Academic Review*. 6.

Goyal, H. (2018) Experimental study to evaluate the effectiveness of chewing gum on gastro intestinal motility in terms of return of bowel sounds passage of flatus, tolerance of oral feeds and passage of stool after abdominal surgery among adult patient in selected hospital of Delhi. *International Journal of Scientific Research*.6, (5).

### **Research Projects**

A study to Develop and Evaluate the effectiveness of structured Teaching Programme on strategies of communication competence while Delivering health care services among Nursing officers in terms of Knowledge, Attitude and Practice in Deen Dayal Upadhyay Hospital New Delhi.

A study to assess the effectiveness of an educational package on self-monitoring of blood glucose levels and self-administration of insulin in terms of knowledge and practice in children with Diabetes mellitus in selected hospital of Uttarakhand.

A study to determine the prevalence and factors associated with refractive errors, and to evaluate the effectiveness of educational package on management of refractive errors in level of knowledge and practice among school children (12-15 years) of selected private school of urban area of Delhi.

A study to develop and assess effectiveness of self-instructional module on rehabilitation after special cord injury in terms of knowledge and expressed practice amongst patients and care givers of patients admitted in selected hospital of New Delhi.

A study to evaluate the effectiveness of selected Nursing interventions in terms of physiological parameters and selected post operative outcomes among patients undergoing abdominal surgery in selected hospital of Delhi.

### **Conference organized**

Emerging Innovation in Nursing and its impact on quality patient care, 19-23 Feb, 2018.

Beyond bedside – the changing role of today’s nurse, 19 – 23 March, 2018.

### **Presentation**

Sarita Shokhanda , Robotic Nursing, 22.Feb., 2018

Madhumita Dey,Digitalization in Nursing, Feb 23, 2018

Madhumita Dey,Role of infection control Nurse, 22 March, 2018

Mitali Biswas, Burn out Syndrome, 8 Oct., 2017

### **Extension and Outreach Activities**

The Rural Teaching Centre was established in 1950 for the purpose of providing objective oriented rural community health experience to the students. It covers population of Approx, 23,000 and is situated 35 kms away from the college. The centre provides an integrated comprehensive health and family welfare service to the community. Special emphasis is given on MCH services, family planning, immunization, family welfare services, nutrition, adolescent girl’s health and health education programme by the students and staff of rural unit in collaboration with the staff of RHTC, Najafgarh. Staff and students also participated in National Health Programmes like Malaria control programme, Dengue control programme, Revised National Tuberculosis control programme, AIDS control programme, Diarrhea Disease control and Intensified Pulse Polio programme etc. The centre also has DOTS and Microscopic Centre for screening and treatment of T.B. & MDR TB patients RFTC Chhawla is also a ‘Team Movement Point’ for National Pulse Polio Programme covering 10 villages.

## Library

The College Library has total 20381 Books.

Number of books purchased during the year	-	206
Foreign Journals	-	18
ii) Indian Journals	-	18
iii) Newspapers	-	06
iv) Magazines	-	07

The total expenditure on books and journals during the period was Rs. 14,39,047/-.

## Faculty Strength - 33

### Financial Allocation and Utilization

Budget Estimate sanction from MoHFW: Rs. 11,66,00,000/-

Grant Utilized: Rs. 11,58,00,000/-

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## RAMANUJAN COLLEGE

### Major Activities and Achievements

Ramanujan College has been ranked 26th on All India Basis in the College's category in the National Institute Ranking Framework (NIRF 2018). There has been a construction of the new independent building of the college with state of art class-rooms, laboratories, staff rooms, and a medium sized indoor auditorium. The new building is supported by a gigantic service centre with provision of a sewage treatment plant, solar panels, water harvesting plant, electric sub-station and power generators. The proposal for setting up of the Teaching Learning Centre at Ramanujan College, University of Delhi has been approved. Ramanujan College is the second college of the University of Delhi to be awarded the Teaching Learning Centre (TLC), the most sought-after scheme of the MHRD. The vision of TLC is to provide young teachers with the tools for their development as effective and efficient teachers who are responsive to the needs of the learners in both local and global contexts.

### Honours/ Distinctions

Dr. S. P. Aggarwal visited two Institutions as a NAAC Peer Team Member or Member Coordinator.

Dr. S.P. Aggarwal and Dr. Anshika Agarwal received the "Best paper Award" at the International Management Conference on "A Dynamic Shift of 4G-Good Governance and Global Growth" organised by GLA University, Mathura in 2017.

Dr. Nikhil Rajput was the Program Chair of International Conference on Information Technology and Knowledge Management (ICITKM-2017) held at Shaheed Sukhdev College of Business Studies in December 2017.

Under the guidance of Dr S.P. Aggarwal, Ms. Anshika Agarwal has been awarded Ph.D. degree by the Department of Commerce, Delhi School of Economics, University of Delhi in November 2017.

Dr. S. P. Aggarwal was the Chairperson at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in January 2018.

Dr. Anshika Agarwal Received the "Best Thesis" Award at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in 2018.

Dr. Vibhash Kumar won the Best Paper Presentation Award in the "3 International Research Conference on Entrepreneurship & Sustainability: A Skill India Perspective" organized by International Association of Research & Development Organization on 16 July 2017 at Indian Federation of United Nations Associations, Delhi.

Nazrul Islam Azmi, college librarian completed his Ph. D. from the Department of Library and Information, Nagpur University.

Dr. Dharmendra Kumar Yadav was shortlisted for Post-Doctoral Fellowship-2017 of International Institute for Population Sciences (IIPS), Mumbai .

The Bihar Urdu Academy awarded Dr. Z. A. Abbasi (AO Administration) for his book "Sahir Ludhianvi Shakhshiyat Aur Fun - 2015". He earlier also received the award for this book from Delhi and Uttar Pradesh Urdu Academy.

### **Students with Distinctions**

Ojasva Divyashish, B.Sc. (H) Mathematics, 1 year scored highest marks in the college with CGPA of 9.45.

Sukreet Luthra , B.Sc. (H) Statistics, 1 year scored highest marks in the college with CGPA of 9.18

Saumya Shukla, BA Programme, II year scored highest marks in the college with CGPA of 8.91.

Jatin Bansal ,B.Com. (H), 2nd year scored highest marks in the college with CGPA of 8.79.

Pankaj UpadhyayB.Tech. Computer Science, IVyear secured highest marks in the college.

A BMS II Year, was selected to represent India at an International level at the World Festival of Youth and Students held in Sochi, Russia in October 2017.

### **Sports**

Tushar Chibber won the silver medal in North zone athletics meet held at Punjab in triple jump.

Ankita Kumari won Bronze medal in Delhi state athletics meet 3000 mts.

Pinku won Bronze place in Senior Rajasthan State championship in Power Lifting.

Mohd. Iqbal won Gold medal in Kurash Junior National held in Gujarat.

Mominur won Bronze medal in Taekwondo federation India state championship.

### **Publications**

Ahuja, O.P., Nagpal, S., Ravichandran, V. (2017) A Technique of Constructing Planar Harmonic Mappings and their Properties. *Kodai Mathematical Journal*, 40(2), 278–288.

Aggarwal, S.P., Agarwal, A. (2017) Interest Rates and Stock Market in Indian Context: An Analysis. *Pacific Business Review International*, 10(1).

Gunasekaran, V. (2017) Green Revolutions in India: Science, Agriculture, and Politics. *The International Journal of Interdisciplinary Civic and Political Studies*, 12(2), 27-37.

Kumar, A. (2017) Impact of Financial Crisis on Relationship between Aggregate Stock Returns and Macroeconomic Factors in BRICS Stock Markets. *Journal of Economic Policy and Research*, 12(1), 2-18.

Kumar, V. (2017) Student engagement: A Study of Ramanujan College. *Ramanujan International Journal of Business and Research*, 2, 1-20.

Misra, S., Yadav, D. K., Dipika, A., Shukla, K. (2018) On Estimation of Population Coefficient of Variation in Presence of Measurement Errors. *International Journal of Mathematics Trends and Technology (IJMTT)*, 51(4), 301-311.

Pathak, S., Sajjan, S.K. (2017) Women in Indian Politics: The Debate over Political Representation. *Universal Review*, 3(1).

Rathi, V.K., Pathak, S., Ankur (2017) Internet of Things: Architecture, Applications and Future Challenges. *International Journal of Enhanced Research in Science Technology & Engineering (IJERSTE)*, 6(4), 87-91.

Sharma, U., Yadav P. (2017) Understanding gender identity at workplace for professional occupations. *INSPIRA- Journal of Modern Management & Entrepreneurship*, 7(3), 59-66.

Singh, A. (2017) Impact of Macroeconomic variables on Indian Stock Market. *International journal of Economics and Management Studies (SSRG-IJEMS)*, 4(5), 65-72.

### **Journals Published by the College: Two**

Ramanujan International Journal of Business and Research”

‘International Journal of Applied Ethics’



**Number of college teachers serving as Editor(s)/Member(s) of Editorial Board: 10**

### **Research Projects**

Star Innovation projects scheme of University of Delhi Total sanctioned budget for Rs. 87,50,000

A Study of Lifestyle and Health (physical and mental) related problems among adolescents

Taking the work of Ramanujan to the next level: An innovation project in Cryptography

Robotics in Healthcare

Reliable data of real world for innovation

Socioevolution

### **Seminars/ Workshops/ FDP Organized**

One-day national level Faculty Development Programme (FDP) on Goods and Services Tax (GST) on October 27, 2017 in association with the Indian Accounting Association, NCR Chapter under Teaching Learning Centre, Ramanujan College.

A Faculty Development Program on 'Skilling Program for Teachers - Developing Transformational Skills' by Centre for Ethics and Values and Teaching Learning Centre, Ramanujan College was organized.

A seven-day Faculty Development Programme on "Skill based Teachers' Training in Information and Communications Technology (ICT), Intellectual Property Rights (IPR) and Research" to enhance the skill set of the teaching fraternity was organized under Teaching Learning Centre, Ramanujan College from 5th March to 11th March 2018.

A seven-day national workshop on "Human Rights and Environment" was organized from 14 to 20 March, 2018 by Centre for Human Rights Studies and Teaching Learning Centre, Ramanujan College. The thematically arranged workshop had forty-three participants from across the country.

A seminar on "Adolescents Lifestyle and Health" was organized by department of Applied Psychology on 20 September 2017.

### **Conferences Organized**

One-day conference on "Quality Assurance in Higher Education" was organized at the India International Centre, New Delhi on 26 February, 2018 by Internal Quality Assurance Cell (IQAC) of the College.

An International Conference on "Indian Economic Transformation through the Revival of Manufacturing Sector and Start-up Ecosystem" was organized by the Department of Commerce at North Campus, University of Delhi on 21st-22nd September 2017.

Two-day UGC Sponsored National Conference in association with the Teaching Learning Centre on "Leadership in Organizations: Contemporary Concerns and Key Developments" was organized on 22nd–23rd March 2018.

Conclave of Ethicists and Educationists on the 'Role of Universal Ethics in Higher Education Teaching' was organized by Centre for Ethics and Values at India Habitat Centre, New Delhi in collaboration with Cultural Centre of H.H. the Dalai Lama, Tibet House on April 21, 2017.

### **Seminar/Conference Presentations**

Aakanksha Bhatia presented a paper, 'Unheard voices of community workers: a study of social inclusion & exclusion' at the National Conference on "Psychological Applications and Interventions: Reaching Out and Making a Difference" organized by the Department of Psychology, Daulat Ram College, University of Delhi, on 19 January, 2018.

S.P. Aggarwal, presented a paper presented a Paper in 'Best Paper Session' at the 9 International Conference on "Measure, Manage & Facilitate Change to Harness Organizational Potential" organised by Prestige Institute of Management, Gwalior in collaboration with Indian Economic Association in 2018.

Anshika Agarwal presented a paper, 'Governance in Earnings: A New Perspective' at the International Management Conference on "A Dynamic Shift of 4G-Good Governance and Global Growth" organized by GLA University, Mathura, 2017.

Rakesh Singh presented a paper, 'Sustainable Development Goals: New Initiative to achieve Good Governance in India's perspective' in an International Conference on "Dynamic Shift of 4G-Good Governance and Global Growth" organized by GLA University, Mathura during 15 to 16 December 2017.

Megha Agarwal presented a paper 'International Conference on Discrete Mathematics 2018 (ICDM 2018)' held in Periyar University, Salem, Tamil Nadu, India during 4 to 7 January 2018.

V. Gunasekaran presented a paper, 'Sustainability and Increasing the Yield of Crops: Agricultural Scientists, Farmers and the Knowledge Systems' at the International Conference on "Agriculture and Human Development in India: Indigenous Practices, Scientific Views and Sustainability", IIT, Guwahati, 8 to 9 September 2017.

Aparajita Mazumdar presented a paper, 'The Right to Food: An Elusive Grail', in the National Seminar on "Human Rights in 21st Century India: Emerging Issues and Challenges" organized by the Department of Political Science, Motilal Nehru College (Evening), University of Delhi, on 29 to 30 March 2017.

Dharmendra Kumar Yadav presented a paper 'An Improved Predictive Estimation Technique of Finite Population Mean using Coefficient of Kurtosis and Median of an Auxiliary Variable' at the 2nd International Conference on Recent Trends of Computing in Mathematics, Statistics and Information Sciences (RTCMSIT-2018), in association with Vijnana Parishad of India, held at Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi held during 9 to 11 March 2018.

Ashish Kumar Shukla presented a paper 'Estimation of population mean using auxiliary variable and known coefficient of variation under double sampling procedure' at the 3rd International Conference on "Advances in Management and Decision Sciences" organized by School of Management, Gautam Buddha University held during 30 to 31 December 2017.

Madhu Kaushik presented a paper "Hindi Cinema Samaj aur Sanskriti" in Two Days National Seminar organized by NCERT during 21 to 22 March 2018.

Dr. Vibhash Kumar conducted a session on "Ethical Dilemma in the Corporate World" as Resource Person in the Department of Management, JIMS Engineering Management Technical Campus, Greater Noida on 6 March 2018.

#### **National/ International MoUs Signed**

With the software company Tally for training students on TallyERP9.

with the NGO Rupantaran, under which the College has adopted two slum camps. Our students will provide teaching services to the children and women residing there, while Rupantaran will provide the infrastructural facilities.

With Pom Pom, a Waste Recycling

with Jaagruti, a Paper Recycling Company

With Digital Ocean, Indian Open Data Association, Juxta Smart Mandate Analytical Solutions Pvt. Ltd., Essentia SoftServ and Manacle Pvt. Ltd.

With EdCIL (India) Limited, a CPSE under MHRD, implementing partner for study in India.

#### **Other Inter-Institutional Collaboration**

The Centre for Human Rights Studies has concluded the Fifth Session of the UGC-Sponsored three-month Certificate Course and First Session of Diploma Course on Human Rights (August – March, 2017). A total of 40 students from various disciplines and colleges of the University of Delhi, Jamia Millia Islamia, IGNOU and DUSOL, along with professionals enrolled for the Course. The third batch of the three-month diploma course on International Financial Reporting Standards (IFRS) in association with the Indian Accounting Association (NCR Chapter) was initiated in January, 2018. The Department of Hindi in association with the KAUSHAL Kendra is running a certificate course in Mass Media studies. The Department of Management Studies organized a workshop on "Careers in Financial Markets" in collaboration with the Bombay Stock Exchange (BSE) Institute Ltd., along with a scholarship test for admission into BSE Institute's flagship Global Financial Markets Professional Course on 2 February 2018.

#### **Students under Exchange Programme**

As a part of the MoU signed between the University of Delhi and the Hakkido University, Japan, the Department of Political Science hosted, Ms. Mishatu Adachi from Hakkaido University, Japan, for the semester July – December 2017 as a part of a student exchange programme. She successfully completed her course with 70% marks.

**Placement Details**

Number of Students Placed: 285 students

Number of Companies visited for campus recruitment: 26 companies.

**Extension and Outreach Activities**

The Centre for Social Innovation has launched an initiative, “Pathshaala - Ek Kadam Saksharta Ki Ore” in July 2017 to provide support to underprivileged children from slums; to provide that missing link to their bright future. The centre has begun basic classes in Mathematics, English and Hindi. A one-day Outreach Programme was organized on 30 March 2017 by Department of English and Women Development Cell. Eco Club organized Outreach Programme of "Anti-Pollution Mask Distribution" among the auto drivers, nearby vendors and guards of the college on 13th November 2017 keeping in mind the rising levels of air pollution in the national capital in November 2017. It organized a Blood Donation, Eyes Checkup camp & A talk on Eyes care on 7 November 2017..

**Library Development**

1400 volumes of textbook, general and reference books have been added in Library, making the total collection to 4287 in disciplines of Social Sciences, Humanities, Mathematical Sciences and general subjects. Taken subscription for the session 2017-18 for e-books and e-journals through N-List and DELNET, which provides access right of more than lakhs of e-books and more than thousands of e-journals to the teacher and students of college. Mr. Nazrul Islam Azmi (librarian) , completed his Ph.D. from Department of Library and Information, Nagpur University on the topic “Study of Institutional Repositories of Delhi & NCR.”

**Faculty Strength**

Total number of faculty = 90

**Financial Allocation and Utilization**

Grant Sanctioned: Rs. 23.51 Crore

Grant Utilized: Rs. 14.71 Crore

**Other Significant Information**

The year long Diamond Jubilee celebrations kicked off with the College celebrating its Foundation Day on 22nd December, 2017 which was also the 130th birth anniversary of Srinivasa Ramanujan. Professor Dinesh Singh, the President of Ramanujan Mathematical Society and former Vice-Chancellor of University of Delhi graced the occasion as the Chief Guest. The highlight of the Foundation Day celebration was the 5th Ramanujan Memorial Lecture on “How Cancer gets Diagnosed Tomorrow: A Researcher's Perspective” which was delivered by Professor Shantanu Chowdhury, an eminent structural biologist at the Academy of Scientific and Innovative Research, CSIR-Institute of Genomics and Integrative Biology, New Delhi. Around 450 students successfully completed the Campus and off Campus internships like Decathlon Campus Internship, IDBI Federal Life Insurance Campus Internship, Outlook (Magazine) Group Campus Internship, Omron Healthcare Campus Internship, LAVA International Ltd. Off Campus Internship, Vcare All Solutions Pvt. Ltd. Campus Internship, New Era India Consultancy Pvt. Ltd. Internship, AglaSem Off-Campus Internship, IDBI Federal Off-Campus Internship and Vcare All Solutions Off-Campus Internship to name a few.

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**RAMJAS COLLEGE****Major Activities and Achievements**

Ramjas College is an eminent college of University of Delhi, Founded in 1917 by educationist-philanthropist Rai Kedar Nath. The College celebrated its Annual Day at the college Auditorium. Shri Manoj Sinha, Hon'ble Minister of State for communications and Minister of State for Railways, Government of India presided over the function as the Chief Guest along with Professor Yogesh K. Tyagi, Vice Chancellor, University of Delhi, who graced the occasion as the Guest of Honor. In this year 2017 four players of our college had position in National and All India Inter University Championship and 37 players secured positions in Inter College and State Championship and brought laurels for the college.

Physics and Zoology department has been given the status of “STAR DEPTT” by DBT (Department of Biotechnology) involved in enhancing the knowledge of students towards latest technology and recent development in the field of physics like Robotic, Drone designing, Laser and its application, Detection of Gravitational waves, Mathematical modelling of bacteria in human being.

### Students with Distinctions

Prince Kumar Singh, B.A. (H) Political Science received Principal’s Medal for Outstanding Specially Abled Student

Paras Batra, B.Com (P) received Rai Kedar Nath Gold medal for the best Student in Social Science at undergraduate level.

Ankit Gupta, B.Sc. (H) Botany received Rai Kedar Nath Gold Medal for The best Student of Science at undergraduate level.

Sanjay Sharma, M.A. Sanskrit received Prof. Amba Prasad Memorial Gold Medal for the best Post Graduate Student

Krishan Kumar Upadhyay, B.A. (H) History received Prof. Amba Prasad Memorial Gold Medal for the best Under Graduate Student in Humanities.

Kartik Saini, a final year student of philosophy was the best speaker at a philosophical event conducted at The Jaypee Institute of Technology.

### Publications

Agnihotri, K.P., Jha M. P., Dwivedi, K.K., and Bhat V., (2018) Isolation of Nucellin promoter from *Hordeum vulgare* and its characterization in *Arabidopsis thaliana*. *The International Journal of Plant Reproductive Biology* 10 (2):151-156.

Gupta, A. (2017) Redefining Private tutoring, *International Journal of Economics and business review*, 5(2): 5, 191-195.

Jha, N. A. and Kumar, V. (2017) Consequence of an abrupt light environment on daily behavioural pattern, cognitive performance and personality trait in the parent and future zebra finch generations, *Animal Behavior*, 132, 29-47.

Lal, S. (2018) Study of Polyploidy in onion root tips. Published in Practical protocols for undergraduate students, Sciences Protocol Manual, DBT Star College Scheme, Published by Department of Biotechnology, New Delhi, Ministry of Science and Technology Govt. of India,

Pathak, N., Prajneshu, M. Kumar, L., Ramlal, A. (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. *DU Journal of Undergraduate Research and Innovation*, 3(1), 50-56.

Rawat, C.D. (2018) Digital Education and its Impact on the Process of Teaching and Learning. Consortium for Educational Communication (An Inter-University Centre of University Grants Commission on Electronic Media) News. Vol. 19 No. 2; 3-5.

Sherif H. M., Lindberg, S., Jha P.M., Geilfus, C.M., Plieth, C., Mühling K. H. (2017) Calcium improves apoplastic-cytosolic ion homeostasis in salt-stressed *Vicia faba* leaves. *Functional Plant Biology*, 44, 515-524.

Singh B. K, Chandra J., Rajor H. K., Pinkee. (2017) Spectral, Kinetics of Thermal Decomposition and Computational Analysis of Bioactive Metal Complexes of 4 –Methoxy salicyl deoxime, *International Journal of Applied Chemistry* 13(2) 235-253.

Suresh Kumar *et al* (2017) Screening and identification of bacterial strains form milk industrial waste using 16s rRNA ribotyping, *European Journal of Biotechnology and Bioscience*, 2(5): 37-40.

Singh, S., Dutta, T., Sharma, M. (2017) PHYSICS, ISBN: 978-93-5192-070-0, Satya Prakashan, Delhi.

**Teachers serving as Editor(S)/Member(S) of Editorial Board = 04**

### Research Projects

Funding Agency: Department of Biotechnology (DBT), 2017 March - 2020, 3 years,

Title of Project: Star College Project

Amount sanctioned Non - Recurring grant: Rs. 10.00000. , Recurring Grant: 3 lakh per year for three years  
Total: 13 Lakh for the year 2017-2018.

Funding Agency: Department of Biotechnology (DBT), 2018 -2020, 2 years

Title of Project: "Remediation and Reclamation of Hexachlorocyclohexane (HCH) Dumpsite by using Microbial Bioremediation Technology",

Amount sanctioned: First year: Rs.10,43,168, Second year: Rs. 6,43,168, Total : 16,86,336.

### **Seminars Organized**

Vipul Rikhi, Indian poet, fiction writer, translator and singer, Learning from the Folk Oral Traditions of Kabir, 1 September, 2017.

Mr. Rajeev Malhotra, JINDAL School of Law and Public Policy, 'Macroeconomics Policies for Growth: India's experience since 1990, 19 September, 2017.

Mr. Sunil Jain, Financial Express, 'Was GST a better alternative to demonetization' on 20 September, 2107.

Dr ShibashishGiri (a Stem Cell specialist in research and therapy, Faculty and Head, Biomedical Centre, University of Leipzig, Germany) Talks on 'Stem Cells Product in Health Care' September 29, 2017.

Dr. Komal Manshani, Consultant, Max Hospital & Centre for child and adolescent well being, Mental Health issues in the youth.13 October, 2017.

AchinVanaik, Retd. Professor, Department of Political Science, Delhi University, The Rise of Global Authoritarianism' which focused upon the historical aspect of the issue and place it in the present context, 17 October, 2017.

Dr Shibashish Giri, A Stem Cell specialist in research and therapy, Faculty and Head, Biomedical Centre, University of Leipzig, Germany, Stem Cells Product in Health Care, 29 November, 2017.

Dr.AlokArun, Assistant Professor, Inter American University of Puerto Rico, Barranquitas, Puerto Rico, USA,Workshop on Scientific Writing & Oral Presentation, 18 January, 2018

Dr. Adarsh Sharma Former Director NIPCCID (National institute of Public Cooperation and Child Development. Expert on Early Childhood Care & Education, Executive Member, AIWEFA, Ways to promote Intergenerational Bonding, 30 January, 2018

HarbansMukhia and Neeladri Bhattacharya (Retd.Profs. JNU), The Historian's Craft' focused on new approaches to the writing of medieval Indian history and the question of historical reconstruction, community memory and expanding archives. 20 February, 2018.

AnkitChadha and VedanthBhardwaj, A dastan on 'Gandhi's idea of 'death' in *Prarthana*. 20 February, 2018.

Ms Swati Maliwal, Chairperson, Delhi Commission for Women, Child Rape and Sexual Abuse. 11 April, 2018.

### **Conferences / Workshops organized**

Two day Second Science Film Festival in Collaboration with VIGYAN PRASAR, Department of Science and Technology, Government of India was organized on 28-29 August 2018.

Digital Learning, Role of Technology in Learning , in Collaboration with Pearson Education Ltd. India was organized on 25 September 2018.

Energy Audit, was conducted by Dr. Ashok Kumar, Energy Consultant from Bureau of Energy Efficiency, Ministry of Power, Government of India and International Co-operation on 13 March, 2018.

Econometrics software, covering important software's like MS- Excel, Gretel was organized on 27 Feb, 2018.

Promoting Intergenerational Bonding, was organized by All India Women's Education fund Association (AIWEFA) sponsored by National Institute of Social Defence (NISD), Ministry of Social Justice & Empowerment under DBT Star College Project on 30 January, 2018,

### **Seminar/Conference Presentations**

Bharti Chaudhry, Suresh Kumar, Anupama Tiku and Pooja Jha Maity presented a paper, " Micropropagation of medicinally important plant: *Bacopamonnieri*. At International Conference on Medicinal Plants and Drug Discovery held during July 18-20, 2018. Bangalore, India.

Amit Bhattacharya: presented paper on "Antimalarial pharmacodynamics of repurposed drugs in combination with artemisinin against *Plasmodium falciparum in vitro*"). in the National Conference on

“Vector borne and Zoonotic Diseases: Emerging challenges in surveillance, diagnosis and control in the context of global travel, urbanization and climate change”, Ashutosh College, Calcutta University, Kolkata held during 8 -9 December 2017.

Amit Bhattacharya gave talk on Technoference: Alone Together in the Faculty Development Program: Positive Education: Developing Skills for Teaching, Learning, and Well-Being held during 22-28 May, 2018.

Charu Dogra Rawat\* and Sadhna Sharma presented a paper on Research Based Pedagogical Tool – re-designing pedagogy’ At International Conference held during 8-10 November, 2017.

Neelu Anand Jha presented paper on Effect of changing light environment on behaviour and physiology of organisms in National conference on “Environmental Challenges for New India”. held at Dr. BhimRaoAmbedkar College, University of Delhi, Delhi during 2- 3 June 2018.

Dr. Helianthus, presented a paper on “Complete genetic repertoire of a hexachlorocyclohexane degrading bacterium, *Sphingobium indicum* B90A” under Innovative Science special session for faculty at INSCR International Conference, 2017 on “Role of Microbe-Plant- Animal Interactions in Human Health” at University of Delhi, Delhi, India on 27 September, 2017.

Roma Rani, Suresh Kumar, Alok Kumar, Kartiki Bhatnagar, ShauryaVardhan, MuktaKamboj, ThokchomPriton Singh, ChRachana, ShalviDogra, Nixon Chakma, RichaKumari, KhundongbamNonglenkhomba Meitei, 2018. Effect of kitchen waste’s material on the growth of crop plants. Presented on National Seminar on “Recent Trends of Research in Life Sciences” at Ramjas College, University of Delhi, 21<sup>st</sup> March 2018.

Pooja Jha Maity presented a poster in the INSCR International Conference – Comparative Codon and Amino Acid Usage Bias among the sequenced Genomes of Bacterial Phylum Firmicutes. In the INSCR International Conference – 2017 on “Role of Microbe-Plant- Animal Interactions in Human Health” held during 26- 28 September 2017.

Aavrati Saxena, AmanGangwar, Anushka, Kritika, ShubhanshuPandey, Pratistha Sharma, Ramnik Sharma, Manisha Singh, Sonal Nigam, HelianthusVerma, Devi Lal, CharuDograRawat\* and SukanyaLal presented poster on Isolation of Hexachlorocyclohexane (HCH) - Degrading Bacteria From HCH - Contaminated Soil From an HCH Dumpsite at 3<sup>rd</sup> Indian Soil Contamination Network Research (INSCR) International Conference IIC-2018 held at KIIT (Deemed to be University), Bhubaneswar, Odisha during 26-27 September, 2018.

Charu Dogra Rawat, presented E-poster, “Methods and Applications of CRISPR-Mediated Base Editing in Eukaryotic Genomes” in National Symposium- cum- Faculty Development Program on “Genome Editing –Tools and Applications”, held at Miranda House, University of Delhi, New Delhi during 15 – 22 January, 2018.

Samar Pal Singh, Jai Gopal Sharma and RinaChakrabarti, presented Poster in Indo-US Workshop & International Symposium on “Biological Timing and Health Issues in the 21st Century” organized by Department of Zoology, University of Delhi, Delhi during February 21-24, 2017.

Yadav Shailesh Kumar R. and Aparna Dixit presented a paper, “Anti-hyperglycemic activity of Napin-like protein of *Momordica charantia*” in International Conference on “Trends in Biochemical and Biomedical Research: Advances and Challenges” Department of Biochemistry, Institute of Science, Banaras Hindu University Varanasi, INDIA, during February 13-15, 2018.

### Extension and Outreach Activities

A Inspire Science Internship Camp sponsored by Department of Science & Technology, Govt. of India, organized by the College, in which 165 students of Classes 11<sup>th</sup> and 12<sup>th</sup> from thirty five schools of Delhi took part, 3<sup>rd</sup> to 8<sup>th</sup> July, 2017. Two momentous projects namely Navnirman and Drishti were undertaken by NSS unit of the College this year. In Project Navnirman, children from Cigarette-wala Bagh slum cluster of Model Town were taught by student volunteers. In Project Drishti, about 30 students of NSS assisted visually-challenged students in their assignments, projects and as scribes in examinations. Ramjas NSS had also organized a Self-Defence workshop for women on the birth anniversary of Netaji Subhash Chandra Bose. In this workshop 40 girl-students were trained for 10 days under the aegis of CDLSA (Central and Delhi State Legal services Authorities) and Delhi Police.

### Library Development

Number of books added in 2017-2018 was 1300

The library subscribed N-list from INFLI & NET. THE COLLEGE Also received E-journalsubscribed by Delhi University library system

### **Faculty Strength**

Total number of Permanent faculty = 99

Total number of Temporary faculty = 1

Total number of Ad-Hoc faculty = 141

### **Financial Allocation and Utilization**

Grant sanctioned: Rs.51,73,24,000/-

Grant Utilized:-Rs.42,75,22,421/-

### **Other Significant Information**

The Startup Edge- Entrepreneurship Cell, Ramjas College has formulated with the vision of nurturing the entrepreneurial instinct among the students of the college and goes by the motto of 'Transforming Passion into Profession'. It organized The Leadership Summit that invited Mr. Dushyant Chautla as the Chief Guest and The Internship Fair-2 in the Ramjas College ground. That invited 52 companies recruiting from our campus itself. More than 1000 students participated in the same and almost 300 students were offered internships which gave a boost to their careers. Spreading entrepreneurship was not the only motto according to members of the society, but creating an environment for entrepreneurship and helping other students to learn more about the day to day practical businesses. Under the Umbrella of The Start-up Society, students organised an awareness run to promote Donor on Call organised by Green Shakti Foundation in Association with Deloitte

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## **RAM LAL ANAND COLLEGE**

### **Major Activities And Achievements**

The college has started two courses B.A. (Hons) Mathematics and Bachelor of Management Studies (BMS) from this session. Keeping pace with the new education policy of Government of India which mandates skill development courses in higher educational institutions, a skill enhancing 6 months certificate course in "Heritage and Tourism Management" has been started by the college in collaboration with industry partner. The Nijhawan Group of companies, pioneers of travel and tourism Industry. Another certificate course of 6 days "Analytics using R" is being offered to the students in collaboration with Step Up Analytics. Two new centres have been started in the college; Centre for Education and Training in Disaster Management and Center for Entrepreneurship and Technology Development. The college has initiated a monthly lecture series by Eminent Personalities on current issues and human values to apprise students.

### **Honors**

Dr Rakesh Kumar received an award "Vikas ke Satat Saathi Puraskar" 2017-18 from Dabur Ayurved.

Dr. Pradeep Kumar Sharma, has been awarded PhD degree in August 2017 from JJT University, Rajasthan.

### **Students With Distinction**

Nitin Kumar Khandelwal , B.Sc (Hons) Geology, has been awarded Gold Medal in the University Convocation in 2017.

Pavni Sharma and K M Ambika from B.Sc (Hons.) Microbiology and Dependra Singh, Vishal Saini and Rishabh Kumar of B.Sc (Hons.) Geology were awarded INSPIRE Fellowship from DST.

Shreya Uttam, B. A. (Hons) II year received an Educational Scholarship of Rs 20,000 from World Brotherhood Organisation.

Y Yoshi, B.Sc (Hons.) Microbiology is the recipient of PM Trophy Merit Scholarship from SAIL.

Lucy, Horan, Amir, Rahul and Ronald from North East have received Ishan Uday Scholarship from UGC

### **Publications (Selected)**

- Khanna, S. T. Sharma, K. (2017) Technology improving wireless communication: A comprehensive study on Laser Communication. *IOSR Journal of Computer Engineering*, 119 (4), <http://www.iosrjournals.org/iosr-jce/papers/Vol119-issue4/Version-2/E1904022633.pdf>
- Kumar, P. (2017) Imagining Kingship, Duty and Love in Ancient India Perspectives from the Priyadarśika and the Ratnāvalī of Śrī Harṣa. New Delhi: Research India Press.
- Kumar, R. (2018) Business Law. A K Publisher.
- Kumar, S. (2017) Susashan kai protashan main prodhogiki aivam navachar ka prayog. *International Journal of Literary Studies*
- Kumar, V. B. (2018) Democratization in Kyrgyzstan and Turkmenistan. Academic Publications
- Mishra, B. K. et al. (2017) Automatic Green Corridor using Radio sensor to save Human Life. *IJECT*
- Prasad, S., Ratha, S., Adarsh, T., Anand, T., Sinha, A., Diwan P., Annapurna, K.; Kaushik, B..(2018) In vitro Bioactivity and Antibacterial Properties of Bismuth Oxide Modified Bioactive Glasses. *Journal of Materials Research*, 33(02):1-13.
- Sharma, S. and Upadhyay R. (2017) Information communication technology and Digitalization: A Compatibility analysis with MGNREGA. *International Journal of Scientific Research in Network Security and Communication*, [http://ijsrnsc.org/pub\\_paper/IJSRNsc/27-IJSRNsc-0229-60.pdf](http://ijsrnsc.org/pub_paper/IJSRNsc/27-IJSRNsc-0229-60.pdf)
- Tyagi, K. G. (2017) Central Asia from Tsarist Regime to October Revolution. Gurugram, Haryana: Hind Publication.
- Yadav, N. (2017) Agricultural Marketing in India: Issues and Concern. Manak Publications.

### **Number of College Teachers Serving As Editor/Member Of Editorial Board: 3**

#### **Research Project**

Dr Perna Diwan , R.K.Gupta and Dr Kusum Gupta (2017-18) . Department of Biotechnology, Ministry of Science and Technology, Govt of India, Betel Nut Chewing Induced Genotoxic Changes–Evaluation and Awareness Study in Young Population of North Eastern State of India for Rs 8.00 lakhs

#### **Seminar Organized**

National Seminar entitled “Indian Culture: Tradition and Practices (Recent Reflections)” by Department of History on 16 March 2018.

Seminar “Interpreting Gandhi in Contemporary Indian Society” by Prof Ramesh Bhardwaj, Director, Gandhi Bhawan on 28 February 2018.

National Seminar entitled “Synchronization of devices using cloud” organized by Department of Computer Science on 21 February 2018.

International Seminar on “Infectious Diseases: Current Strategies for Diagnosis and Therapy” on 2nd February 2018 organized by Department of Microbiology.

Two Day National Seminar and Workshop on “Rangmanch” organized by Hindi Sahitya Parishad of Department of Hindi on 8 to 9 January 2018.

#### **Workshops Organized**

Carrier Guidance and Career Counselling Workshop was held in three separate batches for Science/Commerce/Humanities students on 22 to 24 January, 2018.

Yoga Workshop on the occasion of International Yoga Day from 19th June to June 21, 2017 with interactive lecture session on Yoga, live demonstration by experts.

A three weeks Yoga Workshop for student and faculty was organized during 23 Oct. to 10 Nov. 2017.

Workshop on Mind Management dealing with basic method of mind management and relaxation of the mind on 22 September, 2017.

One Day Workshop on “Web Journalism: Opportunities and Challenges” organized on 8th April 2018, eminent speakers Shri Sandeep Kumar and Shri Prabhat and Shri Anwar.

Faculty Development Programme “1st ICT workshop on Microsoft Excel and Power point” was organized for faculty of the college.



### **Seminar/Conference Presentations**

Rakesh Kumar, presented a paper 'Rashtrakavi Maithili Sharan Gupt: Vyaktitv Aur Krititv in Maithili Sharan Gupt at Mukhtangan', Delhi, 11 March 2018.

Rakesh Kumar, presented a paper 'Khabron Ki Khabar': A criticism of present day News in Abhidha 2018-Annual Literary Fest at Hindu College, University of Delhi on 10 April, 2018.

Sanjay Kumar Sharma presented a paper, 'Vasudhaiva Kutumbakam- Whole World is One Family' in an International Conference held at Aryabhata College, University of Delhi organized in association with Shaishik Foundation during 24 to 25 February, 2018.

K.G. Tyagi presented a paper, 'Realization of the Absolute Reality within Oneself is the Ultimate Goal of Vedas' in WAVES International Conference at New Delhi, held on 10 Dec., 2017.

Parul Lau Gaur presented a paper, 'Power Play at the Indian Mughal Court: An introspection of physical culture' in a Conference on "Probing the boundaries" at Vienna, Austria, held during 2 to 3 December, 2017.

Tiranjana Raj, presented a paper, 'Desirability and Feasibility of Holding simultaneous Elections: Its impact on Tribal population in India' in 12th International Conference organized by Institute for Social Development & Research, Gari Hotwar, Ranchi during 7 to 9 October 2017..

Sunila Hooda, presented a paper, 'Investigating the phenotype and genotype for N-response and NUE in rice' in an International Workshop on "Challenges and opportunities for agricultural nitrogen science in India" at National Academy of Agricultural Sciences, New Delhi held during 3 to 5 October 2017

### **MoU Signed: 3**

With School of Open Learning, University of Delhi for Personal Contact Programs, Counselling sessions (Functioning as Study Centre) and conduct of Year End Examination for 3 years.

With CalyxPOD Talent Solutions Pvt. Ltd. on 1st December 2017, to manage placement/internship schedules and records.

With Nijahawan Group as Industry Partner, a leading Travel Conglomerates in India with vastly diversified entities within the travel Industry on 29th January 2018 for 36 months, to

### **Other Inter-Institutional collaboration**

Dr Perna Diwan, Department of Microbiology, is collaborating with Dr. Kaushik Biswas, Assistant Professor, CSIR-Central Glass and Ceramic Research Institute, Kolkata for Antibacterial Assay studies.

### **Students Under Exchange Program**

The college hosted delegates and students from North Eastern State Sikkim under the Govt. of India initiative "Ek Bharat Shreshth Bharat" through Nehru Yuva Kendra. One of our student Mr Mahesh Kumar, BJMC Ist Year visited Sikkim under this programme.

### **Placement Details**

160 students were offered jobs by Amazon, Tech Mahindra, KPMG, Smart Schools Inc Ltd.

18 companies participated in an Internship Fair organized in the college and selected 300 students.

### **Extension And Outreach Activities**

NCC cadets offered Guard of Honour and Flag Hoisting on 15th of August 2017. NCC cadets participated in the various camps this year including Thal sainik camp (TSC), Advanced Leadership Camp (ALC), National Integration Camp (NIC), Trekking Camp, Army Attachment Camp (ATC) and Combined annual training camp (CATC). NSS unit organized cleanliness drives, Election awareness drive, Tree Plantation, Clothes Donation, Blood Donation Camp, awareness talk on Spinal Cord and sports Injuries. Women Welfare Advisory Committee conducted Self Defense programme for girl students from 18th September 2017 to 22nd September 2017 in collaboration with Delhi Police and Women Power Association, an NGO based in Delhi. This committee in association with CSR Research Foundation installed a sanitary napkin vending machine under the initiative "Mission AAA", Awareness, Availability & Affordability of sanitary napkins to promote Healthcare, Hygiene for women besides Gender Sensitivity and Women Empowerment at large.

### **Library Development**

The library has added 1047 books in the session 2017-18 making total collection of 62000.

**Faculty Strength:**

Total number of Permanent faculty = 40

Total number of Adhoc - faculty = 43

**Financial Allocation And Utilization**

Grant sanctioned : Rs. 21crores

Grant Utilized : Rs. 16.81 crores

**Other Significant Information**

The college hosted Open House Session on 12 June 2017 for aspirants seeking admission at UG level in University of Delhi. Centralized Trials were also conducted for UG admission of students in University of Delhi under quota for Extra-curricular activities in NCC (22-27 June 2017, 5th July 2017) and NSS (18th - 20th June 2017, 3rd July) categories. Field trips were conducted for students of various departments to give additional knowledge and exposure which goes beyond class room teaching. SPIC MACAY RLA Chapter organized a musical concert by one of the most renowned Santoor Maestro, Shri Abhay Rustum Sopori.

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**SATYAWATI COLLEGE****Major Activities and achievements**

The College was successful in expanding its infrastructure by creating Solar Energy plant and it has also constructed the Lifts in the college campus. The college has organized few National and International Seminars. Process of digitilization of the students, teaching and non-teaching data has been initiated by the college.

**Honours/Distinction**

Dr. Nirmal Jindal received “College Lecturer” award from Directorate of Higher Education, Government of NCT of Delhi for the year 2017-18.

Dr. Anju Seth received Samaradhaka Samman award from Sanskrit Academy ( Delhi Government) for the year 2017-18

Dr. Manjula Dass received “ Global Women Achiever”, “Bechun Thakur Puraskar” and Sahitya Kriti Puraskar in year 2017-18

**Student with distinction**

RajatKhurana, B.Com (H) III secured first position in the college.

RaghavKapoor, B.Com (P) III secured first position in the college.

Krishna Mittal, B.A (H)- Eco II secured first position in the college.

AnubhaviBansal, B.Com (H) I secured first position in the college.

ShivaniGoyal, B.Sc (H) Math I secured first position in the college.

**Publications**

Mathur, A. (2017) Work Life Balance, Myth or Reality- A Conceptual Exploration : JIMS 8M, *The Journal of Indian Management & Strategy*, 22[7-9], 29-37.

Mathur, A. (2018) Fundamentals of Entrepreneurship, Delhi, Taxmann.

Mathur, A. (2018) Illiteracy & Population Growth- a study of Kerala &Bihar: JIMS 8M, *The Journal of Indian Management & Strategy*, 23[4-6], 35-43.

Mathur, A.(2017) Leadership- Issues & Challenges, Delhi, YE Books.

Nirmal J. (2018) Relevance of Gandhi in Modern India, *International Journal of Historical Insight and Research(IJHIR)*, 4, (1)

Singh A., Singh R. (2017) Biodiversity and conservation.Applied Physical Chemistry with Multidisciplinary Approaches.EditorDevrimBalkose, Sabu Thomas, Apple Academic press, NJ, USA Hard. ISBN: 9781771886062

Singh R, Gautam, N., Singh A. (2018) Plant Growths Regulator. Theoretical Models and Experimental Approaches in Physical Chemistry: Research Methodology and Practical Methods. Editor: A.K. Haghi, Sabu Thomas. CRC Press: Taylor and Francis Group, USA. ISBN: 97817718863215.

Sunny, A., Diwakar, S., Sharma, G. P. (2018) Interactions between non-native plants and native insects: research gaps. *Current Science*, 114(4), 728-729.

### Research Projects

Dr. Rajeev Singh, project funded by Ministry of Science and Technology, Govt. of India, (2017-18), Isolation and Characterization of Bio-contaminant from Indoor Environment in Delhi Residence and their impact on Human Health for Rs. 36 La

### Seminar Organized

An International Seminar on “Revisiting Gandhi and Ambedkar” was organized by SC/ST Advisory Committee on 24, 2017

National Seminar on “Importance of Braille” was organized by Equal Opportunity Cell on 13 March, 2018.

National Seminar on “Remembering Gandhi: The Messenger of Peace” was organized by Gandhi Study Circle & Debating Society on 21 March, 2018.

National Seminar on “Recasting the Subaltern: Visual Media in the North East India” was organized by North East Society on 31 March, 2018.

National Seminar on “Indian Democracy and Tribal Rights” was organized by SC/ST Advisory Committee on 28 August, 2018.

### Seminar/Conference Presentations

Nirmal Jindal presented a paper, 'Globalization and Environment security' in a national seminar on “Environment Sustainability and Conservation” Issue and Challenges in 21st Century” organized by the Department of Environment and Government of Delhi on 15 Nov., 2017.

Anju Seth presented a paper, 'Remembering the Vivekananda vision of Modern India' in the National Seminar on the topic title: “Remembering the Vivekananda vision of Modern India” on Sep 20, 2017.

Bhuwan Kumar Jha presented a paper, 'सत्याग्रहका विचार और प्रयोग: गाँधी से राजनारायण तक' in the National Seminar held on March 20, 2018.

Manju Dubran presented a paper, 'Ambedkar on Planning and Development' in the International Seminar on 24 Oct, 2018.

Sunanda Sinha presented a paper, 'The Trajectory of Violence in Ngugi's Novels' in International Seminar on 17 March, 2018.

Abha Mathur presented a paper, 'Emerging Dimension in Corporate Social Responsibilities in Indian Companies- A case study of Initiatives by TATA' in a National Conference on August 04, 2017.

Lajpat Rai presented a paper, 'Religion, Environment and Politics' in National Seminar on 15 Nov., 2017.

### Library Development

Total Budget : Rs. 544041/-

Book Purchased : 1403

Newspaper, Magazine & Journals: 46

### Faculty Strength

Total number of Permanent faculty = 103

Total number of Ad-Hoc faculty = 40

Total number of Temporary faculty = 01

### Financial Allocation and Utilization

Grant Sanctioned: Rs. 33,32,30,000/-

Grant Utilized : Rs. 28,64,73,000/-

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## SATYAWATI COLLEGE (EVENING)

### Major Activities and Achievements

While imparting quality education to the students, many of the teachers have participated and presented research papers at various national and international academic and scholarly conferences, seminars and workshops, both in India and abroad. Some of them, also, have authored and/or co-authored academic articles and books. The college has established its reputation in various fields such as Sports, NCC, Dramatics and Debate. The college has set up the benchmark for excellence in Judo and Weight Lifting. Our students have excelled in Wrestling, Weight Lifting, Body Building, Kabaddi, Archery and Judo at Inter-University, National and International level. The N.C.C. unit has provided ample opportunities to the cadets to participate in important all India Camps including Republic Day Camp, Prime Minister's Rally (2018) Delhi Cantt. and Special National Integration Camp (Lakshadweep), National Integration Camp (Bharatpur), Advance Leadership Camp (Gujarat and Rajasthan), Amar JawanJyoti Camp(India Gate), Para sailing & Para slithering camp etc.

### Students with Distinctions

Our students have to their credit following achievements in various University of Delhi events:

#### Body-building

Mr. Mohit Pal of Pol.Sc.(H) III year, won the gold medal in the 90kg weight category.

Mr. Pramod Kumar Pol.Sc.(H) II year won the silver medal in below 80 kg, and,

Mr. Gopi Singh, Pol.Sc.(H) III year won the bronze medal in 75 kg category.

Mr. Hemant Bansal of B.Com (P) won silver medal in both 100 mtr. and 200 mtr.

Mr. Govind of B.A (P) I year won the bronze medal in below 91 kg category (Boxing).

Mr. Abhishek of B.A (P) won the bronze medal in Greco Roman 55 kg weight category(wrestling).

### Publications

Bhardwaj, S. B., R.P. Bahuguna, M. Kumar, (2017) Revisiting the History of Medieval Rajasthan: Essays for Professor Dilbagh Singh New Delhi: Primus Books.

Kumar, M. (2017) Why is it Necessary to Resist Stationary? -Rethinking Significance of Folk Traditions of Early Modern Rajasthan.in Vikas Kumar(ed.) *Religion, Ethnicity and Resistance: Why can't We Coexist?*, New Delhi: Authors Press, 122-137.

Kumar, M. (2017) The Man Who Internalised Gandhian Philosophy.*Orbit*, 1, 4-7.

Kumar, M. (2017) Rajasthan's Architectural Marvels of Water Conservation. *The Wire*, <https://thewire.in/153245>.

Kumar,M. (2017) Orality Community and Society. UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Mittal, P., S. Yadav , P. Chakraborti and U. Arora (2018) *Children aged 6-24 months like to watch YouTube videos but could not learn anything from them*. Acta Paediatrica, DOI 10.1111/apa.14291, ISSN: 0803-5253, Scopus Indexed, Wiley Pub.

Singh, N. (2017) Sardar Patel: A Reappraisal. in *Sardar Patel Memorial Lecture*, New Delhi: Sardar Vallabhbhai Patel Smarak Trust.

Singh, N. (2017) The Sahib and the Khadim: India in the Print Media during Colonial Rule. UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Singh, N. (2017) Colonial Context, Press and Contradictions in India.UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studies, as part of paper titled, *Community, Media and Society*, available at <http://epgp.inflibnet.ac.in/ahl.php?csrno=24>.

Singh, N. (2017) Nationalist Press in India.UGC E-PG Pathshala course on Media and Communication Studies Media and Communication Studiesinflibnet.ac.in/ahl.php?csrno=24.

### Seminars Organized

Prof. P K Basant, Department of History and Culture, Jamia Millia Islamia & Dr. Om Prakash Singh, Associate professor, Delhi College of Arts and Commerce, *The Iron Age in India*, 29<sup>th</sup> September 2017.

Prof. Anne Feldhaus, Distinguished Foundation Professor of Religious Studies, Arizona State University, Tempe, USA, *The historical role of places of pilgrimage with special reference to Western India*, 12 January 2018.

Shri Chandi Prasad Bhatt, renowned environmentalist and pioneer of the Chipko Movement, *the Himalayan Ecosystem: importance, threats, vulnerability and conservation processes*, 21 September, 2017.

Prof. Kaushal Kishor Sharma (Centre for the Study of Regional Development, JNU, 'Water and Life' 8 September, 2017.

Shri Ashutosh Kumar, Academic Director, Jammu & Kashmir Study Centre, New Delhi, *Article 370 and 35 A of the Indian Constitution and Media*, 29 October 2017.

### Conferences Organized

'Environmental Sustainability and Conservation: Issues and Challenges in 21<sup>st</sup> Century' Department of Environment, Govt. of NCT Delhi held during 15 November, 2017.

'Buddhism in Early Medieval India', 2017, ICHR during 15th September.

'Bharat Vibhajanaur Sindhi Asmita', National Council for Promotion of Sindhi Language, MHRD, Govt. of India during 22-23 February, 2018.

### Seminar/Conference Presentations

A. Ravichandran presented a paper, "Organizational Climate HRD Climate Job Satisfaction and Its Outcomes: A Conceptual Model" in Fifteenth AIMS International Conference on Management held at IMT Ghaziabad during , January 6-8, 2018.

Durgesh Verma presented a paper, "BhartiyaStri: BadalteMulya" at One Day International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change on Monday, organized by Rajiv Gandhi Study Circle, Delhi during 29January, 2018.

Durgesh Verma presented a paper, "The Making of Sindhi Hindu Identity: Life after Partition" international Seminar on Bharat Vibhajanaur Sindhi Asmita, organized by Satyawati College Evening in collaboration with National Council for Promotion of Sindhi Language, MHRD, Govt. of India during 22-23February, 2018 .

Mayank Kumar presented a paper, "Beginning of Early Modern Era? Socio-Religious readings in the nature of the 17<sup>th</sup> -18<sup>th</sup> century polities of Rajasthan", at the conference on Debating Early Modern in South Asian History, organised by Ashoka University, Sonapat during 9-10 February 2018.

Mayank Kumar presented a paper, "Migrations, Settlements and Climate" at International Seminar on Migration and Settlements: Development of Cross-cultural India (A Study in Historical Perspective through the Ages), organised by Mahila P.G. Mahavidaya, Jodhpur during 25-26 July 2017.

Mayank Kumar presented a paper, 'Visibly-Invisible: Sources, Environment and Historians', at the National Seminar on Environment and Society organised by School of Inter-disciplinary and Trans-Disciplinary Studies, Indira Gandhi National Open University, New Delhi , on 31October, 2017.

Neerja Singh presented a paper, "Patel and the Left" at National Seminar on Making of a Gandhian Nationalist- Life and Times of Sardar Patel organized by Nehru Memorial Museum and Library, New Delhi, 31 October and 1 November 2017.

Neerja Singh presented a paper, "Letters as Information and Historical Sources", at the International Seminar on Media Studies: Pedagogic and Methodological Engagemnets, organised by Centre for Media Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi, 23-25 March 2018.

Rajiv Verma presented a paper, "Emergence of "New Woman" Entrepreneurs in India: A Historical Analysis" at One Day International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change on Monday, 29 January, 2018organized by Rajiv Gandhi Study Circle, Delhi.

Rajiv Verma presented a paper, "Conservation of Himalayan Ecology through Buddhist Philosophy at International Seminar on Himalayan Buddhism: Continuity and Change", Organised under UGC SPA programme by the Department of Buddhist Studies, University of Delhi during 26-27 March 2018.

Shiba C. Panda presented a paper, "Entrepreneurship- As a Business Strategy" at the National Conference on Strategies for Business Excellence, Greater Noida, Delhi held during 09 March, 2018.

### Placement Details

Various companies selected 36 students of the college for interns and final placement at the average monthly stipend of Rs. 6000-8000 p.m. and annual pay package of Rs. 1lac to 2.5 lacs respectively. Companies (such as Genpact, FRR Forex, Rapicon LLP and Internshala) visited and conducted campus recruitment both for summer internship and final placement during the month of January-April 2018.

### Extension and Outreach Activities

Faculty Development Program on Data Analytics Using R Environment, Aug. 25-26, 2017.

### Library Development

The college library has added 1604 new books on various subjects to its collection. The library subscribes to six journals of various disciplines, twenty seven magazines and twenty three newspapers. In a recent initiative the library has subscribed Reliance Drishti journal for blind students. The library is also the member of N – LIST programme. The programme is funded by the MHRD under NMEICT to extend access to selected e-resources to colleges. It has subsumed under UGC-INFONET-Digital Library Consortium as college component from year 2014 being funded by UGC. The Library offers an open access facility and OPAC facility to the users for the available collection. Recently library has opened a new reading room for users, where students are allowed to carry their own reading material and laptops etc. for reading.

### Faculty Strength

Total number of Permanent faculty: 37+1 (OMSP Instructor)

Total number of Adhoc faculty: 61

### Financial Allocation and Utilization

Grant sanctioned : Rs. 22.27 crores

Grant Utilized : Rs. 19.63 crores

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## SCHOOL OF OPEN LEARNING

### Major activities and achievements

SOL has celebrated the International Day of Yoga on 21<sup>st</sup> June, 2017 as per the direction of the University.

### Students with distinctions

Abhay, B.com secured 80.44% marks

Anant Gupta B.com (H), secured 79.12% marks

Ishleen Sethi, B.com (H) secured 78.76% marks

Shivani, M.A. (Sanskrit), secured 78.5%

### Library Development:

a) Total Budget	:	Rs. 1,38,000,00-00
b) Number of books added	:	13951 volumes
c) No. of National Periodicals/Journals Subscribed	:	08
d) No. of International Periodicals/Journals Subscribed	:	01

DELNET services are extended to the academics for to their requests of those documents which are not available in SOL library. The documents are collected from members libraries of DELNET and made available for consultation in SOL library premises only. The students are provisioned with the N-list database of more than 6257+ e-journals with back files for 10 years and 31,35,809 + e-books. These resources belong to all the disciplines and student can access this facility remotely from anywhere 24x7hrs.

Equal opportunity Cell (EOC) has full-fledged facility with special gadgets and software for visually impaired namely Seika V3-Braille Display, Braille Sense U2 Note Taker, Readit Scholar-HD, Read Easy move standalone reading Machine, Daisy Player, Braille Face and NVDA. SOL is associate member of this online service for visually impaired students. The Sugamya Pustakalaya is the aggregator of accessible e-versions of books available in India. It is poised to become the largest collection of books in accessible formats in India and a one-stop resource for the reading requirements of all those persons who due to blindness, weak eyesight or any other disability cannot read the standard print. Bookshare, the largest International online library for persons with print disabilities is also integrated into Sugamya Pustakalaya.

### **Faculty Strength**

Total number of Permanent faculty= 23

Total number of Temp faculty= 01

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## **SHAHEED BHAGAT SINGH COLLEGE**

### **Major Activities and achievements**

The Grand celebration of the Golden Jubilee of the College (2016-17) was organized on the 16th July 2017 at Siri Fort Auditorium. The illustrious and eventful fiftieth year of the college in its Valedictory function had the gracious presence of Dr. Jagdish Mukhi, Hon'ble Lt. Governor, Andaman and Nicobar Island as the Chief Guest. On this occasion, the college conferred the Bhagat Singh Award of Excellence to six of our alumni's that included Shri Shoojit Sircar, Film-maker and Mr. Sidharth Malhotra, Actor for their contribution to the field of Art and Culture, Shri Sandeep Marwah, for his contribution to the field of Entrepreneurship, Ms. Veena Ish, IAS, Member Administration, NHAI, Ministry of Roads Transport and High ways for her contribution to the field of Public Service, Shri Sajiv K. Chaudhary, Partner, Tax and Regulatory Services, KPMG for his contribution to the field of Management and Justice V. Kameswar Rao, Judge, High Court of Delhi for his contribution to the field of Law.

### **Outstanding Honors/Distinctions**

Dr. Shuchi Priya Mittal, has been awarded Ph.D. in Management from Faculty of Management Studies, University of Delhi in July 2017.

Dr. Simple Mohanty, has been awarded the Ph.D. in Political Science by the University of Delhi in July 2017.

Dr. Meera Mehta, conferred the Best Paper Award for the paper titled, "Can Interest-free banking be interesting for India?" at International Academic Conference on Business-2017, Stockholm, Sweden, held from June 4 to 8, 2017.

Dr. Ruchi Gupta, was awarded the ICBM- AMP Academic Excellence Award 2017 in the category of 'Best Professor in Advertising' in a function jointly organised by ICBM and Academy of Management Professionals in Hyderabad in December, 2017.

Dr. Nilanjana Mukherjee awarded the prestigious Charles Wallace India Trust Visiting Fellowship at the Institute of Advanced Studies in the Humanities, University of Edinburgh, UK.

Dr. Poonam Sharma, awarded with "Meritorious Teacher Award 2017-18" by the Government of NCT of Delhi. She has also received the Award for good paper presentation at International Conference, Nordic Geographers Meeting in Stockholm, Sweden during 18-21 June 2017.

Dr. Rityusha Mani Tiwary awarded the "International Visiting Fellowship 2017", by Academy of Korean Studies, Seoul, South Korea, June 15-30, 2017. She was also selected for the "Visiting Program for Young Sinologists 2017" by the Ministry of Culture of the People's Republic of China (MOC), Beijing, China, in 2017.

Dr. Shantesh Kumar Singh awarded the Post-doctoral Fellowship by the International Institute for Global Health, United Nations University, Kuala Lumpur, Malaysia.

### **Publications (Selected )**

Arora, S. (2017) "E-Commerce" published by Taxmann Publishers, New Delhi

Gupta, R. (2017) "Advertising" published by Scholar Tech Press

Murari, K. (2018). "Shasan: Mudde aur Chunautiyan", Orient Blackswan, New Delhi.

Sharma, V.S. (2017) "Initiatives of ULB in Providing Affordable Housing for the Urban Poor in Rajkot City, Gujarat" published by Concept Publishing Company, New Delhi

Sharma, V.S. (2017) "Impact of Development on Environment of a City: A Case Study of Yamuna River in Delhi" published by India Publishing House, New Delhi.

Sharma, V.S. (2018) "Disaster Management and Institutional Framework in India", published by Research India Press, New Delhi..

Singh, S.K. (2017) "Nepal me Loktantra aur Print Media (1990 ke Pashchat)" Sahitya Sanchay Publications, Delhi, India.

### **Seminar Organized**

National Seminar on "Demonetization and GST: Emerging Issues in Indian Economy" was organized by Department of Economics IIC, New Delhi.

National Seminar on "Electoral Process and Dynamics of Democracy in India" was organized at Jawaharlal Nehru University on April 4-5, 2018.

### **Conference Organized**

An International Conference on "Livable Cities: Transforming Sustainability and its Challenges" on February 5-7, 2018 was organized by Department of Geography at Conference Centre, University of Delhi.

### **Seminar/Conferences Presentation**

Shivani Arora presented a paper, "Unraveling E-commerce in India", MTMI International Conference held in collaboration with DBMA, University of Maryland and Eastern Shore, USA, held in Virginia during September 22-23, 2017.

S. Varadharaj presented a paper, 'Reader and Beyond: An Introspective Study in the writings of Michael Crichton' in International Conference on "Introgating Disability, Studies: Literature, Culture, Performance", University of Delhi during 2018.

V.A.V. Raman presented a paper, 'Spatial Analysis of Mass Wasting Induced Surface Changes and Related Geo-indicators in Trans-Himalaya: A Study in Lower Pin Valley, Lahaul and Spiti' and "Impact of Recent Channel Dynamism on and Uses in the Inter-Fluvial Zones in Middle Ganga Plain". 9th International Conference on "Geomorphology (ICG 2017) of the International Association of Geomorphologists (IAG)", New Delhi during 6 to 11 November, 2017.

Poonam Sharma presented a paper, 'Parks: The Green Engines for Sustainable Cities' in International Conference, Nordic Geographers Meeting, Stockholm, Sweden during 18 to 21 June 2017.

V.R. Sharma presented a paper, 'Pollution in River Yamuna and its Impact on Environment' in an International conference on Liveable Cities: Transforming Sustainability and its Challenges", 2018.

Rityusha Mani Tiwary presented a paper, 'A Strategic Analysis of China's Belt and Road initiative' in the International Roundtable on "Belt and Road Initiative", Centre for Eurasian and Russian Studies, Chinese Academy of Social Sciences, Beijing-China, 2017.

Shantesh Kumar Singh presented a paper, 'Emerging Policy of Global Health and Health Security in Post-Conflict Systems: A Critical Study' in an International Conference, organized by WISC at Taiwan National University in 2017.

### **Placement details**

Number and percentage of Students placed:	145
Number of Companies visited for campus recruitment:	24

### **Library Development**

Total Budget: Rs.16,42,500/-



Number of books and journals added: 2105

Internet facilities upgraded: Yes

### **Number of Faculty**

Total number of Permanent faculty = 94

Total number of Ad-hoc faculty = 52

### **Financial Allocation and Utilization**

Grant sanctioned: Rs.28,50,26,337/-

Grant Utilized: Rs.25,76,09,343/-

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## **SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN**

### **Major Activities and Achievements**

The college was ranked as 53rd in the Colleges category amongst the 1087 institutes in the National Institutional Ranking Framework (NIRF). It holds the overall score of 49.85 with a high score of 67.43 in the parameter Outreach and Inclusivity. The Silesian University, Faculty of Sciences and Philosophy, Opava, Czech Republic and college has agreed upon international faculty exchange program for the period of three years. College has got the approval to have Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME) -DI, New Delhi. The first UGC, DBT and CSEC sponsored National Faculty Development program on “Recent Trends in Applied Science Teaching (FDP-RTAST)”, was held from 21 – 27 July 2017. National Para-teaching Staff Skill Enhancement Workshop (PTSSEW 2017) from 15 to 21 December, 2017; jointly sponsored by IEEE Delhi chapter, UGC and DBT Star College Scheme.

### **Honors/distinctions**

Dr. Payal Mago, Principal

- Awarded the Girl Centric Education and Training Award under World Women Summit 2018 organised by Women's Agency for Generating Employment on the occasion of the International Women's Day, 8 March 2018 along with 5 teachers (Dr. Ranjana Singh, Dr. Punita Saxena, Ms. Preeti Singhal, Dr. Jasjeet Kaur and Dr. Bimla Pawar) and 5 students (Tania Chopra, Anu Sardana, Vaishali Chhabra, Khushboo and Vatika Singh)
- Received 33rd Dr. S. Radha Krishnan Memorial National Teacher Award 2017 from Freelance Journalist & Writers of India on 3 September, 2017
- World Environment and Livelihood (WEAL) Award from World Clean Environment Summit organized by (NICER) on 5 – 6 June, 2017
- Received Lifetime Achievement Award from Women's Agency for Generating Employment presented on 8 March, 2017

Dr. Varsha Mehra, was conferred the Meritorious Teachers Award by the Govt. of NCT of Delhi, Delhi for the year 2017-18.

### **Students with Distinctions**

Aayushi Kalra, B.Sc(H) Biomedical Sciences

Deepti Sharma, B.Sc (H) Computer Science

Honey Tyagi, B.Sc (H) Electronics

Kritika Agarwal, B.Sc (H) Food Technology

Roopal, B.Sc (H) Instrumentation

### **Publications (selected) Total no. - 48**

Chaudhary, N., Mehra, V., Mago, P., Khatri, M. (2017) Antimycobacterial Potential of Indian Spices: A Review. International Journal of Pharmacognosy and Phytochemical Research, 9(8), 1127-1134.

Chawla, S. (2018) A novel approach to effective web information retrieval based on optimization using hybrid of fuzzy set, ant colony optimization and trust. *International Journal of Computer Engineering and Applications*, 12(1).

Kapoor, A. (2018) “Low-Resolution Image Recognition using Cloud Hopfield Neural Network.”, *International Journal Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing* (563), Springer. 2018.

Kaur, J. (2018) Oil red O reagent for Detection of Latent Fingermarks: A review. *Egyptian Journal of Forensic Sciences*, 8.

Mehra, V., Khatri, M., Mishra, S., Singh, N., Sharma, N., Goswami, R., Mehta, N., Samanth, N., Gaur, H., Jaiswal, A., Kothari, P., Chopra, P., Sarbhai, A., Singh, R., & Goel, S. (2018) Assessment of Anti-diabetic and Anti-oxidant activity of *Murraya Koenigii* extracts using in-vitro assays. *Journal of Biomedical and Therapeutic Sciences*, 5(1), 1-8.

Mehra, V., Khatri, M. (2018) Diabetes: The next epidemic? *International Journal of Life Sciences*, 6(2)

Negi, B., Poonan, P., Ansari, M. F., Kumar, D., Aggarwal, S., Singh, R., Azam, A., & Rawat, D. S. (2018) Synthesis, antimicrobial activity and docking studies of metronidazole-triazole-styryl hybrids. *European Journal of Medicinal Chemistry*, 150, 633-641

Saxena, P., Jain, S. (2017) Estimation of phenolic content, flavanoid content, antioxidant activity and alpha amylase inhibition activity of Pomegranate (*Punicagranatum*) and Kinnow (Hybrid of *Citrusdelicosa*) peels. *World Journal of Pharmaceutical Research*, 7(2), 817-826.

Singh, N., Kapoor, A. (2017) Lifecycle of Butterfly and True Nature of Things. *Bodhi-Path* 13, 27-29.

Yogesh Pratap, M. Kumar, Sneha Kabra, S. Haldar, R. S. Gupta and Mridula Gupta. (2017) Analytical Modeling of Gate-All-Around Junctionless Transistor based Biosensor for Detection of Neutral Biomolecule Species. *Journal of Computational Electronics*, 17 (1), 288-296.

#### **Number of college teachers serving as Editor(s)/ Members of Editorial Board -3**

##### **Research Projects**

SERB (DST) funded Project entitled “Modeling, Simulation and development of AlGaIn/GaN HEMT based lactic acid and Uric acid biosensor for clinical research” for Rs 28,60,990 (2017-2020)

SERB (DST) funded Project “Isolation and characterization of *Asaphotodendron indicum* constituents for anti-mycobacterial activity against *Mycobacterium tuberculosis* in vitro and ex vivo within human macrophages” for Rs. 23,38,000 ; ( 2015- 2018).

##### **Seminars Organized**

Seminar on “Modern Science and Indian Culture” delivered by Dr. S. C. Goswami, Retd.. Professor, Dyal Singh College on 26 February, 2018.

Seminar on “Career Awareness and Emerging Trends in IT industry” delivered by Mr Vishal Isaac, Assistant Consultant at TCS iON Digital Hub at Chennai 16 February, 2018.

Seminar on “Career Counselling” delivered by Mr. Abhijit, IMS, October 10, 2017.

Seminar on “GST and IFRS” delivered by Kamal Garg, CA, fellow member of ICAI on 8 January, 2018.

Seminar on “Decoding the Budget” by Dr. Kumar Bijoy, Head, Department of Management Studies, SSCBS on, 13 February, 2018.

Seminar on “Relevance of Ethics in Modern Life” by Swami Chidrupanand Ji, Chinmaya Mission on 26 February, 2018.

##### **Conferences/ Workshops organized**

The first UGC, DBT and CSEC sponsored National Faculty Development program on “Recent Trends in Applied Science Teaching (FDP-RTAST)”, was conducted by the college from 21 to 27 July 2017.

One week Para teaching staff skill enhancement Workshop (PTSSEW) was jointly sponsored by IEEE Delhi chapter, UGC and DBT Star College Scheme from Dec 15th to 21st December, 2017.

Three- Day workshop on “Next Generation Sequencing Data Analysis” from in collaboration with Bio-Discovery Group from 5th – 7th July, 2017.

Two days workshop on Drug Discovery Technology: Computational approaches in drug discovery & design was organized by Department of Biomedical science in association with Bio discovery group 18 to 19 January, 2018.

A workshop entitled “Wonders of Science” was organized for students of government Schools of East Delhi on 17th - 18th May, 2017. Hands on exposure were given on practical aspects of basic physical, chemical and biological Sciences

### **Seminars/ Conferences Presentations**

Sadhna Jain presented a paper, “Estimation of phenolic content, flavanoid content, antioxidant activity and alpha amylase inhibition activity of Pomegranate (*Punicagranatum*) and Kinnow (Hybrid of *citrus delicosa*) peels (Poster)”, 5th International Conference on Drug Discovery 2017, India held during 14-15 September, 2017.

Indu Arora presented a paper, 'Gold Nanoparticles Using Extracts Of Spilanthes Achmella Akarkarah' and attended a Workshop on Magnetic Resonance Imaging, Transmission Electron Microscopy, Gamma Scintigraphy, Confocal Microscopy in Conference-cum-Workshop on Molecular Imaging & Drug Discovery (MIDD-2018) organised by J H Institute of Molecular Medicine, School of Interdisciplinary Sciences & Technology, Jamia Hamdard, 26 to 27 March, 2018.

Jasjeet Kaur presented a paper, 'The Forgotten Indian Pioneers of Fingerprint Science' at the Conference on "Emergence of Modern Science in Colonial India", Indian National Science Academy, New Delhi held during 14 to 16 March, 2018.

Deepali Bajaj presented a paper, 'Identifying Requirements for Big Data Analytics and Mapping to Hadoop Tools' in 5th International Conference on Computing for Sustainable Global Development (INDIA COM 2018) conference, Bharti Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India during 14-16 March, 2018.

Amita Kapoor, presented a paper, “Impact of Artificial Intelligence on Business”, Digital Innovations, Transformation, and Society Conference 2018 (Digits 2018), jointly organised by Birla Institute of Management Technology (BIMTECH), India and University of Maryland, USA at India Habitat Centre, New Delhi, India on 13 to 14 January, 2018.

Amita Kapoor presented a paper, “Metta a pathway to Global Peace”, 17th Annual conference of Indian Society for Buddhist Studies, 2017.

Sneha Kabra presented a paper, 'Performance analysis of metalloid source/ drain GaAs FinFET for analog/RF applications' at IEEE 4th International Conference on circuits, devices and systems organised by Karunya University, Coimbatore from 16 to 17 March, 2018.

Punita Saxena presented a paper, 'Benchmarking State Road Transport Undertakings of India: A DEA-based stepwise approach' in the 9th International Conference on "Applied Operational Research", held at Chung Yuan Christian University, TAIWAN from 18-20 December, 2017.

Projes Roy presented a paper, “NFC and RFID Interoperability: Challenges and Opportunity in Libraries”, NCCDLSE-2018 National Conference on “Changing Digital Landscape in SMART Environment” Anasal University, Gurugram, Haryana, on 8 February, 2018.

### **Other Inter Institutional Collaborations**

Robotics club was established in the college in collaboration with IIT Bombay's E-YANTRA Project in 2014-15 is running successfully till date.

The Education tree

FinX SSCBS

MarkIT SSCBS

### **Placement Detail**

Number of students placed = 41(90%)

Number of companies visited for campus recruitment = 11

### **Extensions and Outreach Activities**

The Department of food technology has organized an outreach activity on “Basic food handling and storage” for housekeeping and canteen staff on 26 May 2017 with an objective to make them aware about the importance of basic food handling, hygiene, storage and impact on health. A group of four students of M.Sc. (F) Forensic Science, Department of Anthropology, University of Delhi completed training of 5 weeks at Department of Instrument from 17 January to 20 February 2018. Digital Empowerment for Homemakers (DEH) programme was started in January 2017 at the College and presently running in its phase II. The objectives of this initiative are to digitally literate non working women of all age groups and enable them to acquire basic ICT skills. The department of Mathematics this year started a project called “Utthan” which means upliftment. The objective of this project is to encourage and help girls of economically weaker sections of the society to study Mathematics.

### **Library Developments**

Books: Rs. 7,44,868.70

Journals : Rs. 950.00

Non-recurring : Rs.98,900.00

Number of Books added : 969

### **Faculty Strength:**

Total number of faculty = 71

### **Financial Allocation and Utilization**

Grant Sanctioned: Rs. 12,31,96,094/-

Grant utilized: Rs.13,50,19,244/-

### **Other Significant Information**

Six new courses namely Bachelor of Management Studies, Bachelor of Business Administration FIA, B.A.(H) Psychology, B.Sc (H) Biochemistry, B.Sc.(H) Microbiology and B.Sc. (H) Statistics were started in academic session 2017-18. The college in association with CISCO systems is running CISCO Networking Academy since 2002. The Academy offers CCNA (Cisco Certified Network Associate) certification and various other exploratory courses. This year our academy won the “Best Performing Academy Exploratory Courses -2017” award for excellence in conducting IoT exploratory course. College collaborated with Translational Health Science and Technology Institute (THSTI), an Institute of the Department of Biotechnology, Government of India, under prestigious Science Setu Program, which acts as a bridge between research institutes and undergraduate colleges. College participated in the 14th National Youth Parliament Competition for Universities and Colleges by conducting a parliament session on 15th Sep 2017.

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## **SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES**

### **Major Activities and Achievements**

The student placement has been highly successful with the highest package offered INR 17 Lakhs p.a. and average package being INR 6.3 lakhs p.a. SSCBS Innovation and Incubation Foundation (SIIF) has run 4 cohorts for evaluation of business ideas through a very stringent process, and has approved of 27 ideas for incubation. To incubatees, SIIF provides regular mentoring, progress reviews, networking with industry / entrepreneurs, funding support, forums, investors etc. The college organized a Start Up Fest, a first of its kind, that served as a platform for young entrepreneurs to exhibit their innovations to investors, NGOs and Start up facilitators. Faculty development through conferences and workshops has been enhanced. The Enactus SSCBS team were declared as the Enactus World Cup Champions 2017 and got the honor to share their achievement and meet The Honorable President of India, Shri Ram Nath Kovind.

### **Students with Distinctions**

Ifra Hussain, BBS III secured First position in the college.

Ravtej Singh, BBA(FIA) III secured First position in the college.

Bhoomika Panwar, B.Sc. (H) III Computer science First position in the college.

Manish Kumar Bhardwaj, B.Tech C.S IV secured First position in the college.

### **Publication (selected)**

Aggarwal, A., Chakaravarthy, V.T. Gupta, N. Sabharwal, Y. Sharma, S. Thakral, S. (2017) "Replica Placement on Bounded Treewidth Graphs", in Algorithms and Data Structures Symposium, WADS 2017, July 31-August 2, 2017, St. John's, NL, Canada, 13-24.

Gupta, S., Mittal, S., Gupta, T., Singhal, I., Khatri, B., Gupta, A. K., Kumar, N. (2017) Parallel quantum-inspired evolutionary algorithms for community detection in social networks. In Applied Soft Computing, Volume 61, 2017, Pages 331-353, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2017.07.035>.

Jaggi, C.K., Jain, R., Verma, M. (2018) Impact of demonetization on supply chain in Indian context, AIMS International Journal of Management, 12(1), 1-10. Kalsie, A., Arora, A. (2018). Analysis of Merger and Acquisition Deals of Major Indian Banks: An Event Based Study. *Effulgence*, 16(2), 82- 120

Kumar, N., Jaiswal, A. (2018) Effect of Varying Training Images on Performance of Face Recognition: A Study. *International Journal of Engineering Research in Computer Science and Engineering*, 5(2), 236-239.

Sushmita, "Retail Banking in India: A New Perspective", Research India Publications, ISBN 978-93-87374-42-3, 2018

Sushmita, Kumar, A., (2018) "The Trade-off between Behavioural Economics and Financial Literacy", AMAR: *An Inter-disciplinary Journal*, ISSN 23481323, 2018

### **Number of college teachers serving as editor(s), Member(s) of Editorial Board 02**

#### **Research Project**

Dr Abhishek Tandon, project funded by ICSSR, MHRD (2018), A Study on Consumerism, Market Competition in Digital Era. for Rs 7,52,500/-

#### **Seminars Organized**

Scientific Computing using Python in cooperation with FOSSEE, IIT Mumbai, Jan 2018.

Programming with Python in cooperation with FOSSEE, IIT Mumbai, Jan 2018

Mr Kishore Garg Regional Manager, 3X3 Connect Microsoft Tools in Workshop by Microsoft under Project Saksham, 28-29 Nov 2017

Mr Sanjeet Kumar, Asstt Commissioner CGST & CXGST on GST, Jan 24, 2018

#### **Conferences Organized**

National Business Seminar- Convergence was organized on 16-17 Oct 2017.

International Conference on Information Technology and Knowledge Management (ICITKM-2017), 22-23 Dec 2017.

Raahat Sanitation Conference was organized on March 22, 2018.

Delhi University Model United Nations was organized on 23-25 March 2018.

#### **Seminar/Conference Presentation**

Ashima Arora presented a paper, 'Private Equity: An Analysis of PE Players in Few Indian Companies' in International Conference on Paradigm Shift in World Economies: Opportunities and Challenges held in 2017.

Sonika Thakral presented a paper, 'Replica Placement on Bounded Treewidth Graphs' in WADS 2017 held at St. John's, NL, Canada during 31 July 31 to 02 August, 2017.

Ashima Arora, presented a paper, 'When the economies jitters, bitcoin flutters : Evidence from the impact of macroeconomic factors on the returns of bitcoin' in International Conference on "Strategies in Volatile and Uncertain Environment for Emerging Markets" held at Delhi: IIT, Delhi during 14 to 15 July, 2017.

Ashima Arora, presented a paper, 'Impact of Corporate Governance on Financing Pattern of Outward Foreign Direct Investment by Indian Family Firms' in 3rd Annual Conference of International Corporate

Governance Society titled "Balancing Value Creation with Stakeholder Accountability" held at Rome, Italy: LUISS Business School, during September 2 to 3, 2017.

Dr Sonika Thakral, presented a talk on 'Women in Computing' at the Annual Event of ACM-W celebrations, organized by ABES Engineering College held on 28 Oct 2017

### **National/ International MoU signed**

MoU with Indian companies/ Industry

BSE for running the FMAT (Financial Modeling and Algo Trading) course.

NSE for running the NCCMP (NSE Certified Capital Markets Professional) Course

Chartered Institute of Management Accountants (CIMA)

### **Placement Details**

Number and percentage of students placed: 137 placed out of 187 registered (73.26% placed)

Number of companies visited for campus recruitment: 68

### **Extension and Outreach Activities**

The Enactus chapter at the college is undertaking 3 social entrepreneurial projects- Project Raahat, Project Udaan and Project Khidki. Project Raahat works in the area of developing mechanism for sensitization and monitoring the usage and compliance of Govt norms in the Community toilet complex (CTC) in urban slums with the aim of eradicating open defecation. Project Udaan works in the area of ewaste management and digital literacy in villages. Project Khidki is a project working closely with Anganwadis in Delhi to tackle the problem of malnutrition among children. As part of the above initiatives the college team regularly works with Govt agencies, health and medical agencies and NGOs and conducts sensitization camps, hygiene camps, pregnancy and menstrual awareness camps, eye check camps and financial literacy camps in villages and urban slums.

### **Library Development**

The total number of books in the library is 21,412. In addition, the library subscribes to 52 magazines and journals of national and international repute and 13 national and business newspapers. The library has access to electronic resources i.e. Electronic Journals, Reports, and Case Studies through Delhi University Library Network includes 02 Federated/Common Search Engines namely JCCC and Knimbus, 10 Reference & Citation Sources, 06 Bibliographic Sources, 02 Citation Analysis Resources namely, Scopus and Web of Science and other full text databases in the field of Management Studies and Computer Science etc. The library has an Institutional membership of Developing Library Network; N-LIST (National Library and Information Services Infrastructure for Scholarly Content) and NDL (National Digital Library). This year, the library added 671 textbooks and reference books for an outlay of ₹ 3,63,075/- , 52 periodicals for ₹ 1,42,004/- and 13 newspapers for ₹ 20,481/-. On the electronic front, the library spent ₹ 11,500/- and ₹ 5,900/- to subscribe to digital databases, DELNET and N-LIST respectively.

### **Faculty Strength**

Total number of Permanent faculty = 35

Total number of Ad Hoc faculty = 11

### **Financial allocation and Utilization**

Grant sanctioned Rs. 12,21,71,920.00/-

Grant utilized Rs. 10,34,45,477.00/-

### **Other significant Information**

The college is in the process of seeking approval for introducing two new courses at the undergraduate level in BBA (Entrepreneurship) and B.Sc. (Operations Research). It has also been working at increasing the strength of intake for its B.Sc (Hons) Computer science course.

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## SHIVAJI COLLEGE

### Major Activities and Achievements

Shivaji College, accredited with grade 'A' by NAAC and ranked among top 10 Science colleges by the survey conducted by India Today. The college champions the cause of gender sensitization and to continue the legacy, conferred the Jijabai Achievers Awards to women from various fields across India. Smt. Smriti Zubin Irani the then Hon'ble Minister of Information and Broadcasting & Minister of Textiles, presented the awards and released the book "The Change Makers" that chronicles the life journey of nine exceptional women with iconic vision and endurance. The Entrepreneurship Development Cell was launched by the college which works towards motivating students to be job creators and imparts entrepreneurial skills. The college has a unique academic audit committee which helps in evaluating performance and progress of the departments and carves a road map for growth. The faculty published 69 research papers in journals of repute and 18 books, contributed 15 chapters in various books.

### Honors /Distinctions

The College was awarded "Green Campus Award" by Women's Agency for Generating Employment for its tireless efforts in this direction in 2017-18.

Dr. Shashi Nijhawan, Principal, Shivaji College was awarded the 'Girl Centric Tertiary Education and Training Award' by Women's Agency for Generating Employment on the occasion of the International Women's Day this year on March 8, 2018.

Dr. Shashi Nijhawan was conferred with "Best Indian Educationist Award" for contribution towards welfare of people by Friendship Forum on November 17, 2017.

Dr. Shashi Nijhawan received 'Environmental Education Promotion Award' from National Institute of Cleanliness and Research' (NICER).

Dr. Darshan Malik was conferred with "Bharat Vikas Award 2017": Towards working on 'Bioremediation' by Institute of Reliance at Bhubaneswar on November 19, 2017.

Dr Tejbir Rana was honoured with 'Meritorious Teacher Award' by Govt of NCT , Delhi with an award of Rs. One Lakh (2017-18).

Dr. Reetika Rana was awarded Academic Fellowship financed by Dutch Ministry of Foreign Affairs for a study programme on "Food Security in Urbanizing World" (September 4-15, 2017) at the Wageningen Centre for Development Innovation, The Netherlands.

Dr. Jyoti Sharma received "Sahitya Sarita Samman" during the 7th International Conference at Amrita Shergill Kala Kendra, Embassy of India, Budapest, Hungary by the Ambassador Mr. Rahul Chabra for International contribution in the field of language, literature and history of South Asia on June 7, 2017.

Dr. Khurshid Khan received the 'Scholarship in Indian Sufism' for creative activities to cultivate peace among all people in India by The Islamic Studies Association, New Delhi, on January 27, 2017.

Dr Rajinder Singh Successfully completed NCC Training Course at OTA, Kamptee (Nagpur) and got commissioned as Lieutenant. Also awarded with Director General's Baton and Gold Medal in Senior Division for overall excellent performance during the course.

### Students with distinctions

Mohit Ballara B. A. Prog. 1st Yr and Yogesh Dagar, M.A. Hindi 1st Year received 1st prize in Inter College wrestling competition organized by Delhi University Sports Council.

Nishtha Sethi, student of B.A. (H) Economic secured 2<sup>nd</sup> Prize in Rendezvous with Policy and Governance at IIT Delhi and a cash prize of Rs. 2000.

Harkirat Kaur, student of B. Sc (H) Physics secured 1<sup>st</sup> position in National Graduate Physics Exam (NGPE) organized by All India Physics Teachers Association (AIPTT) in January, 2018.

Rohit Kumar Maurya, student of B.A. (H) Economics received Best Cadet Award in National Integration Camp held in Delhi in November, 2017 and awarded NCC 'C' Certificate completion in the year 2017-18.

Maneshwar Dixit, Ayush Ganguli and Rohit Soni students of B.Sc. (H) Biochemistry won Consolation prizes in Innovation research project presentation in the "Lab to Life: A Symposium on Translational Science" organized by the Biochemical Society of Department of Biochemistry, Sri Venkateswara College on the topic Use of "*Nyctanthes arbor-tristis*" for medicinal treatment on February 15-16, 2018

## **Total Publications**

- M. Yadav, D. Yadav *et al.* (2017) Spectrum of ENT Emergencies at a Tertiary Care India. *Journal of Medical Science and Clinical Research*. 05(11): 29833-29837.
- Pandey, D. (2017) Amritlal Nagar krit yugavtar: Kathya ki Padtal aur Prasangikta. *International Journal of Academic Research and Development*. 2(3): 388-390
- Singh, R. (2017) Demonetisation in India: Expectations and Effects so Far. *International Journal of Applied Research*. 3(6): 619-621.
- Singh, M., Singh, S., Inamuddin & Asiri, A.M. (2017) IFT and friccohesity study of formulation, wetting, dewetting of liquid systems using oscosurvismeter. *Journal of Molecular liquids*. 244: 7-18
- Malik, D. & Srivastava, A. (2017). Molecular characterization of fluorescent bacteria antagonistic against Turicum leaf blight. *Journal of Biotechnology and Crop Science*. 6(8): 82-85
- Wardhan, R. & Nain, L. (2017) Milk Borne Pathogens: Isolation and Identification Health Risk to Population, Especially Young Ones. *International Journal of Applied and Physical Sciences*. 3(1):13-18.
- Jaiswal, A. K., Giri, N. G., Jaiswal, A. K., Samal, N., Sharma, P., Millo, T. & Gupta, S. K. (2017) Forensic applications of IR/FTIR. *Journal of Forensic Chemistry and Toxicology*. 3(1): 39-68.
- Priyanka, K., Trisandhya, P, and Mittal, R., (2018) Analysis of Exponential Product type Estimators with Embedded Imputation Techniques on Successive Occasions. *International Journal of Mathematics and Statistics*. 19(1): 19-40.
- Kant, N., Kulshrestha, P., Singh, R., Mal, A., Kumar, S., Tehlan, M., Dwivedi, A., Mehra, R., Ahuja, R., Kaushik, S. & Ahmed, P. (2018) Prevalence of Brucellosis and awareness of its spread. *DU journal of Undergraduate Research and Innovations*. 3(1):43-49.
- Mishra, A.K. and Mishra, P.K. (2018) Spatio-temporal Analysis of Demographic Characteristics: A Case Study of Samastipur District, India. *American Research Journal of Humanities and Social Sciences*. 4: 1-14.
- Khan, K. (2017) Women in the malfuzat of the Early Chishti Shaikhs of Fourteenth Century Delhi. *BSS Journal of Social Work*. 8(1): 76-97.

## **Journals published by College**

Chopra A., Rana R., Sharma P., Bhavnani., and Saxena P. The Change Makers, a Coffee Table Book: (2018), Shivaji College [ISBN 978-93-83848-43-0]

## **Research projects**

Funded by SERB, 2016-19 (Rs. 19,08,100) 'Design and Analysis of sensitive characteristics on successive occasions and their applications' (MRP No. MR/2016/000455) [Dr. Kumari Priyanka]

Funded by ICSSR (Rs 6,00,000) 'Indigenous Ecological Knowledge for Soil, Water and Nutrient Conservation in Sikkim Himalaya' [Dr. Prabuddh Kumar Mishra]

Funded by University Grants Commission (Rs. 4,25,000) 'Studies on Mercury Contamination of Surface and Ground Waters in and around Delhi and its Bioremediation' MRP No. [ROMRP- NRCB-ENVI-2015-2016-38705][Dr. Vijay Kumar]

Funded by Department of Biotechnology, Government of India (Rs. 8,00,000) 'To record the seasonal variation of invertebrate biodiversity in Riparian zone of the Yamuna River in Delhi-NCR region by using foldscope as a research tool'[Dr. Sunita Gupta, Ms. Nimita Kant & Dr. Parul Kulshreshtha]

## **Seminars Organised**

Prof. Kavita Sharma, Head & Dean, Department of Commerce, Delhi School of Economics, University of Delhi delivered a talk on "Green Jobs" March 15, 2018

Dr. Manu Anantapadma, Scientist, Texas Biomedical Research Institute, USA; delivered a talk on "Developing drugs to combat highly pathogenic viruses: lesson from anti Ebola virus drug development" February 28, 2018

Prof. M. R. Shenoy, Professor, IIT Delhi delivered a talk on "Semiconductor Opto Electronic Devices: A Perspective" on October 27, 2017



Prof. Makarand R. Paranjape, Professor, Centre for English Studies, Jawaharlal Nehru University delivered a talk on “Indo-Sino Relations: Social, Political and Cultural Ramifications” on October 10, 2017

Prof. K.S. Rao, Professor and Head, Department, Botany, University of Delhi, delivered a talk on “Climate Change: Past, Present and Future Implications” on September 1, 2017

### **Conferences Organised**

CSIR Sponsored National Conference on Current & Future Perspectives in Nanotechnology: “Nanoworld-2018” on April 12-13, 2018.

Annual Gender Fair by Women Development Cell in collaboration with UN Women on the theme ‘Redefining Womanhood- Inspire, Empower, Act!’ on January 30-31, 2018

Two-day Faculty Development Program organized by Department of Hindi on “CBCS Pathyakram: adhyayan ke sandarbh evam paddhtiyan” on January 19-20, 2018

National Entrepreneurial Summit was organized by Entrepreneurial Development Cell on January 11-12, 2018

### **Seminars/Conferences Presentations**

Dr. Darshan Malik, ‘Psychotherapy: Talking Therapy for Mental Illness’ in the International Conference entitled “Role of Arts, Culture, Humanities, Religion, Education, Ethics, Philosophy, Spirituality and Science for Holistic Societal Development” on March 19, 2017 at Jawaharlal Nehru University, Delhi.

Dr. Rashmi Wardhan, & Dr. V Prabhavati. ‘L asparaginase an antitumor agent: Identification from various microorganisms’ In Proceedings of 4<sup>th</sup> International Conference on Science and Arts of Holistic Health: Issues, Challenges, Opportunities, Prevention and Awareness, Holistic health 2017, organized by Krishi Sanskriti Publication and Dr. G. C. Mishra education foundation on February 25, 2017 in Jawaharlal Nehru University, Delhi.

Dr. Shilpa Jain. Extended release of Venlafaxine Hydrochloride using montmorillonite based excipients as a delivery vehicle” at the III<sup>rd</sup> International Conference on Clinical Sciences and Drug Discovery (CSDD 2017), Washington D.C, USA from November 9-11, 2017.

Dr. Leisangthem Gitarani Devi “Inside the Womb: Reading the ‘Home’ in the Short Stories by Contemporary Women Writers of Manipur” at the 10<sup>th</sup> International Convention of Asia Scholars held from July 20-23, 2017 at Chiang Mai, Thailand.

Dr. Darshan Pandey: International seminar titled: “Sant kaviyon ke kavya mein Samrasta ka swar” at Kendriya Hindi Sansthan Agra on January 27-28, 2018.

Dr. Ruchira Dhingra “Hindi Krishan Bhakti Kavya Par Purano Ka Prabhav” presented in two day International Seminar “Bhakti Kaleen Kavita Bhartiya Sanskriti Ke Vividh Aayam” organised by P.G.D.A.V College (Evening), University of Delhi on November 2-3, 2017.

Dr. Amarjiv Lochan ‘The Chams of Champa: Safeguarding the vestiges of Early Indic influenced Society in Vietnam at the International Seminar on “Joint Civilizational Heritage of Vietnam and India - Champa Civilization, and the Shared Links of Hinduism and Buddhism”, organised by the Govt of Republic of Vietnam held at Danang, Vietnam on August 25, 2017.

Dr. Parul Behl; ‘Analyst Recommendations and their corresponding impact on stock performance’, in the 10<sup>th</sup> Doctoral Thesis Conference organized by IBS Hyderabad on April 20-21, 2017.

Dr. Sonali Garg “Premashram as History: Postcolonial Perspectives on the Indian Peasant” at the National Conference on Postcolonialism: Indian Response and Transformation at Amity Law School, Noida, on August 22-23, 2017. The paper had been adjudged and awarded as the “Best Research Paper”.

Dr. Deepika Yadav: “Syndrome X: A Peril to Human Health”, during Global Cardio Diabetes Conclave Chennai 2017 held on September 29–October 1, 2017.

### **National/ International MOUS signed**

MOU with Mahidol University, Thailand.

MOU with Centre for Health and Social Justice, Menengage, Delhi

MoU with Azad Foundation, Delhi

SOI with NITI Aayog, Govt of India.

MOU with Alliance India

MOU with FLO (FICCI Ladies Organization)

### **Placement Details**

Number of students placed: 100 in companies and 167 for internship

Number of companies visited for campus recruitment: 30 for placement & 30 for internships

### **Extension & Outreach Activities**

Leaders for Tomorrow" (LFT) unit of Shivaji College organized activities such as a plantation drive, a collection drive for collecting clothes, books etc., visit for compassion to distribute donated material to under privileged children, to distribute sweets to underprivileged people during the festivals of Diwali and Holi. The NCC team conducted a tree plantation drive and they pledged to maintain cleanliness under the rally Swachhata Pakhwada, to spread awareness in the neighborhood about the importance of cleanliness. The NSS volunteers organized various activities throughout the year such as providing better quality education for under privileged children, awareness Campaign against use of Plastic, ill-effects of alcoholism. The College has extended the best support to the campaign "Rally for Rivers". In this campaign, a nationwide plantation drive is being organized, in which they ask people to plant trees in a range of 1km area adjoining our main rivers. The NSS volunteers worked really hard to raise awareness and deliver this message to as many people as possible. To achieve this aim, the students first circulated the posters and requested people on social media to give a missed call on 8000980009; they then campaigned in the college and had a one-on-one interaction with people. To throw some light on the issue of "old age and old age homes", National Service Scheme, Shivaji College organized a screening of the Bengali documentary "Solitary Soul" on September 26, 2017 followed by an interactive session with the Movie director Mr. Sourav Sarkar. He discussed various factors due to which the old were not able to live with their kids and how the concept of old age homes is still seen as a negative in the society.

### **Library Development**

Total budget allocated for library was Rs. 20,85,000 and 1894 books were added in this session.

### **Faculty Strength**

Total number of Permanent faculty: 106

Total number of Ad-hoc faculty: 98

### **Financial allocation & Utilization**

Grant Sanctioned: Rs. 48,98,77,330/-

Grant Utilized: Rs. 42,63,77,944/-

### **Other Significant Information**

In the academic session of 2017-18, Shivaji College has achieved various milestones during its journey to success. With the objective of clean, green and pollution free campus, the College maintains a vehicle and smoke free campus, with a paper recycling unit, practices rainwater harvesting techniques, carries out vermicomposting, and also maintains a herbal garden with plants of medicinal value. The College has solar power panels (SPP) on the rooftop for the production of green energy and making the campus self-sufficient in power generation and reducing carbon footprint.

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## **SHRI RAM COLLEGE OF COMMERCE**

### **Major activities and achievements**

In addition to the ongoing programmes, this year a value added lecture series titled 'Internal Quality Assurance Cell Faculty Lecture Series on Contemporary Topics' covering topics like Bitcoins and Data Analytics amongst others was initiated by the College. To expand the frontiers of research in the academic community, the College organised a Seven Day and a Two Day 'National Workshop on Research Methods' in November, 2017 and March 2018 respectively. A number of workshops, seminars and lectures for students as well as teaching and non-teaching staff were organized to broaden their horizons of learning.

The College also expanded its institutional social responsibility by undertaking several new extension activities and projects at state and national level. Similarly, twenty-two international programmes were organised by the Office of International Programmes of the College. Student athletes brought 79 Gold Medals, 54 Silver Medals and 23 bronze medals at various individual and team sports events held at University, National and International Level.

### **Honours/ Distinctions**

Ranked Number 1 College for Commerce by “India Today Survey” on India's Best College 2018.

Ranked Number 1 College for Commerce by “The Week-Hansa Research Survey 2018” on Best Colleges in India.

### **Publications**

Rustagi, R.P. (2017) *Fundamentals of Financial Management*. Delhi: Taxmann Publications.

Chadha, R & Chadha, S. (2018) *Corporate Laws*. New Delhi: Mayur Paperback

Ahuja, G., & Gupta, R. (2017) *Systematic Approach to Income Tax*. New Delhi: Flair Publications.

Deepashree. (2018). *Macroeconomics*. New Delhi: Scholar Tech Press.

Jawa, R., Kumar, H., & Athili, N. (2018) *E-Marketing* (2nd ed.). Delhi: Singhal Publications.

Kumar, Anil, et.al (2017) *Auditing & Corporate Governance*. Delhi: Taxmann Publications.

Thukral, J. K. (2018) *Linear Algebra*. New Delhi: Maximax Publishing House.

Prakash, S. (2017) *Principles of Marketing*. ISBN 978-93-272-2372-9.

Jain, V., & Taneja, R. (2018) *Entrepreneurship*. Delhi: Singhal Publication.

Phurvey, A.K. (2017) *Banking & Insurance*. New Delhi: A.K. Publications

### **Journals Published by the College**

Business analyst: Bi-annual Research Journal

Strides: Students Research Journal

**Number of college teachers serving as Editor(s) /Member(s) or Editorial Board: 14**

**Research Projects: 1** (Research cum Training Project)

### **Seminars Organized**

Digital Workshop in collaboration with Ministry of Electronics, Govt. of India.

Lecture Series on “GST Implementation: Implications on Federal Fiscal Relations in India” in collaboration with Department of Economic Affairs, Ministry of Finance, Govt. of India.

Seven-day National Workshop on “Research Methods and Contemporary Economic Issues (November, 2017).

Two-day National Workshop on Research Methods (March, 2018).

Seven Faculty Lecture Series on Contemporary Issues organized by IQAC spread over January to April 2018.

### **Conferences Organized**

National Symposium on Dimensions of Quality in Higher Education in Contemporary Times on November 11, 2017

GBO Global Business Summit 2017 on the theme of “Innovation for Sustainable Development” on April 22, 2017 at Regal Hall, The Lalit, New Delhi.

GBO Global Business Summit 2018 on the theme of "India: The Emerging Global Leader" on February 24, 2018 at Gulmohar Hall, India Habitat Centre, Lodhi Road, New Delhi.

### **Seminar/Conference Presentations:**

Dr. Mallika Kumar participated as a Resource Person & Moderator for the Open forum on UN SDGs & Campus Cooperatives at The Global Youth Workshop organized by International Cooperative

Alliance(ICA) Youth Committee in partnership with European Union at Kuala Lumpur, Malaysia held on November 13, 2017.

Dr. Surya Prakash presented paper titled ‘Sustainability of Business: A Marketing Perspective’ at 4th International Conference organized by CMAI and Lyceum of the Philippines university, Manila, Philippines at Manila, Philippines held between February 2-4, 2017.

Dr. Surya Prakash presented paper titled ‘Holistic Marketing: An Approach to Business Excellence and Growth’ at the 5th International Conference organized by CMAI and Pegasus International College, Da Nang, Vietnam at Da Nang, Vietnam held on 25-27 January 2018.

Dr. Astha Dewan presented a paper titled ‘E-business and its Impact on Supply Chain Management’ at International Conference on Humanities and Social Sciences (ICHSS) 2017 organised by University of Peradeniya, Kandy, Sri Lanka on July 28-29, 2017.

Dr. Shikha Makkar received Best Paper Award for paper titled ‘Development and Validation of a Spirituality Measurement Scale’ presented at the Third International Research Conference organised by International Association of Research and Development Organization held on July 16, 2017.

Ms. Priyanka Aggarwal presented a paper titled ‘CSR & Sustainability Reporting in India: A Comprehensive Study of Top Listed Companies’ at International Conference on Research and Business Sustainability, jointly organized by IIT Roorkee, India, Sheffield Business School, UK and Waikato Management School, New Zealand held on December 16-17, 2017.

### **National / International MoUs Signed**

Research, Consultancy and Training MoUs (For Faculty, Students and Admin): National Memorandum of Understanding signed with Sri Aurobindo College of Commerce and Management, Ludhiana, Punjab, affiliated to Panjab University, Chandigarh

International Memorandum of Understanding signed with University of Kelaniya, Colombo, Sri Lanka.

Institutional Partnership with Asia-Pacific Research and Training Network on Trade (ARTNeT), an initiative of the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP).

MoU signed SRCC-OIP and Harvard US India Initiative, Harvard College, USA.

### **Other Inter-Institutional Collaboration**

UNESCAP, Thailand: Cultural

Ministry of Youth Affairs, India: Startups

Greenfit: Innovation

Australian National University, Australia: Educational

Melbourne Business School, Australia: Educational

University of British Columbia, Canada: Educational

University of Chicago: Educational

### **Students under Exchange Programme**

**Inbound:** Organized 16 inbound programmes wherein students participated from Penn State University, University of Wolverhampton, Melbourne Business School, Hong Kong University, University of Wisconsin, Tsinghua University, Hague University, etc.

**Outbound:** Organized 6 outbound programmes wherein students went to Utrecht Business School (Netherlands), SRCC-Ministry of Youth Affairs Exchange Programmes 2017 (Portugal), BRICS Youth Summit 2017 (China), Indian Youth Delegation to China 2017, etc.

### **Placement Details**

Number and percentage of students placed: 300

Number of Companies visited for campus

recruitment: 61

**Extension and Outreach Work**

Projects under Centre for Community Engagement-Vittshala, SRCC

Project Khushali (Sonapat, Haryana) for empowering rural communities

Project Sashakt (Rohini, Delhi) for empowering urban slum dwellers

Project Samarth (D.U., Delhi) for making rikshaw puller financially literate

Project Utthan (Kamla Nagar, Delhi) for making hawkers & vendors financially literate

Project Pahal (Himanchal Pradesh) for financial empowerment in hilly areas

Project Sahay (Pitampura, Delhi) for nurturing financial literacy in school children

Project Umeed (D.U., Delhi) for developing financial skills amongst Grade IV employees in University of Delhi

Project Uttara (Uttarakhand) for financial empowerment amongst rural communities

**Projects under Connecting Dreams Foundation, SRCC**

Project Sanjeevani (Delhi) for providing self-sustainability to women

Project Arpan (Delhi) for providing self-sustainability to incense makers

**Projects under ENACTUS, SRCC**

Project Farmers' Market (Haryana) for improving market distribution mechanisms

Project Asbah (A.C.Nagar, Delhi) for providing clean drinking water

Project Virasat (Amritsar) for providing self-sustainability to tatheras

**Projects under National Service Scheme, SRCC**

Project Sanskar (Delhi) for educating underprivileged students from slums

Project Vishwas (Delhi) for providing self-sustainability to differently abled

**Library Development**

For the academic year 2017-18, the SRCC Library has added 1546 books in the fields of business, economics, humanities and social sciences to its collection. The Library has also renewed the annual subscription to Prowess IQ, an interactive querying of the Prowess database maintained by the Centre for Monitoring Indian Economy (CMIE). A separate archive section was also created in the library to preserve and highlight the history of the College. The Library continues to employ the latest Radio Frequency Identification (RFID) and Online Public Access Catalog (OPAC) systems to ensure the best services for the students.

**Faculty Strength**

Total number of Permanent faculty = 60

Total number of Ad Hoc faculty = 68

**Financial Allocation and Utilization**

Grant Sanctioned:Rs. 28.37 Crores

Grant Utilized: Rs. 24.73 Crores

**Other significant information:** Highest package in Delhi University (Rs. 31 lakh offered to one of the student by EY-Parthenon).

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**SHYAM LAL COLLEGE****Major Activities and Achievements**

Under the public lecture series a lecture on “International Business as a Key Research Question for Management Scholars in the US: Challenges and Impact” was organized on 8 August, 2017. The

Commerce Association also organized One-Day Faculty Development Programme on E-filing of Income Tax Return-2 on Excel Utilities on 10 October 2017. IQAC took the pioneer initiative of organizing a one of its kind International Winter School on "Fostering Collaborative Innovations and Solutions for Sustainable Development" from March 3-7, 2018, in collaboration with TUAS, XAMK and University of Turku (Pori Unit), Finland. Dr. KushaTiwari participated as Co-investigator in the International Project funded by CIMO Finland and visited TUAS and XAMK, Finland for a period of two weeks in September 2017. For the first time we participated in the 68th Annual flower show held at University of Delhi and won the first prize in one of the categories.

### **Honours / Distinctions**

Ranked 61 in the MHRD NIRF ranking of colleges in India. The College also received B+ grade in the first cycle of NAAC assessment and accreditation.

Hockey Team become Champion fourth time continuously of Inter College

Hockey Championship and made a history.

Kabaddi Team secured 2<sup>nd</sup> position in Inter College Kabaddi Championship 2017-2018.

Baseball Team secured 2<sup>nd</sup> position in Inter College Baseball Championship and 3<sup>rd</sup> position in Delhi State Baseball Championship 2017-2018.

### **Students with distinctions**

Individual Achievements at National, University, Inter-College & State level:

Mr. Sachin Malik (B.A. Prog 2nd year)

Won Gold Medal in Junior National Judo Championship 2017-2018 in open weight category.

Selected for Delhi Judo Team to participate in National Judo Championship 2017-2018.

Selected for Delhi University Judo team in open weight category to participate in All India Inter-Varsity Judo Championship, 2017-18.

Won Gold Medal in open weight category in Inter College Judo Championship 2017-2018.

Won Silver Medal in below 81 kg weight category in Inter College Judo Championship 2017-18.

Mr. Mritunjay (B.Sc. Physical Science Ist year)

Selected for Delhi Netball Team to participate & Team Won Bronze Medal in All India Inter Zonal Netball Championship 2017-18.

Selected for Junior Delhi Netball Team to participate & Team Won Silver Medal in Junior Netball National Championship 2017-18.

Selected for Delhi Netball Team to participate in Senior National Netball Championship 2017-18.

Selected for Delhi University Netball team to participate in All India Inter-Varsity Netball Championship, 2017-18.

Ms. CheshtaChaudhary (B.Com (P))

Selected for Delhi University Aquatic Team to participate in 1M& 3M Spring Board Diving event in All India Inter –Varsity Aquatic Championship 2017-18

Selected for Delhi Aquatic team to participate in 3M Spring Board diving event in Senior National Aquatic Championship, 2017-18.

Won Silver medal in 3M Spring Board Diving events in Delhi State Aquatic Championship 2017-18.

Won Bronze medal in 1M Spring Board Diving event in Delhi State Aquatic Championship 2017-18.

Mr. Lalit Kumar (B.A.Hons. Hindi Ist year)

Selected for Delhi University Hockey team to participate in North Zone Inter-Varsity Hockey Championship, 2017-18.

Selected for Delhi Hockey Team to participate in Senior National Hockey Championship 2017-18.

Mr. Prashant (B.A. Programme IIIrd year)

Selected for Delhi University Hockey team to participate in North Zone Inter-Varsity Hockey Championship, 2017-18.

Selected for Delhi Hockey Team to participate in Senior National Hockey Championship 2017-18.

### **Publications**

Kar, R.N. (2017) Mergers, Acquisitions and Corporate Restructuring: Strategies and Practices, *Taxmann's*, New Delhi, 2017.

Banik, Arindam, Barai, Munim K. and Suzuki, Yasushi (eds) (2017) "A Sustainable Business Model: Experiences of Indian Micro Enterprises". Towards A Common Future: Understanding Growth, Sustainability in the Asia-Pacific Region, *Palgrave (Macmillan), Singapore*.

Banik, Arindam, Barai, Munim K. and Suzuki, Yasushi (eds) (2017) "India-Japan Cultural Distance on the Mottainai Ethics Towards A Common Future: Understanding Growth, Sustainability in the Asia-Pacific Region, *Palgrave (Macmillan), Singapore*.

Indu Khatri, Arun Goyal, A.K. Singh, Narendra Singh, Man Mohan (2017) "Photoionization of Cl-like Ni XII using relativistic R-matrix close-coupling method" *Canadian Journal of Physics*, 95(11): 1136-1141

Kumar, Sanjeev (2017) "Cultural Stereotypes and Household Behaviour for Girl Child Labour in India" *Journal of Advances and Scholarly Researches in Allied Education* Vol. XIV, Issue No. 1

Tiwari, Kusha. (2018) Critical Perspectives on Toni Morrison. Delhi: *Pencraft International*, 2018.

Kusha Tiwari (2018) Narrative of Liberation: Reading Nadine Gordimer's Post-apartheid Fiction. Delhi: *Research Press India*.

Kusha Tiwari. (2017) "Gandhian Thought and the Gendered Nationalism". *The Quest* 31(2)

Ruchira Gupta (2017) Book Review of River of Fleshed in the December issue of ANIYAJAA *Indian Journal of Women and Social Change* SAGE

Kumbhar, Sitaram (2017) Democracy Deprivation and Rights: Mahatma Gandhi National Rural Employment Guarantee Act, Public Distribution System and Poverty Alleviation in India, *Scholar Publishing House, Delhi*: ISBN:978-81-932035-4-5.

Kumar, Sanjeev. (2017). "Cultural Stereotypes and Household Behaviour for Girl Child Labour in India" *Journal of Advances and Scholarly Researches in Allied Education* Vol. XIV, 1, ISSN 2230-7540.

Kumbhar, Sitaram. (2017). Democracy Deprivation and Rights: Mahatma Gandhi National Rural Employment Guarantee Act, Public Distribution System and Poverty Alleviation in India, *Scholar Publishing House, Delhi*: ISBN:978-81-932035-4-5.

### **Research Projects**

The College has a major International Project on "Responsible Business Professionals For Finland and India Trade" (1st September 2016 – 31st August 2018) funded by The Center for International Mobility (CIMO), Finland with Prof. Rabi Narayan Kar as Project Partner and Dr. Kusha Tiwari as Co-Investigator. The project is collaboration between three universities from Finland XAMK, TUAS, Pori School of Economics and Shyam Lal College

### **Seminars Organized**

Department of English organized a Virtual Lecture "Meet the Poet" where Scottish poet Fiona M Meyrick and Crime Fiction Writer Denzil Meyrick shared their experiences with the students.

The Department of history organized a one day seminar on 26 September, 2017 on "Historical perspective of Delhi".

The Department of history organized ICSSR sponsored a two day national seminar on "The Holy City of Banaras through the ages" on 12-13 March, 2018.

One-day seminar on "Information Security and Understanding Open Source Software Evolution" was organized on 9 October, 2017 by Department of Mathematics.

The Department Physics organized a lecture on "Laser Driven Fusion" by eminent professor V.K. Tripathi, Professor, IIT, Delhi on Feb 1<sup>st</sup>, 2018.

Department of Chemistry organized lectures on “Carbohydrates: Applications as Drug Carriers by Prof. (Dr.) Ashok Kumar Prasad, University of Delhi and “Green Chemistry by Prof. (Dr.) Rakesh Kumar Sharma, University of Delhi were by on 21 February 2018

### **Conférences organized / attended**

Conférences organized / attended (needs editing), plz reduce the content

Department of Political Science in collaboration with an institute of world repute, Nehru Memorial Museum and Library (NMML) organized the International Conference on “India’s Ascendancy in the Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities”, on 26-27 September, 2017.

The Department of English organized one day National Conference on "A Cultural Perspective: Journey of Narratives and Narrativization of Journey" on 20th April, 2018.

IQAC of the College organized two day International Conference on “Developing Countries and Sustainable Development: Reconnecting Past with Present” on 5-6 March, 2018 as part of one week International Winter School on “Fostering Collaborative Innovations and Solutions for Sustainable Development” from 3-7 March, 2018 in collaboration with Turku University of Applied Sciences, South Eastern Finland University of Applied Sciences and Pori School of Economics, Finland.

IQAC of the college organized an International Workshop I on "Entrepreneurship in Emerging Economies: The Path Ahead" on 3 March, 2018 and Workshop II on "International Experiences of Skill Development and its Adoption" on 7 March, 2018 in collaboration with TUAS, XAMK and University of Turku (Pori Unit), Finland.

Department of Political Science in collaboration with an institute of world repute, Nehru Memorial Museum and Library (NMML), New Delhi organized an International Conference on “India’s Ascendancy in the Emerging World Transitional Dynamics: New Upsurges, Strategic Challenges and Opportunities” on 26-27 September, 2017.

### **Seminar/Conference Presentations**

Prof. Rabi Narayan Kar presented a paper titled “Towards Developing an Accessible Education System for CWSN: The Road Ahead...” in the National Conference, National University of Educational Planning and Administration, New Delhi in November, 2017

Prof. Rabi Narayan Kar delivered a lecture on “Advances in Mergers and Acquisitions”, IMI Kolkata, Nov, 2017

Prof. Rabi Narayan Kar contributed as Plenary Speaker in the International Conference on *Institutional Excellence for Economic Growth* at P.G Department of Commerce, Utkal University in January, 2018

Prof Rabi Narayan Kar serves as a resource person in the International Conference on *Innovation and Entrepreneurship for Sustainable Development* at P.G Department of Commerce, Utkal University in January, 2018.

Prof. Rabi Narayan Kar serves as a panel speaker in Seminar on *Make in India: Creating and Enabling Environment for Entrepreneurs* at Indian Achiever’s Forum, India Habitat Centre, February 2018

Prof. Rabi Narayan Kar serves as a panel speaker at National Conference on *Emerging Business Practices* at IMS, FMS Banaras Hindu University, April 2018.

Prof. Rabi Narayan Kar serves as a visiting Professor with TUAS, Finland from 2016-18

Dr. Monika Goyal presented paper “Chaos based image encryption technique using extended fractional Fourier transform” in Multinational Enterprises and Sustainable Development International Conference, MESD’17, Atlanta, Georgia, U.S. December 7-9, 2017.

Mr. Subodh presented a paper titled “Repeated restricted bursts error correcting linear codes over  $GF(q); q > 2$ ” in a national conference on “Analysis and its Applications” during December 9-11, 2017 at Dyal Singh College, University of Delhi.

Dr. Kusha Tiwari gave invited lectures on “Cross-cultural Communication: Issues and Challenges” at South Eastern Finland University of Applied Sciences, Finland on 19/09/17 and 21/09/17. Dr. Tiwari has been visiting faculty to XAMK and TUAS, Finland under CIMO funded International Project and Exchange programme on “Responsible Business Professionals: Finland-India Trade” in September, 2017.

Dr. Kusha Tiwari delivered an invited lecture on “Sustainable Entrepreneurship in Arts and Crafts Industry in India” in the International Conference *Innovation & Entrepreneurship for Sustainable Development*, Utkal University on 8-9 March, 2018.



### **National/International MoUs Signed with Indian/Foreign Universities with Indian / Foreign Companies**

The College successfully arranged the academic exchange programme with three universities from Finland - Turku School of Economics/Pori Unit (University of Turku), South Eastern Finland University of Applied Sciences (XAMK), Turku University of Applied Sciences (Coordinator), Finland based on the project "Responsible Business Professional For Finland and India Trade" (1 September 2016 – 31 August 2018) funded by The Center for International Mobility (CIMO), Finland.

### **Student under Exchange Programme**

Four of SLC students Mr. Angad Anand and Mr. Abhishek Beri from B.Com (Hons) 3<sup>rd</sup> Year and Ms. Shreya Upadhyaya and Ms. Aditi Thakur from English (Hons) 3<sup>rd</sup> Year have visited XAMK and TUAS, Finland for the academic exchange programme under the major International project "Responsible Business Professional for Finland and India Trade" funded by CIMO, Finland for a period of one month in September, 2017.

### **Placement Details**

Number of students placed:	140
Number of Companies/visited for campus recruitment:	11

### **Extension and Outreach Activities**

Total of 9 Number of NCC camps organized in the surrounding areas. 75 people enrolled and 75 students worked in the camps. Total 99 hrs were dedicated to these camps

### **Library Development**

Total Books Purchased in 2017-18:	649
Total amount spend:	Rs. 360,078
No. of Journals/Magazines/Periodical:	40

### **Number of faculty Permanent / Temporary / Ad hoc:**

Total number of Permanent faculty:	65
Total number of Ad-hoc faculty:	59

### **Financial Allocation and Utilization 2017-18 (in Rs.):**

Grant sanction :	Rs. 2,12,100,000
Grant Utilized:	Rs. 2,13,977,776

### **Any other significant information:**

The college has been participating with full vigour in national programmes such as 'Skill India' and 'Digital India'. A Skill Development Committee has been set up in the College and it has organized activities for this purpose ranging from one day workshops to one month programmes for computer literacy. The College has also been organizing programmes for women development and gender sensitization under an active Women Development Cell. Interactive lectures by experts were organized to mark the occasions.

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### **SHYAM LAL COLLEGE (EVENING)**

### **Major Activities and Achievements**

The College had the NAAC Peer Team visit on 22nd and 23rd September, 2017 for the first cycle of assessment and accreditation. The College has been successful in achieving B+ Grade. The College also got ISO 9001:2015 Accreditation by American Board of Accreditation Services.

### **Journals published by the College**

'Aspirare', an International Journal of Commerce and Management (ISSN: 2394-0484 (Print), 2394-6601 (Online))

## Other Publications

Singh, Anil Kumar (2017) "Prevalence and Socio-Demographic Co-relates of Alcohol Consumption in Five States of India". *Drug & Alcohol Dependence* ISSN: 0376-8716.

Bhardwaj, Ritesh (2017) "Dr. Ambedkar: One Man, Multiple Facets", Edited Book, Alankar Publishing House, ISBN: 978-93-86817-00-6.

Bhardwaj, Ritesh (2017) "Dr. Ambedkar: Ek Vyaktitva, Bahupakshiya Aayaam", Edited Book, Apple Publishing House, ISBN: 978-93-86817-01-3.

Bhardwaj, Ritesh (2017) "Lok Seva Aur Svashasan", "Lok Prashashan", Published by IIPA, ISSN: 0019-5561, Year 9, Vol.2.

**Number of college teachers serving as Editor(s)/Member(s) of Editorial Board:**

05

## Seminars Organized

The Department of History organized a National Seminar on "History and Heritage of Sindh" in collaboration with NCPSL, New Delhi on 15 February 2018.

IQAC–SLCE organised a Multi-Disciplinary International Seminar on "Movements, Literature and Society : New Perspectives" on 17 March 2018.

## Seminars / Conferences Presentation

Dr. Anil Kumar Rai, delivered a lecture in a National Seminar on "Creating a Unified Foundation for the Sustainable Development: Education and Empowerment" organized by Govt. Roza P.G. College, Rampur (U.P.) on 27-28 January 2018.

Dr. Rai delivered a lecture in 'Panel Discussion' and presented a paper in one-day International Seminar on "Movement, Literature and Society: New Perspectives" jointly organized by SLC (E) and IQAC of SLC (E) on 17 March 2018.

Dr. Ramesh Kumar presented a paper on Satyagrah Syndrome Delhi in a two day National seminar on Revisiting Champaran: Challenges of Satyagrah in 21st century organized by Zakir Hussain college on 17 October 2017.

Dr. Ramesh Kumar presented a paper on Conflict Resolution: A Gandhian Context in a two day National seminar on Peaceful Resolution of Conflict and Gandhi organized by GSDS and Central University of Himachal Pradesh, Dharamshala on 4 Jan 2018.

Dr. D.N. Singh presented a research paper entitled "Sindh and Sufism" in the National Seminar on "History and Heritage of Sindh" organized by Department of History, Shyam Lal College (Eve.), Delhi University on 15 February 2018.

Dr. Stuti Gupta presented a paper on "Blockchain Technology: Application in Indian Banking Sector" in an International Conference held on 5 Jan 2018 on the broad theme "Managing Digital Revolution: Inventing Future India". Her paper has been awarded as the Best paper in the Technical Session and has been selected for publication in International Journal "Delhi Business Review" which is listed in UGC approved List 1, CABELL'S Directory, USA, Index Copernicus, ProQuest, The Indian Journal Of Commerce, EBSCO.

Dr. Suresh Kumar presented a paper on "Practice of Performance Appraisal Adopted by Banking Sector in India" in a National Seminar organized by Department of Commerce, Kurukshetra University, Kurukshetra on 8 March, 2018.

Dr. Aditya P. Tripathi, presented a Research paper titled 'Consumer Perception towards On-line Shopping: A Study of Indian Perspective (With Special Reference to Delhi)' at 6th Business & Management Conference, organized by the International Institute of Social and Economic Sciences with Czech Technical University from 27-30 June 2017 at Geneva, Switzerland.

Sh. Kamlesh Attri presented a paper on Development of ISM Linkages in Himalayan Tourism Industry, 28-30 April 2017 in the International Conference organized by Centre for Mountain Tourism and Hospitality Studies, Hemavati Nandan Bahuguna Garhwal University.

Sh. Kamlesh Attri presented a paper on Development of ISM Linkages in Himalayan Tourism Industry, 28-30 April 2017 in the International Conference organized by Centre for Mountain Tourism and Hospitality Studies, Hemavati Nandan Bahuguna Garhwal University.

Dr. Ritesh Bhardwaj presented a paper on Dr. Ambedkar and Critical Analysis of Indian Democracy, at National Seminar of Zakir Hussain College (Eve.), University of Delhi, 22nd March, 2017

**Placement Details**

Number and percentage of students placed:	65
Number of Companies visited for campus recruitment:	10

**Library Development**

Our Library has a rich collection of over 50,049 books covering an array of different disciplines. It subscribes 14 Hindi & English Newspapers, 55 magazines and journals. E-resource facility is also available through which students and teachers can access the world's best databases, DULS, E-Journals, E-books and Reports. Our library is automated and ensures the availability of current titles by consulting publishers', catalogue, book reviews and publisher websites. Open access facilities to students and staff are available on ground floor and upper library building. The library is computerized with bar coded books and membership cards. Xerox facility is also available for the staff members. The existing ceiling of the number of copies of a title to be purchased has been increased from five to twenty in view of new syllabi. The new arrivals are duly notified and prominently displayed.

**Faculty Strength**

Total number of Permanent faculty:	48
Total number of Ad-hoc faculty :	28

**Financial Allocation and Utilization 2017-18 (in Rs.):**

Grant Sanction :	Rs. 1,85,561,000/-
Grant Utilized:	Rs. 1,45,525,000/-

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**SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN****Major Activities and Achievements**

Four teachers were awarded Doctor of Philosophy. The college had a very productive year in terms of the research presented and published by the faculty members. A total number of 16 books and 4 book chapters were published. More than 60 research articles were also published in various reputed national and international journals. More than 30 papers were presented at various seminars, workshops and conferences. Two departments namely Department of Education and Department of Computer Science had organized two international conferences. The college NSS and NCC units were proactive in organizing and participating various activities. Our college organized various sports events such as Kho-Kho trials (Men and Women) for Centralized Admission Process, Senior National Hockey Team Camp (W), Selection Camp for Inter University Baseball Team, etc. the college also won State Level Kabbaddi tournament held at Sarita Vihar, Inter-College Kho-Kho tournament held at SPM College and Bharti Cup held at Bharti College.

**Outstanding Honours / Distinctions**

Dr. Avanish Kumar, Dr. Kaushalya Bajpayee, Dr. Nirmala Shah, Dr. Supriya Sinha were awarded Doctor of Philosophy

Dr. Anna Mirza from the Dept. of Pol. Science received three prestigious awards namely Certificate & Award of Appreciation by All Ladies Leagues at Women Economic Forum on May 5, 2017, Certificate & Award of Appreciation by CD foundation and ONGC on September 5, 2017, and Certificate & Award of Appreciation by SHE- Self Help Enmasse, March 2017.

Dr. Pooja Vashisth was honored Best Teacher Award 2017 by Govt. of NCT, Delhi.

Dr. Priti Rai received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

Dr. Sadhna Sharma received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

Dr. Urmil Vats received National Women's Empowerment and Development Award by International Association of Educators for World Peace. July 2017.

### Students with distinctions

Asmita Narang from B.A. (Hons.) App. Psychology II Year got 1<sup>st</sup> Position in DU

Sakshi Gulati from B.A. (Hons.) App. Psychology II Year got 2<sup>nd</sup> Position in DU

Roshni Jadon from B.A. (Hons.) App. Psychology III Year got 2<sup>nd</sup> Position in DU

### Publications: Total Number – Books: 16; Book Chapters: 4; Journal Articles: 60

Bala, R. (2017) The Changing Perspective of Ethnic Diversity and Conflict: A Study of North East India. Gadde Omprasad & Amit Kumar Gupta (eds.). *India's Act East Policy through Northeast: Opportunities and Challenges*. Delhi: Mittal Publication, pp. 121-137.

Chenika, U. & Mirza, A. (eds.) (2017) Rediscovering Indira Today. New Delhi: Swaraj Prakashan.

Kumar, Nita. N. (2018) Literary Aesthetics and Food. A Critique of *The Poisoned Bread*. *Literary Perspectives*, Vol.13, No.1.

Mirza, A. (2018) Contouring Global Politics, New Delhi: VLMS.

Rathee, P. (2017). Semantics for Delay-Tolerant Network (DTN). Karam Veer Arya, Robin Singh Bhadoria & Narendra S. Chaudhari (eds.). *Emerging Technologies in Wireless Area Network: Principle, Paradigm and Performance*. Singapore: Springer, pp. 101-123.

Shivhare, M. (2018). Yoga: Atma-Anubhuti Ka Ek Marg. New Delhi: Shivalik Prakashan.

Bhatia, S. & Bhardwaj, G. (2017) Determinants of Women Empowerment: An Empirical Inquiry. *Indian Journal of Psychology and Education, (IJPE)*, Vol.No. 7(1), pp. 7-18.

Thareja, R. (2017) Python Programing Using Problem Solving Approach. New Delhi: Oxford University Press.

Wadhwa, T. (2017) Guidance and Counselling for Children and Adolescent in Schools. New Delhi: Sage Publication.

Kapur, V. (2018) Understanding Constructivism in the Second Language Learning Context. *Scholarly Research Journal for Humanity Science and English Language*. Vol. 5/25. Online ISSN 2348-3083, SJ pp.7061-7080.

### Research Projects

Mr. Sanjiv Kumar. Status of Reservation Policy: A Study of Higher Educational Institutions in Bihar. ICSSR. 8 laks

### Seminars Organised

SPMC organised Annual Lecture Series on 'Gender, Sensitization, Equality and Women Empowerment: Continuity and Change' by Kamla Bhasin on 27 March 2018.

Department of Commerce organized a seminar on 'Investing Stock Market' on 18 September 2017. Mr. Varun Malhotra, Director, Edge Institute of Finance Studies Pvt. Ltd. And Mr. Naresh Pandey, Vice President, Sales and BD, Share India Securities Ltd. were the key speakers.

Department of Philosophy organised a talk on 'Law for Common Good and Obligations to Obey the Law'. Shri Sanjay K. Chadha, Supreme Court Advocate delivered the talk.

Department of Mathematics initiated lecture series on 'the Fundamentals of Mathematics'. The inaugural lecture was delivered by Prof. Ravichandaran, Head, Dept. of Mathematics, University of Delhi.

Department of Economic organized a talk on 'Goods and Service Tax' by C.A. Rajender Arora on 20 September 2017.

Department of Philosophy organized a lecture on 'Indian Sources of Philosophical Counselling' sponsored by Indian Council of Philosophical Research on 16 March 2018.

### Conférences organized / attended

Department of Computer Science organized an International Conference on 'Applications of Computing and Communication Technologies – ICACCT' on 9-10 March 2018.

Department of Education organised Fourth Annual Conference on 'Aligning Education Systems to the Challenges of the Future' on 8-10 November 2017.

### **Seminar/Conferences Presentations**

Dr. Chayanika Uniyal and Dr. Nirmala Shah co-presented a paper titled “Women Participation in Politics of South Asia: A Case Study of India” in the International Seminar on Governance, Human Rights and Regional Cooperation in South Asia: Opportunities and Challenges of Globalization held on 19-20 April 2017 at Jamia Millia Islamia University.

Jaya Gera, Harmeet Kaur co-presented and published a paper on “Effect of Social Media Connectivity on Success of Crowdfunding Campaigns” in the Proceedings of 5th International conference on ITQM - 2017, Procedia Computer Science, 2017, Vol. 122, pp 767-774.

Ms. Manshi Handa presented a paper on ‘Literacy in India: Issues, Challenges and Solutions’ at *International Literacy Day 2017* program organised by Indian Federation of United Nations Associations on 11 September 2017.

Dr. Sudhipta Ghose presented a paper on ‘Challenges of Teaching Science in Inclusive Schools’ at the International Association of Special Education (IASE) in Perth, Australia, 2017.

Pardeep Kumar presented a paper in a National Seminar on ‘Recent Innovations in Chemical Science and Environment Technology’ organized by Sri Aurobindo College, University of Delhi held on 3-4 March 2017.

Priyanka Rathee presented a paper on ‘Performance Analysis of IEEE 802.11P Using Continuous Markov Chain in VANETs’ in International Conference on Intelligent Computing, Instrumentation and Control Technology, 2017.

Dr. Ritu Bhagat presented a paper on ‘Gandhi and Women’s Movement in India’ in the International Seminar on Gender Sensitization, Equality and Women Empowerment organized by Rajiv Gandhi Study Circle, Delhi Unit on 29 January 2018.

Dr. Urmil Vats delivered a guest lecture on ‘Self-Management’ in Maharaja Agrasen Institute of Technology, CGSIU, Delhi in 2017.

### **National/International MoUs Signed**

A MoU was signed on 3<sup>rd</sup> March 2018 with the Yuva & Sewa Foundation- an NGO which runs various programs to inculcate and promote human values and spirit among students and teachers by motivating them to serve the nation and to help and protect the environment. The co-operation will be in the following areas

### **Other Inter-Institutional Collaboration**

The NSS unit of Shyama Prasad Mukherjee College has a tie-up with NGO Shubhakshika Educational society, Block-J, Sec-16, Rohini, Delhi. Student volunteers numbering thirteen (13) have helped the children of shelter home over a period of 4 months (from Jan to April 2018) in a number of activities such as Cancer Drive, Holi Color Making, Teaching, Promotional Discussion, Annual Day Preparation, Sale, Assistance in making short film on open shelter, etc.

Our college also collaborates with Delhi Police and Civil Defense Authorities for self -defense training programs for the students and disaster management workshops respectively. In addition, the college also collaborates with INTERN THEROY and INTERNSHALA for internships of our students.

### **Placement Details**

Number of students placed:	137
Number of Companies/ Industries/ Institution coming for campus recruitment:	8
Number of Repeat Recruiters:	2 (GENPACT).

### **Extension and Outreach Activities**

ECI in collaboration with NSS-SPM Unit started voter registration drive for two days. About 250 forms were distributed and filled. NSS unit in collaboration with NASSCOM organised an event for awareness about technology and in association with Central Vigilance Commission observed vigilance week from 30<sup>th</sup> Oct to 4<sup>th</sup> Nov 2017. A pledge of integrity was taken by students of the college under the leadership of public servants. NSS unit of the college also initiated each one teach one programme to educate children of economically weaker sections basics of English, Hindi and Maths. NSS initiated each one teach one

programme to educate children of economically weaker sections basics of English, Hindi and Maths. Volunteers educate children from economically weaker sections of their locality on weekdays and weekends alike.

Used and unused books were donated by the students and employees of the college. The books are then distributed to the needy people in a book donation drive on 4-16 December 2017. Students and employees volunteers also donated cloth for those who are in needs on 13-16 February 2018

Family Council Center of the college provides counseling, referral and rehabilitation services to needy neighbours as part of community outreach.

### **Library Development**

Our library is fully computerized with a database of 77016 books. It has a rich collection of books on various disciplines. It subscribes 78 periodicals including journals and magazines for general reading. The information centre in the library has 25 computers with internet facility for accessing e-resources. Login passwords are also provided to all members for free access to more than 6000 journals, e-database available through UGC-INFONET. The library has a unique braille books collection. Recorders and laptops with special software are issued to differently-abled students for the entire duration of their courses.

Total Budget: 1262500

Number of Books added: 1499

Total no. of books: 77016

Total Journals and Magazines: 78

### **Faculty Strength**

Total number of Permanent faculty: 84

Total number of Ad-hoc faculty: 81

### **Financial Allocation and Utilization 2017-18:**

UGC Grant sanction : Rs. 2,28,038,569/-

Additional grant from Delhi Administration: Rs. 29,62,000/-

### **Other Significant Information**

SPMC sports team brought many accolades and laurels to the college in various sports competitions held at national, state and university level. SPMC organised Kho-Kho trials (Men and Women) for Centralised Admission Process, University of Delhi in June –July 2017. The college also organised inter-college Kho-Kho (W) tournament, Inter-College Baseball (W) tournament, senior national hockey team camp (W) and another camp for the selection of Inter University Baseball Team.

Kabbaddi team of the college won State Level Kabbaddi tournament held on December 22-24, 2017 at Sarita Vihar, Delhi. SPMC also won Kho-Kho tournament held on November 6-11, 2017 at SPM College and Bharti Cup held on January 17-19, 2018 at Bharti College. Miss Shivani and Anjali represented University of Delhi in Inter University Kabaddi Tournament held at MDU, Rhotak on November 19-22, 2017. The college was conferred the 'Best Managed Green Campus Award' on the occasion of the 38<sup>th</sup> World Management Congress, held on December 21-22, 2017. The college was awarded 'The Golden Jubilee Year Cup' for the best artistic floral display in Eastern and Western style on the 66<sup>th</sup> Annual Flower Show, University of Delhi held on February 23, 2018. The college also won 'The Laxman Sarin Cup No. 3, for the floral arrangement with wild flowers.

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## **SRI AUROBINDO COLLEGE**

### **Major Activities and Achievement**

Beside academics, the various departments in the college organize their annual two day activity programme open for students of the college and also students from other colleges of University of Delhi. The literary society of the college organizes workshops and competitions for the students, like-wise the other societies such as Aakraya ( Commerce), Aranyan (Botany) are active throughout the year. The college has also nine

cultural societies exhibiting student's talent in Art, music, dance, painting and photography. The college organized its annual cultural festival Mehak 2017-18 in February 2018. More than 25 colleges from University of Delhi participated. The college societies have won prizes all over the country including AIIMS Delhi and Various IITs. Programmes such as Swatch Bharat Abhiyaan, Save Environment, Blood donation camps, Swatch Bharat Internship are encouraged throughout. Students participate enthusiastically.

### **Honours/Distinctions**

Dr. Manju M. Gupta elected as Vice President of International Symbiosis Society, USA

### **Publications**

AshwaniKumar, A.K. Verma. (2018) "Comparative performance of some polynomial based lowpass filters for microwave/digital transmission applications", *International Journal of Electronics Taylor & Francis*, pp.1-23, <https://doi.org/10.1080/00207217.2018.1494338>

Srivastava, Ashwani Kumar, B.K Kanaujia, S.Dwari, Sachin Kumar (2018) "Multiband Integrated Wideband Antenna for Bluetooth/WLAN Applications" *AEU - International Journal of Electronics and Communications* Volume 89, Pages 77-84

Kunal Srivastava, Ashwani Kumar, B. K. Kanaujia and S. Dwari, "Integrated Amateur Band and Ultra-Wide Band Monopole Antenna with Multiple Band-Notched", *International Journal of Electronics*, Taylor & Francis, DOI: 10.1080/00207217.2017.1382013,2017

Kunal Srivastava, Ashwani Kumar, B.K Kanaujia, S.Dwari, A.K Verma, K.P Esselle, Raj Mittra" (2017) Integrated GSM-UWB Fibonacci-type Antennas with Single, Dual and Triple Notched Bands" *IET Microwave and Antenna Propagation*,doi: 10.1049/iet-map.2017.0074.

Kumar, M., Agrawal, T. J., & Sehgal, S. (2017). Domestic and International Information Linkages for Indian Commodities Market in the Pre-and Post-CTT Periods. *Metamorphosis*, 16(2), 75-91.

Nayyar, R. (2018)Advancing research on the determinants of Indian MNEs: the role of sub-national institutions. *International Journal of Emerging Markets*, 13(3), 536-556

Kumar, M., & Agrawal, T. J. (2017). Risk Management in Indian Banks: Primary Data Analysis. *IUP Journal of Bank Management*, 16(3).

Sehgal, S., & Agrawal, T. J. (2017). Bank Risk Factors and Changing Risk Exposures in the Pre-and Post-financial Crisis Periods: An Empirical Study for India. *Management and Labour Studies*, 42(4), 356-378.

Agrawal, T. J. (2017). Sustainable water resource management in India: A financial perspective. *Journal of Commerce and Management Thought*, 8(3), 467.

Sirunyan, et al. (2018). Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. *Physics Review D* 97(1), 012007.

### **Research Projects**

3 year UGC major project (2015 to 2018) (MRP-MAJOR-BOTA-2013-21235)

PI Manju M. Gupta Associate Professor, Department of Botany, completed successfully.

### **Patens Filed/Granted**

Filed one Indian patent (Application no.201811011902) with collaboration of JNU.

### **Seminars Organized**

A two day national seminar on "Emerging Dimension of Indian Business and Economy: Pace and Pattern" was organised by the Department of Commerce, 23-24 February 2018.

### **Seminar/Conference Presentations**

Chauhan,A. Oral presentation on 'Y.Optimization of sulfuric acid pretreatment for sachharification of water hyacinth biomass in bioethanol production' at the 1 International Conference on New Frontiers in Engineering, Science & Technology (NFEST- 18) 8-12 Jan 2018. New Delhi, India ( NFEST/2018/RO16;p4)

Chauhan, A. Orall presentation on 'Water hyacinth as potential feedstock for bioethanol production' at the 9<sup>th</sup> Annual Congress and Expo on Biofuels and Bioenergy . Dubai, UAE . 16-17 April 2018.

Ashwani Kumar and Raj Mittra, “Gain and Side Lobe Level Enhancement of Array Antennas using Metasurface Superstrates” Presented in IEEE APS/URSI-2018, Boston, USA.

Ashwani Kumar and Raj Mittra, “Wide-Band Circularly Polarized Antenna using Partially Transmitting Surface”, Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Raj Mittra and Ashwani Kumar, “Design of Low-cost Phase-Shifters for Circularly Polarized Antenna elements using Partially Transmitting Surfaces”, Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Raj Mittra and Ashwani Kumar, “Study of Antenna Systems located on Complex Platforms by using Characteristic Mode Analysis and Related Techniques”. Presented in IEEE APS/URSI-2017, San Diego, California, USA.

Ashwani Kumar and Raj Mittra, “Wideband Circularly Polarized Antenna and Low-cost Phase-Shifters using Partially Transmitting Surface”, Presented in IEEE ISAP-2017, Thailand.

Raj Mittra and Ashwani Kumar, “Antenna Placement on Complex Platforms by using Characteristic Mode Analysis and Characteristic Basis Function Technique”, Presented in IEEE ISAP-2017, Thailand.

Ashwani Kumar and Raj Mittra, “Performance Enhancement of Array Antennas using Partially Transmitting Surface”, Presented in IEEE AEMC-2017, Aurangabad, Maharashtra.

Varma, S., & Nayyar, R. Evolution and Growth of Indian Technology Intensive Internationalisers. Paper presented at the Academy of International Business (India Chapter) Conference, 19-20 April, 2017. Symbiosis International University, Pune, India.

#### **Students under Exchange Programme**

Organized two educational Trip at Inter University Accelerator Center (IUAC) Delhi and National Science Center, Delhi Jan and Feb, 2018.

#### **Placement Details**

Number & Percentage of students placed: 260 (85 got college internship)

Number of companies visited for campus recruitment: 09

#### **Extension and Outreach Activities**

Dr. Manju M. Gupta held a session at Education and outreach, Oregon State University, USA 19 July 2018.

#### **Library Development**

A total of 58282 Books, 08 Journals and 35 Magazines/ Newspapers were brought / subscribed.

#### **Faculty Strength**

Total number of faculty =130

#### **Financial Allocation and Utilization**

Grant sanctioned: Rs. 20,47,16,000/-

Grant Utilized: Rs. 24,44,47,189/-

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### **SRI AUROBINDO COLLEGE (EVENING)**

#### **Major Activities and Achievements**

Our college submitted the Self Study Report to NAAC for accreditation in September 2017 and hosted the NAAC Peer team in March 2018. Several infrastructural additions were made to the campus such as a gymnasium, a girls' common room, a counselling room and health centre. The college collaborated with IPC to organise international educational fairs at Hotel Hyatt Regency, New Delhi. The college also held its first Alumni Association Meeting in September to engage the alumni and help them contribute and participate in the development of the college. The college also celebrated its inclusive and multi-cultural outlook by celebrating a North-East Festival showcasing the north-eastern cultures and ethnic diversity



within the nation. The college also undertook significant activities towards social service and initiated the “Joy of Giving Week” to imbibe a spirit of social welfare amongst all students and faculty.

### **Honours/Distinctions**

Dr. Namita Rajput was awarded the Delhi Police Yuva Foundation APPRECIATION AWARD on 26 April 2017

World Education and Skill (WESC) National Excellence award for Research on 7 September 2017

Green Thinkers Society, India, IRSD - Outstanding Researcher Award 2017 on 6 November 2017.

Women’s Agency for Generating Employment Girl Centric Tertiary Education and Training Award, 8 March 2018.

The Earth Saviour Foundation “Best Women ICONIC Award” on 8 March 2018.

### **Students with Distinctions**

Jai Singh and Jitender Diwan of BA Programme, 1<sup>st</sup> Year, received Gold medal at All India inter-university championship held at Punjab.

Abhay Deol, won silver medal in 50 mts Rifle prone Junior Championship; Bronze medal in 50 mts Rifle prone senior championship and silver medal in All India Inter-University Shooting Championship

College team won Maulana Azad Medical College Championship and BITS Pilani All India Inter-College Championship.

Pratik Dahiya, won the first position in the category of best physique at Netaji Subhash Institute of Technology, New Delhi.

Ashwani Gautam and Akash won first position in intra-college debate competition in 2017.

The college boxing team secured 3<sup>rd</sup> place in Delhi University inter-college championship team.

Seema Sejwal won an award by ministry of women and child development in the BETI BACHAO BETI PADHAO week

Ritik Singhal one of our NSS SAC-E Volunteer got selected to attend the National Integration Camp (NIC) 2017.

### **Publications Total Number**

Rajput, Namita (2017) Impact of Impulsive Buying Behaviour and Opinion Leadership on the relationship between Emotional Intelligence and Consumer Satisfaction of Smartphone buyers. *Global journal of enterprise Information system (GJEIS)*, Vol. 9(2). 71-810975-1432.

Gill, Mini (2017) Women Relations and Love: Narratives by Amrita Pritam. *Humanities and Social Sciences Review*.

Rikhi, Monika (2017) Influence of Family Environment and Work Values on Vocational Preference across Stages in Young Adults: *IOSR Journal of Humanity and Social Science*, 22(10).

Pragyendu (2017) Psychological Consequences of Unemployment: A Comparative Study of Employed and Unemployed Youths in Rural Areas. *Indian Journal of Psychological Science*, 054-059.

Varma, Sumati (2017) Drivers of Emerging Market Cross Border Mergers and Acquisitions: Evidence from Indian IT Industry. *Transnational Corporations Review, Taylor and Francis Ltd, Vol 9. Issue 3*, 335-352.

Kulshetha, Jyoti (2017) Violence and Cruelty: A Comparative Study of Medea and the Vultures. *International Journal of Advanced Research and Development*, Vol 2, 70-71.

Sharma, Shailendra (2017) Psychological Consequences of Unemployment: A Comparative Study of Employed and Unemployed Youths in Rural Areas. *A Comparative Study of Psychological Science*, 54-59.

Rout, Swagat (2017) Private Sector Participation in Infrastructural Development in India. *International Journal of Academic Research and Development*, 68-69.

### **Research Projects**

Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development, Government of India, November 2017- January 2019.

### **Seminar Organised**

Department of Commerce organised a One Day Seminar on 'financial Analysis: Today's Need for Awarding and Rewarding Career' on 1 September 2017

The Department of History organized a seminar on "Sufi Islam: Notion and Praxis" in the year 2017

### **Conferences Organized**

Department of Commerce organized XIX Annual International conference on "Managing digital revolution: Inventing future India" in collaboration with Delhi School of Professional Studies which was held in Delhi Technical University on Jan 5<sup>th</sup> and Jan 6<sup>th</sup> (2018).

### **Seminar/Conference Presentations**

Dr. Namita Rajput, "Novelties in Financial Markets Levelling Growth: A Case Study of Derivatives in CBOE and NSE", at 13<sup>th</sup> International Conference, "Business 2025: Driving Growth through Strategic Innovation, Entrepreneurship and Digitization" on 10 Feb, 2018.

Dr. Namita Rajput, "Commodity Derivatives Market Levelling to Sustainability Relative Study of Agriculture and Energy Derivatives Markets in India", at 13<sup>th</sup> International Conference, "Business 2025: Driving Growth Through Strategic Innovation, Entrepreneurship and Digitization", on 10 Feb, 2018.

Dr. Sumati Varma, "Trade Implications of Regional Economic Integration: India's Experience in APTA and ISCEC", with A Abhyatne, V Madhukar and Kanika Bankhad, paper presented at the 27th anniversary of Asian economic symposium on inclusive growth and structural reform – the experience of Asia, organised by centre of humanities and social sciences, Guang Xi Normal University, China and division of economic development of institute of world economics and politics, CASS, 18th – 20th November 2017, Guilin city China.

Dr. Sumati Varma, "Diaspora networks as drivers of Indian Global Technology Start Ups – A Case Study at the International Conference on Indian Economic Transformation Through revival of Manufacturing Sector and Start Up Eco-System", Ramanujan College Delhi University, 21-22 September, 2017

Dr. Sumati Varma, "Conflict in Global Virtual Student Teams – Perspective" at the AIB India Chapter meet, 19<sup>th</sup>-20<sup>th</sup> April, 2017, Symbiosis International University, Pune.

Dr. Sumati Varma, "Trade Creation and Trade Diversion: India's Experience in APTA and ISCECA" with A Abhyartne, V Madhukar and Kanika Bankhad, at the National Conference on "Managing Indian Economy: Challenges for Future", Department of Management Studies, Deen Dayal Upadhyay College, Delhi University, on 11 February 2017.

Dr Sushanta Kumar Bag, "Peasant Movement in Colonial Odisha: A Theoretical Interrogation" at National History Symposium in October 21-22, 2017, at India International Center, New Delhi, on Paik Rebellion: A Forgotten era of Indian Freedom Struggle.

Mr. Vikash Joshiya, "Indian economic transformation through "Make in India" in an International Conference on "Indian Economic transformation through revival of manufacturing sector and startup ecosystem" held in September 21-22 at Ramanujan College, DU.

Mr. Saroj Kumar Rath, "Role of Madrassas in South Asian Education and Training" at the International Conference on 'Innovative and Creative Education and Teaching' at Faculty of Education, University of Extremadura, Badajoz, Spain, 21-23 June, 2017.

Mr. Saroj Kumar Rath, "Integration of Immigrants into Host Socio-Cultural and Economic Life: India as a Role Model for the World", Turkish National Police Academy, Anatlya, Turkey, International 13-15 October, 2017.

### **Other Inter-Institutional Collaboration:**

The Women's Development Cell collaborated with Centre for Social Research as well as with Asmita Theatre Group for the annual festival, Liberation 2018 on April 10-11, 2018.

SACE collaborated with Jaagruti, an initiative dedicated to waste paper recycling services on August 7, 2017, and donated 1000 Kgs of paper for recycling.

SACE collaborated with 'GREENSOLE', on August 9, 2017 for recycling and donating old shoes for underprivileged children.

The SACE Placement Cell collaborated with IPC to organize an International Education Fair at Hyatt Regency, Delhi on 3 February, 2018.

The SACE Placement Cell collaborated with Niuversity, Berlin where speakers from the institution were invited to speak to students on possibilities of further studies in Germany.

Under the mentorship of Dr. Sumati Varma, a member of the Executive Board of Project X- Culture, students from Sri Aurobindo College (Eve) have been selected for the X-Culture project since 2013. The project is a large-scale experimental learning collaborative exercise initiated by the University of North Carolina, USA.

The Department of Commerce organised XIX Annual International conference on “Managing digital revolution: Inventing future India” in collaboration with Delhi School of Professional Studies which was held in Delhi Technical University on 5-6 Jan 2018.

International Conference “Business 2012: Driving Growth through Strategic Innovation Digitisation”, on 10 February, 2018.

### **Extension and Outreach Activities**

The Enactus team of the college works on the principles of “We Rise by Lifting Others” under the project ANNAPOORNA, a tiffin service, giving real life experience and exposure in all facets of management to its members, including increasing financial and entrepreneurial literacy. Gender Sensitization Committee organized health and well-being workshop, Lecture on “cyber security and law”, Promote inter-generational Bonding by AIWEFA and NISD – Ministry of social justice & Empowerment, organized “Rape Roko” campaign by DCW and Women’s Day program . Volunteers of NSS celebrated World Environment Day by adopting plants and by recycling waste materials. A “Cleanliness Drive” was organised in the college campus during Swachhta Pakhwada under Swachha Bharat Abhiyan. A rally was organised by NSS volunteers in and around the college campus in order to support Rally for Rivers Movement. Homage to little angel Pradyuman was organized by taking out a candle march. Alternative NSS MOTTO writing competition; cleanliness drive and mass plantation drive were organized in collaboration with Leaders for tomorrow and Eco Club of SAC-E to celebrate NSS day. NSS-SAC(E) in collaboration with Delhi police and Disaster management group organized a natural disaster mock drill event focusing on Earthquake. NSS SAC-E unit in collaboration with Gender Championship Cell and Women Development Cell celebrated International Girl Child Day by organizing Slogan writing and Poster making competitions. NSS team also organized “DEEP: Let’s Lighten Smiles - a donation drive on the occasion of Diwali, a Christmas party to celebrate Christmas day in the slums of Faridabad and took part in project NAVOUDIT and went to NGO center for training underprivileged students and won several prizes. In another project “Shape tomorrow by voting today”: Volunteers took pledge in order to promote electoral Participation on National Voter’s Day, 25th January, 2018.

22 students of the college participated in the project namely “Project X Cultur” which is a large-scale experiential learning collaborative exercise initiated by the University of North Carolina USA with the aim to develop a business proposal

### **Library Development**

The College Library as the Knowledge Centre of the college is equipped with refereed books of almost all relevant subjects, general books of knowledge, national and international journals through University site, e-journals, news-papers and Wi-Fi facility. It has an overall collection of over 7000 volumes; wide collection of reference books, encyclopedias, dictionaries, atlas and yearbooks; subscription of 23 Newspapers and 27 Journals and Online Public Access Catalogue. It is furnished with two computers with Non Visual Desktop Access (a Screen Reading Accessibility Software for the People with Visual Impairment) and URKUND Plagiarism Checking Access Facility.

### **Faculty Strength**

Total number of Permanent faculty: 42

Total number of Ad-hoc faculty: 32

### **Financial Allocation of Utilisation**

Grant sanctioned: Rs. 14,23,05,000/-

Grant Utilized: Rs. 14, 06, 33, 625/-

### Other Significant Information

The college organized a Faculty Development Programme on ‘Research Methodology and Data Analysis’ on 1-2 May 2017, celebrated International Yoga day on 21 June 2017, organized its first Alumni Meet “YAADGAR” was organized at the college lawns on 17 September 2017. On the Occasion of the martyrdom of Gandhiji, faculty and students of the college attended a seminar conducted by the Government of Delhi on 30 January 2018 at the Delhi secretariat auditorium. This seminar is part of a year long lecture series organized by Delhi Govt to celebrate completion of 75 years of the Quit India Movement. The college also celebrated Hindi Matrabhasha Divas 2018 on 21 February in which talks were delivered on the significance of the Mother Language by Dr. Veena Gandhi, Dr. Girish Joshi and Dr. Aman Singh, senior faculty members of the College. Dr. Gandhi also elaborated upon how the day came to be celebrated. Tracing its origins to Bangladesh.

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## SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

### Major Activities and Achievements

The college introduced two professional course including “Bachelors in Management studies (BMS)” and B.A. (Hons.) Punjabi. Two new career-oriented courses at undergraduate level are also introduced in collaboration with Bombay Stock Exchange (BSE) Institute Limited. Girls Hostel with well-equipped rooms for 129 students and all the facilities for the overall development is completed during this year. For making use of the non-conventional sources of energy, establishment of number of high quality solar panels and wind panels for clean energy have been installed on the terrace. The college has started the work for the establishment of rain water harvesting system. The college has adopted *SmartProf* Application under innovative digital initiative. This custom application is used to feed and display real time attendance and internal assessment records of all the students in the college. *Marketing Mavericks*, Social Awareness Campaign in support of ‘Rally for Rivers’ project launched by Isha Foundation to spread the message of saving our invaluable rivers by reaching out to the college students and faculty members in the college premises.

### Honours /Distinctions

Shri M. Hamid Ansari, former vice-president of India, was invited as chief guest of National Symposium on Quality in Higher Education: Road to Employability organised in college in April 2018

### Students with Distinctions

Sarthak Kumar, a student of final year of B.A (Hons.) Business Economics, has been a meritorious student of the college. He was the topper of the college in academic years 2015-16 and 2016-17 and was the second position holder in Delhi University in 2016-17. He scored 97.64 % in CAT 2017 and has received calls from the premier institutions like IIM Lucknow, SP Jain etc. He also secured 99.95 % in XAT 2018 and got calls from XLRI Jamshedpur for a course in Business Management. He has also done a project on “Effect of Different Economic Factors on Gold Prices” during January-May 2017.

Nishima Arora graduated B.Tech. Computer Science securing second rank in the university (out of 2000 students) with a score of 94.75%. Academically, she has maintained a consistent record securing 3rd rank in the university in first year, 2nd university rank in second academic year and University topper consecutively in the third academic year. She was also awarded Certificate of Excellence for participating in Rio+22 UN Sustainable Energy for All India Program, organized by IARC in 2015. Presently, she is working as a Junior Research Fellow at IIIT Delhi in the fields of Virtual Reality and Artificial Intelligence. As part of her research work she submitted a research paper titled - ‘Optimal Image Acquisition for high quality Architectural Reconstruction’ to one of the world’s top Most (A\*) conferences IEEE Transactions on Visualization and Computer Graphics (TVCG) 2018.

Divya Kaushik, a student of B. Com. (Hons.), holds six world records and five national records in the field of Mathematics. The world records included in the Limca Book of Records are for computing 120-digit table in 21 min 40 sec, 50 sums of 9-digit cube roots in 5 min, 30 sums of 12-digit cube roots in 5 min, 4 sums of 8 digit squares in 5 min, 3 sums of 9 digit squares in 4 min 30 sec, 2 sums of 10 digit squares in 4 min. Her national records include (*Limca Book of Records*) computation of 20-digit table in 5 min, 100-digit table in 20 min, 10 sums of 5-digit X 5 digit in 5 min, 5 sums of 6 digit X 6 digit in 5 min, 4 sums of 7

digit X 7 digit in 5 min. She has won 1st rank in speed and accuracy in Abacus Championship organised by Abacus Champs Academy for three consecutive years.

Shivam Dhoundiyal, B.com (H.) 2nd Year represented Delhi U-16 state in Vijay Merchant Trophy (2014-15). He Scored 142 runs on debut. He also represented Delhi U-19 state in Vinoo Mankad Trophy & Cooch Bihar Trophy (2015-2016). He scored 220 runs against Zakir Hussain College in DDCA inter-college tournament (2018). He has the highest Run Scorer (Best Batsmen) in DDCA inter-college tournament including one century (113) & double century (220). He is currently leading (Captain) SGGSCC college to the finals in DDCA inter-college tournament.

Akash Verma, a student of B.Com. first year, qualified for the 4th Inter-University Shooting Championship. He also qualified for trials in 61st National Shooting Championship. He won a bronze medal in the Haryana State Shooting Championship.

### **Publications (selected)**

#### **Total Number: 55**

Dodrajka, Sangeeta (2017) "Quality Function Deployment: Transforming Customer Needs into Product Attributes" in *International Journal of Management Research and Review*, (IJMRR), e-ISSN No.2249-7196, Vol. 7, Issue 2, April - June 2017 (SCOPUS LISTED)

Gill, Kawal, Rekha Sharma and Renu Gupta (2017) "Empowering Visually Impaired Students through E-Learning at Higher Education: Problems and Solutions". *Journal of Humanities And Social Science (IOSR-JHSS)* Volume 22, Issue 8, Ver. 7 e-ISSN: 2279-0837, p-ISSN: 2279-0845, page 1-9

Gill, Kawal, Rekha Sharma and Renu Gupta (2107) "*Empowering Disabled Students Through E-Learning*", Ane Books Pvt.Ltd, New Delhi. ISBN 97893855462788

Gupta R. (2017) *Banking Reforms and Competition: Liability Structure of Indian Banking Segments*. Delhi Business Review, 18(1) pp 55-70. ISSN No: 0972-222X

Kaur, Harpreet, Bajaj, Prateek, and Kaur, Harshleen (2017) Digital India: An Opportunity to Leapfrog in terms of Business and Technology. *International Journal of Engineering Research & Technology (IJERT)*, Volume 6, Issue 04, ISSN: 2278-0181

Kaur, Harpreet, Bajaj, Prateek, and Kaur, Harshleen (2017) Conceptualizing Smart Cities: Developments, Technological Advancement and Challenges. *International Journal of Engineering Research & Technology (IJERT)*, Volume. 6 - Issue 06, ,Pgs. 786- 793, e-ISSN: 2278-0181

Kaur, Harpreet, *Strategies for GSEZs in India* (2017) The Scientific Conference of Microfinance And Sustainable Development, University of Ottawa, Ontario, Canada, ISBN: 978-1-988081-03-8

Kaur, Simrit, Harpreet Kaur (2017) "Climate Change Begg for Policy Initiatives in South Asia" in East Asia Forum an Asia Pacific focused Policy Forum, based out of the Crawford School of Public Policy at the Australian National University. <http://www.eastasiaforum.org/2017/08/26/climate-change-begs-for-policy-initiatives-in-south-asia/>

Malhotra, Ruchika and Ummat, Megha (2017) "Prediction of Change Prone Classes using Evolution-based and Object-Oriented Metrics", *Journal of Intelligent and Fuzzy Systems*, IOS Press, ISSN: 1875-8967

Singh, Gurdev, (2017) "Application of Social Media in Library and Information Services", JILACON 17 (National Conference on Library and Information Management in Digital Environment. *Jharkhand Information and Library Association, Bhaskar Karn and others Eds. Lord's Pub House, Ranchi.*p1-21

### **Journals published by College**

'*Journal of Business Thought*' is published annually by the college. It seeks to provide a platform that encourages research scholars and academicians to share contemporary thoughts in related fields of business and economics. It covers a plethora of topics relating to, though not limited to, finance, taxation, banking, marketing, management, economic policy and sustainability, global integration, development studies, business ethics, corporate governance, cross-cultural studies, and corporate social responsibility. The Journal is fully refereed and is in the UGC approved list of Journals (Journal no 64092). Seven Faculty members are serving as members of Editorial Board.

### **Research Projects**

Funded by UGC, 2015-18 ( Rs. 10,04,400/-). 'Special Economic Zones: A Comparative Analysis of South Korea and India-Contemporary Concern with Policy Implications' (MRP-MAJOR-POLI-2013-6117). Dr. Harpreet Kaur

### **Seminars Organized**

National level Symposium on ‘Quality in Higher Education: Road to Employability’ by IQAC in April 2018. Shri M. Hamid Ansari, former vice-president of India, was invited as the chief guest along with experts from various companies like, FICCI, Deloitte, KPMG, Earnest & Young etc.

The commerce society hosted a Seminar on ‘Goods & Services Tax and E-Filing of Income Tax Returns’ on November 1st November 1, 2017. CA Rajender Arora, Secretary of NIRC, ICAI was invited to bring the conceptual clarity amongst the students. The practicalities of e-Filing of income tax returns were explained by Prof. Ravi Gupta, Associate Professor SRCC.

Confluence 2.0 was organised on February 15, 2018. Dr. Charan Singh, former RBI Chair Prof. and faculty of IIM Bangalore highlighted the recent union budget and its effects on the nation.

A seminar on ‘Young Leaders Programme’ was organised by ENACTUS in February 2018 in collaboration with Indian School of Business, Hyderabad to guide and motivate students.

Lecture on ‘Demographic Trends in South Asia and their Macroeconomic Impacts: The Risk of growing Old before getting Rich’ by Andreas Bauer, Senior Resident Representative for India, Nepal and Bhutan

### **Conferences Organized**

National Conference on ‘Contemporary Reforms in Management, Economy and Applied Business’ was organised February 2018 where Sh. Montek Singh Ahluwalia, Former Deputy Chairman of Planning Commission was a Chief Guest.

‘Achievers Talk 4.0’ was organised on February 2-3, 2018 in the college where achievers from diverse field- business, politics, fashion, media and YouTube were invited to share their experiences and success stories.

‘ECOLOQUENCE 2.0’ organised on February 13, 2018, was presided by Dr. Bimal Jalan and co-chaired by Dr. Rajesh Chadha. Dr. Bimal Jalan delivered an enriching speech on India’s economic past with focus on some five year plans and how India’s future growth policy should be framed.

‘The Apple Talk’ was organised in November 2017. Mr. Vijay Sardana, Senior Corporate Leader at ASSOCHAM, Dr. B.K. Tyagi, Senior Scientist at Vigyan Parisar, Mr. Palvinder Singh, Ethical Hacker & Information Security Expert and Mr. Ankush Singla, Tech- Entrepreneur were delivered their talk.

A Panel Discussion on ‘Media Convergence’ was held in February, 2018, where personalities from diverse background like Ms. Manjari Joshi (Ex- TV News Anchor, DD News), Basant Kumar (Reporter, Amar Ujala TV), Mrs. Meena Kotwal (Broadcast Journalist, BBC India) and many more enlightened the student.

### **Seminar /Conference Presentations**

#### **Papers Presented**

Dr. Harpreet Kaur, on ‘Strategies for GSEZs in India’ at International Conference at ‘The Scientific Conference of Microfinance and Sustainable Development’, University of Ottawa, Ontario, Canada on June 20, 2017

Dr. Harpreet Kaur, on ‘Sadh Sangat dee Dharna Ate Naitikta’ (The Concept and Morality of Sadh Sangat) at World Punjabi Conference, held at Brampton, Canada on June 23, 24 & 25, 2017

Dr. Harpreet Kaur, ‘The Viability of Special Economic Zones (SEZs) in India as an Instrument of Inclusive Growth’ at the 4<sup>th</sup> National Seminar on Current Reforms in Management, Economics and Applied Business held on February 9-10, 2018 organized by Sri Guru Gobind Singh College of Commerce, University of Delhi

Dr. Harpreet Kaur, on ‘Significance of Kartarpur: The Last Abode of Guru Nanak Dev, at the National Seminar on, Life, Times and Legacy of Guru Nanak Dev held on February 16-17, 2018 at Mata Sundri College for Women, Delhi organized by International Centre for Sikh Studies.

Dr. Renu Gupta, on “Banking Reforms, Financial Recession and Competition: Locating Turning Point in NPAs Trends of Indian Banking Segments” in National Conference organized by Sri Guru Gobind Singh College of Commerce, University of Delhi.

Ms. Dipavali Debroy, on “Changing Technology and Children’s Books in India” in the Third Asia Oceania Regional IBBY Congress organized by the International Board on Books for Young People and held in Bangkok, Thailand, May 9-12, 2017.

Dr. Aradhana Nanda, on Demography, Old Age Savings and Inflation: A Post Reform Analysis at the 'Emerging Researchers Conference on- Demography, Ageing and Health', September 26-28, 2017, University of Oxford, United Kingdom.

Ms. Harpreet Kaur, on "Sustaining Food Security in South Asia in the Face of Climate Change" at the International Conference, "Developing Countries and Sustainable Development: Reconnecting Past with Present", held on March 5-6, 2018 at Shyam Lal College, University of Delhi.

Ms. Harpreet Kaur, on titled "Impact of Climate Change on Food Security in South Asia" at the National Seminar, "Climate Change, Mitigation, Adaptation and Sustainable Development", held on March 14-15, 2018 at Jamia Millia Islamia University.

Dr. Kajleen Kaur, on "Monetary Policy during Crisis: Impact on Inflation", at the 3<sup>rd</sup> National Conference, SGGSCC, 2018 and won the Best Paper Award.

Ms. Gurleen Kaur, on 'Inflation in India: A Macroeconomic Analysis' at the 21st Annual Conference of Indian Political Economy Association held at IIT Delhi during December 8-9, 2017.

Ms Sugandha Gupta, on "E-Assessment Tools for Programming Languages: A Review" at International Conference on Information Technology and Knowledge Management (ICITKM-2017) held at Shaheed Sukhdev College of Business Studies, University of Delhi during December 22-23, 2017.

### **Other Inter Institutional Collaborations**

Enactus collaborated with KPMG for execution of their projects. They received a grant of Rs. 29,000/- from KPMG this year.

The Rotaract club collaborated with Divya Jyoti Jagrati Sansthan, who opened up the centre and the club provided the students with course material. The club also installed a projector and white screen to enable digital learning at this centre. The teachers at the centre are provided by Divya Jyoti Jagrati Sansthan and DJJS also manages it. Purpose of the centre is to educate women and give them the basic knowledge to move forward in life. The Club also collaborated with Navjyoti India Foundation, the foundation provides the club with the place, where the club worked hard to get the centre up and running. The club provided the centre with 10 computer systems with i3 processors and 5 singer sewing machines, with the goal of educating 1000 beneficiaries. The club managed to raise a donation of 190000 (cash+kind). The teachers and management is done by Navjyoti India foundation.

### **Placement Details**

Number of Organizations Visited:	29
Number of Students Participated:	350
Number of Students Placed:	163 (47%)
Number of Students Placed:	23

Companies Visited: KPMG Global, KPMG India, Deloitte USI (Tax), Deloitte USI (Audit), Tommy Hilfiger, EY GDS (Audit) etc

### **Extension and Outreach Activities**

The Rotaract Club successfully inaugurated its Mega Project "Sankalp", a Digital Literacy and Sewing & Stitching Centre for Youth and Women, in Prem Nagar, on April 14, 2018. The Club has worked on this project for months with unparalleled vigour, in collaboration with Navjyoti India Foundation. The mobile centre established to provide a one-year course consists of 10 computer systems with i3 processors and 5 singer sewing machines, with the goal of educating 1000 beneficiaries.

The Rotaract Club, in collaboration with Divya Jyoti Jagrati Sansthan, successfully inaugurated SYAHI, an adult literacy centre for women, in Faridabad on November 12, 2017. Another centre was inaugurated in Dwarka on April 18, 2018. A team of 10 Rotaractors attended the event and the fresh batch of 15 lady scholars was welcomed and honoured with Scholar I Cards, stationery kits and course material. The Club is immensely proud to see its efforts being translated into tangible results with the opening of two Adult Literacy Centre by the club in 2017-18.

### **Library Development:**

Digitisation of rare old manuscripts started this year. Around 35 manuscripts digitised.

A session was organised for support staff in which Dr. Lokesh Sharma, Director General of Public Libraries, enlightened the audience on '*Public Library and Library Services*'.

Special arrangements have been made in library for visually challenged students. Vision Aid English Vocaliser Voice system has been installed to help blind students to avail library services. Separate laptop with special software as LEX, Hindi OCR, NDVA, ABBY, Fine Reader etc. has also been placed in library for such students.

#### **Faculty Strength**

Total number of Permanent faculty:	42
Total number of Adhoc faculty:	27
Total number of Guest faculty:	17

#### **Financial Allocations and Utilizations**

Grants Sanctioned: Rs.1524.90 Lakhs

Utilisation: Rs.1524.90 Lakhs

#### **Other Significant Information**

At 'ROAR Award Ceremony' organized by 'Rotaract South Asia MDIO', . Out of 8 Countries and more than 2500 Rotaract Clubs, Rotaract SGGSCC bagged 'Outstanding Project in Professional Service' for our dream project 'Sankalp' At Thanksgiving of District Governor Ravi Chaudhary, Rotary International District 3011 Rotaract SGGSCC received 'Governor's Platinum Award for SANKALP as the Best Vocational Project in district 3011' At Thanksgiving of DRR PHF Rtr Anmol Chawla, Rotaract District 3011, the Rotaract Club SGGSCC received the following awards.

Outstanding Institutional Club of District 3011

Best Project in Vocational Service- SANKALP

Best Service in Singer

Outstanding President-secretary Relationship to Anshika Walia & Gurkirat Singh

Outstanding IPP-President Relationship to Tamish Goyal & Anshika Walia

Ms Saransh title to Anshika Walia for a fashion show at Saransh (District Conference)

At Thanksgiving of Partners at Service of Parent Club - Rotary Club of New Delhi, Rotaract Club SGGSCC bagged-

Best project Award for Its Adult Literacy Centre - SIYAH

Appreciation award for the hardwork throughout.

The club has also received '100% presidential citation' during this year.

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### **SRI GURU NANAK DEV KHALSA COLLEGE**

#### **Major Activities and Achievements**

The academic year 2017-18 was a year of accomplishments for Sri Guru Nanak Dev Khalsa College. According to the NIRF rankings of last year, Sri Guru Nanak Dev Khalsa College was ranked at 46 out of the 535 Colleges that were considered by the MHRD. The Internal Quality Assurance Cell (IQAC) of our College has kept track of scheduled plans and implementation of various activities and has advised, where necessary, to ensure the maintenance of quality parameters. E-newsletter published on the College website by our students under the guidance of Dr. Indra Kaul aims at sharing the main events of the College on a regular basis. Online Attendance has been introduced for the purpose of maintaining an attendance record of students as well as for ensuring transparency in this sphere. Complete examination forms were generated by Enterprise Resource Planning (ERP) for second semester students. Substantial advances have been made in the direction of digital governance with the view to promote efficiency, transparency, and effective work culture. All financial transactions have now gone online or digital. Strong emphasis was given in maintaining the green campus initiatives/ practices like rainwater harvesting unit, recycling of waste paper, solar panel and preventing wastage of resources.



### **Outstanding Honours / Distinctions**

Lt (Dr.) Bairwa, Ghanshyam, successfully completed PRCN/163/SD Associate NCC Officer (ANO) three months training organised by the Officer Training Academy (OTA), Kamptee, Nagpur, Maharashtra from 27 November, 2017 to 24 February, 2018.

Bala, Anju was awarded *Ginadevi Sahitya Shiromani Samman* by Gaganram Educational and Social Welfare Society, Bhiwani, Haryana, *Kabir Samman*, *Sahityik Vachaspati Samman* and *Virangana Savitri Bai Phule Fellowship National Award* by Bharatiya Dalit Sahitya Akademi, Delhi.

Deepmala, won prize for presenting a paper titled 'Yuva Disha Aur Dayitva' organised by Indraprasth Adhyayan Kendra, New Delhi on 20 January, 2018.

Bakshi, Bhupinder Pal Singh submitted PhD thesis in November, 2017 to University of Delhi. The topic of his PhD thesis is 'Dr. Tarlok Singh Kanwar Da Sahit Chintan: Pra-Adhiyan'.

Kaur, Manmeet was awarded Doctorate of Philosophy on 18 November, 2017. The topic of her PhD dissertation is 'Corporate Governance Practices and Performance: Empirical Evidence from Indian Banking'.

Singh, Baljeet submitted PhD thesis to in February, 2018 to University of Delhi. The topic of his PhD thesis is 'Mahakavi Santokh Singh Dian Sahitik Rachnawan: Itihas Chetna'.

### **Students with distinctions**

Gurpreet Singh received a Certificate of Appreciation by the Chief Electoral Officer, Delhi for his work as Campus Ambassador in spreading awareness regarding the electoral process.

Cadet Hardeep Mathur, Cadet Md. Riyaz and Cadet Seenu Kumar successfully completed a tough 45 day camp.

Three Cadets, Sgt Karan Khurana, Cdt Md. Sheeryaar and Cdt Ayush Sisodia of our NCC took part in Republic Day Camp 2017.

Karan Khurana took part in the Republic Day Parade and Cdt Ayush was selected for Youth Exchange Programme.

Athlete Rahul has earned the distinction of being selected for India Camp of Athletics of World Championships.

Athlete Sarthak Bhambri was selected for 400m in the India Camp League.

Our dramatics team was selected for participation by Sahitya Kala Parishad, Government of Delhi for the prestigious Mahavidyalaya Natya Samaroh.

Our student team won the first prize in Group Discussion at UNIC 2017 on 13 December, 2017. It also earned high commendation in Symbiosis MUN Conference held on 5-8 October 2017, and special mention in SHISMUN'17 and SYMUNC'17 organised on 5-6 August, 2017 and 5-8 October, 2017 respectively.

### **Journal Published by the College**

Journal of Research and Innovation

### **Other Publications**

Kaul, Indra (2017) Self, a Continuum of Being and Becoming: Lalla Ded in the Backdrop of Medieval Indian Bhakti, *Journal of Research and Innovation*, Vol. 1(2), 21-29

Babbar, Garima (2017) Valuing Water Resources - An Economic Perspective. Delhi. *Heritage Publishers*. (ISBN 817026395-6).

Jha, Pravin Kumar (2017) Television Channel aur Satyakathakaran, Delhi. *Tarun Prakashan* (ISBN 978-93-83629-12-1).

Kaur, Jasmine (2017) *Insurance and Risk Management*. Delhi: Netshop18.com. (ISBN 978-81-93400-62-3).

Kumar, Vinod, Gupta, K., & Kaur, Manmeet (2017) Financial Markets, Institutions and financial services. Delhi: *Taxmann Publications* (ISBN 978-93-86635-63-1).

Mehta, P. K. & Singh, M. (2017) Microeconomics, 2<sup>nd</sup> edition, New Delhi: *Taxmann Publications (P.) Ltd.* (ISBN 978-93-86635-17-4).

Shastri, Dharmendra Kumar (2018). Vaidik-Vividh-Vigyan, Delhi. *Vidyanidhi Prakashan* (ISBN 978-93-85539-40-4).

Singh, Meena (2017) Trade Cooperation Between India and NAFTA Countries, New Delhi: *Synergy Books* (ISBN 978-93-82059-70-7).

Singh, Preeti (2017) New Orientations and Terminological Interpretations of Medieval Indian Economic Historiography. *Periodic Research*, 5(1) 13-16 (ISSN 2231-0045) and. Franco-Tamil Architecture of Pondicherry- Enduring Symbol of an Invaluable Heritage. *Rencontre avec l'Inde* (French Journal published by ICCR) 46(1) 93-105 (ISSN 0970-4876) Translated into English.

### **Seminars organized**

The Department of Economics organised a Seminar on 'Stock market: Investing and trading' by Financial corridor on 26 October 2017.

One Day Seminar was organized on theme 'India in 2030' on 11 January 2018.

The Enabling Unit/ Equal Opportunity Cell of the college organised a one day Seminar on 'Disability and Modernity: Memories and Visions' on 25 January, 2018.

The Department of Hindi and Hindi Journalism organised a two day National Seminar on the theme '*Sahitya, Media Aur Hindi Lekhan*' on 23-24 February 2018.

The Department of English, organised a one day National Seminar on 'Outcast Voices and dislocated Identities: Reconsidering "Exile" in Contemporary Narratives' on 28 March,

The Department of Punjabi organised a one-day National Seminar on the topic *Punjabi Rangmanch: Sarokar ate Sambhavnav*.

### **Seminar/Conference Presentations**

Arora, G. K. addressed the Valedictory Session of PIO Parliamentarians' Conference held on 10 January 2018, presented a paper titled 'Diaspora in a Globalized World- The Way Forward' at International Conference on 'A Century of Abolition of Indentureship of Indian Diaspora and Contemporary Engagement Options for India' held at Jawaharlal Nehru University, New Delhi on 20 March, 2018, presented a paper titled 'Connecting with the Young Diaspora- Policy Options for India' at International Conference held at IGNCA, New Delhi on 22 April 2017.

Bala, Anju presented a paper titled '*Sahitya mein Rashtriya Mulyon ki Avashyakata evam Mahatava*' in One Day International Seminar organised by Maharshi Dayanand University on 30 July, 2017, presented a paper titled '*Fanishwar Nath Renu ke Upanyason mein chitrit Lok Sanskriti*' in One Day International Seminar organised by Pratikalpna Sanskritik Sanstha on 9-10 September, 2017 and presented a paper titled '*Valmiki Ramayan mein Saundarya Bodh*' in One Day International Seminar organised by and held at Maharshi Dayanand University, Rohtak, Haryana on 18 September, 2017.

Duggal, Renu presented a paper titled '*Bhakti Andolan aur Kabir*' in Two Day International Seminar on *Bhaktikalin Kavita: Bharatiya Sanskriti Ke Vividh Aayam* held at P.G.D.A.V. College, University of Delhi on 2-3 November, 2017.

Gupta, Preeti presented a paper titled 'Impact of Demonetisation on Indian Micro finance Industry: A Case Study of Margdarshak Financial Services Ltd' at 40<sup>th</sup> All India Accounting Conference and International Seminar on Accounting Education and Research organised by University College of Commerce and Management Studies in Association with Indian Accounting Association on 19-20 November, 2017.

Jain, Priya attended a National Seminar on 'Exile: Outcast Voices and Dislocated Identities' organised by the Department of English, S.G.N.D. Khalsa College, University of Delhi on 28 March, 2018.

Jha, Pravin Kumar participated in a National Seminar on '*Vartman Paridrishya me Rashtriya Patrakarita: Media aur Myth*', jointly organised by Media Scan and Indian Institute of Mass Communication, New Delhi on 20 May, 2017.

Kaul, Indra made a Plenary Presentation 'Towards an Alternative Historiography of Women' in the 4<sup>th</sup> JGU International Literary Conference organised by O.P. Jindal University, on 24-25 January, 2018.

Kaur, Bhupinder presented a paper titled '*Guru Nanak Bani Da Sarabkali Sandesh*' in Two Day National Seminar organised by International Centre for Sikh Studies on 16-17 February, 2018 and presented a paper titled '*Ramavatar tatha Ramayana Tulanatmak Anuvaad*' in an International Seminar *Bhaktikalin Kavita: Bharateeya Sanskriti ke Vividh Aayam* held at P.G.D.A.V. College, University of Delhi on 2-3 November, 2017.

Kaur, Jasmine & Kaur Gurneet presented a paper titled 'Women Entrepreneurship in 21<sup>st</sup> Century: Realities and Challenges' in National Conference on *Globalizing Brand India through Business Leadership and Digital Innovation* organised by Sri Guru Teg Bahadur Institute on Management and IT on 22–23 December, 2017.

Kaur, Vinay Neet presented a paper titled 'Rangmanch Samalochana de Mool Adhaar' at One Day National Seminar on *Punjabi Sahit de Vibhin Roopakar ate Viharak Samikhya* organised by Department of Punjabi, Dyal Singh College, University of Delhi on 19 April 2018.

Singh, Preeti presented a Paper titled 'Era of Globalisation and Dynamics of Women Empowerment in India', held at a National Seminar sponsored by Indian Council of Historical Research and held at S.P.G. College, Allahabad State University on 29-30 July, 2017.

### Placement Details

Number and percentage of students placed:	166
Number of companies visited for campus recruitment:	20

### Extension and Outreach activities

**Number of Extension and outreach activities organized:** 38

**Number of students who have participated in NSS events:**

At University level	55
At National level	10

Aswarai, our popular Sufi Indian band, won 23 awards in various events including five First prizes.

An Inter-College debating and quiz annual festival 'PRAKHAR 2K18' was held on 12-13 February 2018. 216 students from 40 different Colleges and institutions of Delhi-NCR participated in the event.

On 27 and 28 of July, 2017 NSS Elector's Photo Identity Card camp (EPIC) was held.

Swachhta Pakhwara was celebrated from 1-15 August 2017

NSS volunteers also participated in Rally for River campaign. Students took an oath to build a New India by 2022 underer '*Sankalp Se Siddhi*'. On 11 September, 2017, NSS volunteers were invited to attend the live webcast of Honorable Prime Minister Mr. Narendra Modi.

A Stem Cell Donor's Registration Drive was held on 26 September 2017, wherein along with two NGOs 'Win over Cancer' and 'DATRI' an awareness drive to fight Cancer was launched.

Our students actively participated in Rally for River event at Indira Gandhi Indoor Stadium addressed by Sadhguru Jagdish Vasudev- the founder of Isha Foundation.

Vigilance Awareness Week was celebrated from 15-19 January 2018 to make students aware of the need to fight against corruption and to promote probity in public life thereby achieving a corruption-free society.

A special event, 'TASHI'18', was organised especially for the students hailing from North Eastern states of India, on 22 March, 2018. With 'Tourism in Sikkim' as the theme, various educational Inter-College competitions and games were organised.

A Two-Day PAN Card Registration Camp was held on 13-14 March 2018.

### Library Development

General Funds:	1402
Students' Aid Fund:	127
BBE Fund:	24
Hindi Journalism Fund:	10
Journals subscribed	17
Magazines	30
Newspapers	21

**Faculty Strength**

Total number of Permanent Faculty:	50
Total number of Ad-hoc Faculty:	33
Total number of Guest:	5

**Financial Allocation and Utilization**

The Non-Plan Budget for the academic year 2017 – 18 is approximately 2626.00 lacs rupees.

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**SRI GURU TEGH BAHADUR KHALSA COLLEGE****Major Activities and Achievements:**

The College has acquired NAAC accredited with grade 'A' and CGPA of 3.41. The World Environment Day and The World Ozone Day was observed in the college on 5 June 2017 and 16 September, 2017 respectively, set up two compost pits, recycled waste paper, and reorganized Guru Har Rai Botanical Garden with medicinal plants. Foundation stone of Hari Singh Nalwa Boys' Hostel was laid on 22 January, 2018, by S. Hardeep Singh Puri, Union Minister of State, Urban Affairs. Two workshops on Gender based Legal Rights were also organized. The college developed e-content for six subjects. The e-PG Pathshala content is now being repurposed into MOOCs (Massive Open Online Courses). On SWAYAM portal, 42 MOOCs for PG courses have been contributed by the Centre for e-Learning (maximum by any institution in the country). Guru Angad Dev Teaching Learning Centre (GAD-TLC) received award for Empowering of Teachers at the National Level and has trained more than 3000 teachers in ICT skills and blended learning in class rooms.

**Honours/Distinctions**

Dr. G.S. Sodhi, Department of Chemistry has received Union Home Minister Award by Hon. Home Minister, Sh. Rajnath Singh for Excellence in Forensic Science on 10 February 2018.

Dr. Vanita, Department of Punjabi has been elected as the Convener of Punjabi language in 'Bharatiya Sahitya Akadmi' on 12 February 2018.

Dr. Vimal Rarh received an Award at the 'Global Education Summit-2017'.

Deepali Joon, Department of Zoology, was awarded with Sun Pharma Science Scholar award.

Centre for e-learning was invited to exhibit its e-content at the Global Education Summit-2016 an international exhibition-cum-conference held at New Delhi.

Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi was set up under the prestigious Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMNMNTT) scheme of MHRD, Government of India, for three subjects namely, Chemistry, Commerce and Economics with an allocation of Rs. 4.81 crores.

**Students with Distinctions**

Miss Shivani Kakkar B.A. (H) Punjabi III year stood first in University of Delhi examination, 2017 and was awarded Sardar Manmohan Singh Memorial Gold Medal.

Amoj Jacob has won Gold medal in 800m in field Championships Bhubaneswar, created new Junior National record in 400 mts. and also new meet records in All India Intervarsity Athletic Championships. He has also represented India in World University games (2017) in Taiwan. He qualified for South Asian Games 2017 held in Kuala Lumpur, Malaysia.

Akshay Nain has set a new record in Junior National for 100 mts. He also set a new record in DU Inter College athletics.

Gursher Singh Kolhi won the silver medal in double trap at All-India Intervarsity Championships.

In Athletics, the college won 7 gold, 5 silver and 3 bronze medals.

The college stood first in the inter-college tennis championships for the fourth consecutive year. Yashvardhan was selected for the Inter-University championships. Kamalpreet Singh has won 3 gold, 1

silver, and 1 bronze medals in Inter-college Gatra competitions, and has also represented University of Delhi. Nine students of the college Gatra team were selected and represented the University of Delhi at India Interschool Gatra Championships held at Sangrur. The team stood Second. The college students (both girls and boys) won 6 medals including 5 silver and 1 bronze.

### **Publications**

Sodhi, G. S. (2017) 'Multimetal deposition technique for detection of latent fingerprints: A review', *Egyptian Journal of Forensic Sciences*, 7. 1-7.

V., Kamra K., Negi R.K., Lal R. (2017) Complete genome analysis of *Thermus parvatiensis* and comparative genomics of *Thermus* spp. provide insights into genetic variability and evolution of natural competence as strategic survival attributes. *Frontiers in Microbiology*. 8:1410.

S.Goel, N. Sinha, H. Yadav, S. Godara, A.J. Joseph & B. Kumar (2017) "Ferroelectric Gd-doped ZnO nanostructures: enhanced dielectric, ferroelectric and piezoelectric properties", *Materials Chemistry and Physics* 202 56-64.

Dhalli, R. (2017) "The cult of Goga: A study of the Religious Process of a Popular Folk Deity in Rajasthan" In *Revisiting the History of Medieval Rajasthan: Essays for Professor Dilbagh Singh*, edited by Prof. R.P. Bahuguna, Dr Surajbhan Bhardwaj and Dr Mayank Kumar. *Primus Book*, Delhi 2018.

Gill, A. (2017) '1708: Dasam Guru di Dakhani Feri'. Satvic Publisher ASR ISBN 81-87526-56-4.

Kaur, S. (2017) Textbook of Fungi and their Allies. *Scientific International*. India.

Mohanty, B. (2017) *Administrative Theory*, Published by Centre for Distance and Open Learning, Jamia Milia Islamia, New Delhi.

Singla, P., Garg, N. (2017) Plant flavonoids: Keys to long-term harmony in mycorrhizal and rhizobial endosymbioses. In: Varma, A., Prasad, R. and Tuteja, N. (eds.) "Mycorrhiza: Function, Diversity and State-of-Art" Springer Verlag International Publishing, Germany, 4<sup>th</sup> edition. 133-176. ISBN: 978-3-319-53064-2\_8.

Thakur, B. K. (2017) *Linking Past and Future: The Requirement for a Comprehensive and Sustainable National Conservation Policy in India* published online. @ [icom-cc-publications-online.org/working-group-legal-issues-in-conservation/venue-Copenhagen](http://icom-cc-publications-online.org/working-group-legal-issues-in-conservation/venue-Copenhagen).

### **Research Projects**

SERB-DST Research Project (3 years) "Characterization of Free Living Ciliated Protists as indicators of pollution and their impact on the micro-ecology of river Yamuna flowing through National Capital Region (NCR) of Delhi, India" (Sanctioned amount: 63,26,840)

#### **In-house Projects:**

1 year. 'Cataloguing ciliates from Sewage treatment plants' (Sanctioned amount: 21,300)

'Effect of Mycorrhizal and/or Rhizobial Inoculation on growth and productivity of Groundnut (*Arachis hypogaea* L.) Variety'.

'Black Gold- usage and effect on plant growth'. The project work has been successfully completed.

'Raising Marigold (*Tagetes erecta* L.) Through Organic Farming.

#### **Seminars/ workshops organized**

An International Hindi Seminar on 'Vishv Patal Par Hindi Adhyapan Ki Chunaotiyan Aur Sambhavnayein' organized by Hindi Sangam Foundation on 15 September 2017.

National seminar on 'Guru Gobind Singh: Remembering Life and Legacy' organized on 27 September 2017. The former HRD minister, Shri Murli Manohar Joshi and former vice chancellor, Punjabi University, Prof. Jaspal Singh Patiala delivered their talk.

A two-day national workshop on New Vistas in Sports Law: Challenges and Opportunities, in collaboration with Indian Society for International Law, conducted on 9-10 September 2017 at Indian Society for International Law.

A lecture on *Forensic Documentation* was delivered on 16 October 2017 by Dr. D.R. Handa, Head, Documentation Division, Central Forensic Science Laboratory, New Delhi

A lecture on *Forensic Investigation of Arson* was delivered on 23 January 2018 by Dr. A.C. Anivashi Senior Faculty National Institute of Criminology and Forensic Science, New Delhi.

### **Conferences organized**

The two-day 'International Punjabi Conference, was organized on 2-3 March 2018. Dr. Manmohan Singh, former Prime Minister of India and an eminent economist and Satnam Singh Manak, Executive Editor of Ajit Group among other eminent speakers spoke about the mutually beneficial and enriching exchanges between language and literature in Punjabi, and the need for a re-assessment of the status of Punjabi in contemporary society

A workshop on "Novel Techniques of Fingerprints Development" for a batch of Police Officers from African countries was organised on 19 December 2017.

### **Seminars/Conferences/Presentations**

Dr. G. S. Sodhi presented a paper entitled 'Phase transfer catalysis in aid of fingerprint development' at the Eighteenth All India Conference of Directors of Fingerprint Bureaux, held on 30-31 March 2017 at Haryana Police Academy, Karnal.

Dr. Vanita presented a paper on 'Gender Studies' at Sahitya Akademi on 18 May 2017 and at the International Conference on South Asian Women by Disha : Association of Women, Ontario, Canada from 12-14 June 2017.

Dr. Surinder Kaur presented her research paper titled, 'Impact of *Prosopis juliflora*, an aggressive invader on soil microbial communities in its rhizosphere' at 8th World Congress of Allelopathy held at Marseille, France from 24-28 July 2017.

Dr. Nachiketa Singh delivered two lectures on India's Foreign-Economic Relations at Academic Staff College, Himachal Pradesh University, Shimla in July, 2017.

Dr. Rajshree Dhali presented a paper titled '18 century: An age of Rajput Makeover of folk cults in Rajasthan' on at the Annual Conference of India International Society for Eighteenth-Century Studies (IISECS) held at Jawaharlal Nehru University, New Delhi on 9 March 2018.

Dr. Bipin Kumar Thakur presented a paper titled 'India's Economic and Political March under Modi Government: A New Idea of Inclusive Growth' at the Budapest Business School, University of Applied Sciences at the Oriental Business and Innovation Centre (OBIC) Conference held on 17-18 May 2017 in Budapest, Hungary.

Harpreet Kaur, Shashi, Surinder Kaur, Laxmi Narula, Komal Kamra, Rup Lal, Alan Warren presented a poster on 'Soil Contamination Reflects Changes in Ciliated Protist Community' at INSCR International Conference on 26-28 Sept 2017 at the University of Delhi, Delhi, India and awarded Best Poster in Conference under Plant - Animal Theme.

### **Number and name of Domestic/ International (MoUs) signed with partners.**

The college has signed an MoU with University of Carleton for joint research projects including an exchange program for teachers and students, setting up of Science Research Centre at our college and organizing joint Teachers Training Program for new age teachers.

The college has signed an MoU for international collaboration with the University of the Witwatersrand, Johannesburg, South Africa, covering exchange of students and staff, joint research and projects, exchange of publications, and participation in doctoral and research programmes.

### **Placement Details**

Percentage of students placed: 65, 75%.

Number of companies visited for campus recruitment: 42

### **Extension and outreach Activities**

The college students participated in extensive cleaning of areas around Delhi Vishwavidyalaya metro station under 'Swachh Bharat Abhiyan' initiative from 1 to 15 August 2017. Friendly basketball match between wheelchair users and students to mark 'Spinal Cord Injury Day' on 5 September, 2017. Road Safety Awareness Camp was organised in February 2018. 'Bone Density Health Camp' was organised with ICC

(Internal Complaints Committee) on 23 February 2018, in the college premises. International Day of Yoga was organised on 26 June 2017 in college premises.

### **Library Development**

The library is connected with Delhi University wide area campus networking system to NLIST (National Library and Information Services Infrastructure for Scholarly Content) and provides access to electronic resources to its users from Delhi University Library System (DULS) and UGC-INFONET Consortium. The library is computerized and books are easily accessible through OPAC (Online Public Access Catalogue). About 32 CCTV cameras installed in the library for security. Workshops & Training Programs are conducted for students at the commencement of the session.

College Post "The Higher Education Journal" Published by Niti Ayog has been subscribed by the Library for the period (2017-2018). Two Laptops installed for Visually Impaired Students to access Online Resources and Audio material from Braille Library website and around 2000 books have been added to the already existing collection.

### **Faculty Strength**

Total number of Permanent Faculty: 98

Total number of Ad-hoc Faculty: 63

### **Financial allocation and utilization**

Grant sanctioned: Rs. 42,12,66,832/-

Grant Utilized: Rs. 39,20,34,819/-

### **Other Significant Information**

We are taking significant strides in infrastructure expansion, upgrading our science laboratories, sports and extra-curricular facilities and the library resources. Besides this, our teachers are constantly engaged in developing new pedagogical skills that are in tune with the advancement in Global E-Learning processes. The GAD-TLC has the mandate to be the OER (Open Educational Resource) provider in Chemistry, Commerce and Economics. For OER, the centre has innovated unique 'e-Teacher's Kit' which shall be prepared by teachers through these workshops and shall be made available to all the teachers at National Level. These kits are being developed for theory as well as practical based papers. The centre has state-of-art facilities consisting of one modern fully equipped training lab, core team meeting room, reception for registration, one audio-video studio with modern equipment. GAD-TLC is now working towards taking these workshops to teachers through Master Trainers to spread the knowledge of ICT tools. To supplement classroom teaching with visual aids, twenty-seven Wi-Fi enabled projectors have been installed in laboratories and the seminar room. The college has upgraded 7 science departments with huge amounts. For round-the-clock surveillance, the college campus is connected through Closed Circuit Television Camera System.

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## **ST. STEPHEN'S COLLEGE**

### **Major Activities and Achievements**

St. Stephen's College has had a very fruitful academic year. St Stephen's College was placed at All-India number two position in the NIRF rankings. Fourteen non-teaching staff positions were filled following due procedures. Alumni portal of College was launched. The office block of College was renovated keeping in mind environmental factors and optimization of space.

### **Honours/Distinctions**

Dr. Malay Neerav: Best faculty award, awarded by Enactus India, a part of SIFE (an NGO).

Dr. Bikram Phookun: The Indian National Science Academy (INSA) Teachers Award

Dr. Renish G Abraham visited the University of Cambridge on the 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> of October, 2017 as Teape Lecturer and delivered three public lectures on "Negotiating Hinduism and Christianity in the History of Kerala"

Dr. C. B. Jha received following two prestigious AWARDS during 2017-2018:

“ATAL MITHILA SAMMAN” Award, instituted by Hind Media Post and “VIDYASAGAR SAMMAN Award”, Instituted by Mandakini Sanskrit Vidwatparishat.

Dr. Jyotirmoy Maity had over five International publications during the year.

Dr. Sanil Unnikrishnan was visiting associate to the Inter-University center for Astronomy and Astrophysics, Pune.

### **Students with Distinction**

Mr. Srijit Seal and Ms. Mudra Raheja conceptualized and co-ordinated the National Conference on scientific innovations- a two day event.

Several students excelled in extracurricular activities conducted through the Societies in College.

Students continued to fare well in sports.

### **Publications**

Karen Gabriel, “Power of Porn Cultures”, In Nick Buxton and Deborah Eade (eds.), The State of Power Report, Amsterdam, The Transnational Institute (TNI), 2017.

Priyanka Thakral, S. Kukreti & A K Bakhshi. *In-silico* metaheuristic tailoring of quaternary copolymers; *Emerging Materials Research*, 6(2), 1-9, ISSN 2046-0147.

Jyotirmoy Maity, Neha Rana, Manish Kumar, Vinod Khatri, and Ashok K. Prasad. Enzymatic separation of epimeric 4-C-hydroxymethylated furanosugars: Synthesis of bicyclic nucleosides. In Beilstein. *Journal of Organic Chemistry*, 2017, 13, 2078-2086.

Singh, Digvijay Kumar, ‘Jews and Maritime Trade of Malabar, c. 11<sup>th</sup>-13<sup>th</sup> Centuries: Gleanings from the Business Letters from Cairo Geniza’, in Pius Malekandathil, Lotika Varadrajan and Amar Farooqui, eds., India, the Portuguese and Maritime Interactions, New Delhi: *Primus Books*, 2018.

### **Research Projects**

DRDO, 3 years, Development of macrocyclic receptors, 10 lakhs

DST, 3 years, Development of optical sensors, 15 lakh

DST, 3 years, Exploration of high performance polymers and nano-fillers to develop futuristic adhesives for joining metals, 3040000

### **Seminars Organized**

Prof. Bharat Ratna, Centre for Theoretical Physics, August 14, 2017

Vice Admiral Retd. Pradeep Chauhan, Maritime security and why you should care?, February 2, 2018

Brig. Retd. B D Mishra, Interactive Seminars with Brig Retd. BD Mishra, September 9, 2017

Ms. Ira Singhal, Interactive session with Ira Singhal, February 2, 2018

Ms. Lalini Veerassamy, Migration crisis, June 1, 2018

### **Conference Organized**

Academic Conclave was organized on 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of March.

Over 100 talks by variety of professional across academic, sports, gender sensitization and other fields.

National Conference on Chemical Sciences, opportunities and challenges (NCCS-2018).

State level symposium on Algebra and its applications.

National Conference on “Enroute: Migration, narratives history and technologies.

Workshop series on mental health for students, faculty and non-teaching staff.

### **Seminars/Conference Presentations**

Dr. Karen Gabriel was invited to present a paper, “Future Tense: Prospects for the Humanities”, Resource Person for the Curriculum Seminar-cum-Workshop titled ‘The Future of Humanities in the 21<sup>st</sup> Century’, March 24-25, 2018, organized by and at the School of Liberal Arts and Human Sciences, Auro University, Surat, Gujarat.



Dr. Sanil Unnikrishnan Presented a Seminar on “Consistency of the Inflationary Consistency Relation” at IUCAA, Pune on July 11, 2018.

Dr. Tasneem Suhrawardy presented a paper entitled, Inverting the truth: Humor, Wit, and satire in the Persian sources in the 16<sup>th</sup> century in National seminar on “Exploring Medieval India through Persian sources” at National Mission for Manuscripts and Centre for advanced study, Department of History, Aligarh Muslim University.

Dr. Naina Dayal Presented a paper titled “Sutas, Nastikas and Retelling the Mahabharata’ at an international seminar on ‘Questioning Paradigms, Constructing Histories: A Festschrift for Romila Thapar, organized by The Book Review Literary Trust (and Kumkum Roy and Naina Dayal) at the India International Centre, New Delhi, March 15-17, 2018.

Dr. Sujoy John Presented a Paper at International Sports Management on March 8-10, 2018 08.03.2018.

Dr. Ekta Kundra presented a paper on ‘Investigation of toxic metabolism’ on National Science Day organized by IAS, Delhi and INSA, Bangalore.

### **National/International MoUs**

MoU with Soka University, Japan and Middlebury University.

### **Placements details**

Number of students placed: 53 with pay package ranges from 9.3 to 31 Laks per annum

Number of companies visited campus: Approximately 90

### **Extension and Outreach activities**

In February 2018, we had a visit by Venerable. Tashi Namgyal from the Spiti Development Society where he urged us to support the school in Spiti valley.

Hugely Successful Blood donation camp

Health awareness programmes

Stem Cell donation awareness, drive and

Organ donation drive

Green Diwali campaign

Earth hour and several motivational talks.

### **Library Development:**

The College Library continued to develop its acquisitions and holdings and there was an increased spending on automation this year. Special exhibitions on Health and “College authors” were also held.

### **Faculty Strength**

Total number of Permanent Faculty: 61

Total number of Ad-hoc Faculty: 30

### **Financial Allocation and Utilization:**

Grant Sanctioned: Rs. 273,877,000/-

Grant Utilized: Rs. 255,286,527/-

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## **SWAMI SHRADDHANAND COLLEGE**

### **Major Activities and Achievements**

A separate air-conditioned reading room, a separate well-maintained cabin for visually handicapped students of the college and an Internet browsing facility has been provided in the library

## Students with Distinctions

College Cricket Team became inter college champion, consecutively for the fifth time. Rohan Rathi has contributed immensely by scoring three centuries in three consecutive inter-college matches. The team has won the 1<sup>st</sup> Inter College DDCA cricket tournament by defeating GGSCC in the finals. Himanshu Rana, Shubham Dahiya, Lalit Yadav and Rohan scored double century in Inter College DDCA cricket Tournament. The team also won the Gold in IInd T-20 Vikrant Memorial Cricket Tournament held at Una (HP).

Himanshu Rana, B.A. (P) II year represented India U-19 cricket Asia cup and World Cup and become the Man of the Series in Asia Cup Championship and Captain of U-19 Cricket Team.

Anuj Rawat, B.A. (P) I year represented India U-19 cricket Asia cup.

Deepak Khatri, Rohan Rathi, Jitesh Saroha, Manish, Subham Dahiya, Ramesh Prasad and Lakshya Thareja were selected for Delhi University Cricket Team for North Zone held at M.D. University Rohtak.

Lalit Yadav and Gaurav were selected for Delhi U-23 and Ranji Trophy.

Jitesh Saroha was selected for Haryana U-23 and Ranji Trophy.

Mohit Hooda was selected for Haryana U-23 as captain of the team and selected Ranji Trophy also.

Subham Dahiya was selected for North India in Vizy Trophy and became the man of match in semi final and final of the tournament.

Rohan Rathi and Saket Aggarwal were selected for Haryana U-23 Cricket.

Akhil Kuhar and Sagar Khatri were selected for Haryana U-19 cricket.

Jatin Shokeen was selected for Delhi U-19 Cricket.

Rohan Rathi was selected as Captain for Delhi University Cricket Team which participated in NORTH ZONE Inter University Cricket Championship.

Swami Shraddhanand College wrestling team became the champion in Inter College free style and Greeko Roman Wrestling Competition.

The winners under Free style includes” Pravesh Rana, B.A. (P) II year won the Gold Medal in 57 kg. weight category. Lokesh, B.A. Hindi (H) II year won the Gold Medal in 60 kg. weight category. Anuj Tushir B.A. (P) I year won the Gold Medal in 70 kg. weight Category. Pradeep Tomer, M.A. Hindi final year won the Gold Medal in 74 kg. weight Category. Sumit, B.A.(P)I year won the Silver Medal in 97kg.weight category and Ankit, B.A.(P)I year won the Gold Medal in 125kg.weight category. The winners under Greeko Roman includes Pappu, M.A.Previous year won the Silver Medal in 55kg weight category. Sachin Rana, B.A. (H) II yearwon the Gold Medal in 60kg. weight category. Sandeep, B.A. (H) I yearwon the Gold Medal in 63kg. weight category.Satpal Dahiya, B.A. (H) III yearwon the Gold Medal in 67kg. weight category. Veer Singh, B.A. (H) I yearwon the Gold Medal in 72kg. weight category and Bhanu Parksah Khatri, B.A.(P)II year won the Gold Medal in 97kg.weight category.

In the Inter College Athletic Championship Pushp Tomer won the Silver Medal in Discuss.

Badal won the Gold Medal in open in 87 kg. weight category in the Inter College Taekwondo Competition also represented Delhi University in All India University Taekwondo championship held at GNDU Amritsar.

College team won the Gold Medal in Inter College Kabaddi Tournament.

## Publications

Saraswati Kanodia Published a paper titled “Conversion of Urban waste into highly nutritious food by Pleurotus cultivation” in IOSR-Journal of Biotechnology and Biochemistry, vol.3, no.4, 2017, pp.15-1

Pradeep Pratap Singh contributed four chapters in International Books namely “Recent trends in sol-gel based nanoceramics” published by Pan Stanford: Singapore, 2017. (ISBN: 9789814774307), “Ruthenium compounds: A new approach in nanochemistry” published by Pan Stanford: Singapore, 2018. (ISBN: 9789814774390); “Nanotechnology: An emerging field for sustainable water resources”, publishedby Wiley-Scrivener, USA. (ISBN: 9781119323594); “Biopolymers: Recent trends and their applications”2017, 271-286, published by Nova Science, New York, USA. (ISBN: 9781536118469).

Minakshi, R., Rahaman, S., Jan, A. T., Archana, A. and Kim, J. (2017) Implications of Ageing and Endoplasmic Reticulum Unfolded Protein Response (UPR) in the Molecular Modality of Breast Cancer. Nature Experimental & Molecular Medicine. EMM2017173RR (Impact Factor 5.164) (49): e389.

Rahaman, S., Archana, A., Azam, M. and Minakshi, R. (2017) Role of osmolytes and their transporter systems in pathogen survival and pathogenicity. *Current Drug Metabolism*. BSP-CDM- 2017-HT8- 40. (Impact factor 2.74). [In print].

A. Archana, Lakshna Mahajan, Safikur Rahman, R. Minakshi. (2018) Invited Chapter "Post Translational Modifications in Human Therapeutics produced in Plant-Expression Systems" for book "Dar - Protein Modificomics". Elsevier Publications. (In press). ISBN: 978-0128119136.

Tyagi Ashish, Anjali Maan, Dharamvir Singh Ahlawat, Vinod Prasad (2017) "Effect of aligning pulse train on the orientation and alignment of a molecule in presence of orienting pulse" *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 173 (2017) 13–18

### **Seminars/ workshops organized**

Mrs. Ruchika Gulati organised One Day National Seminar on 'Autobiography : Writing Self, Society and Nation', at Swami Shraddhanand College, Delhi University on February , 28th, 2018

Dept of zoology One day symposium on "Biotechnology and Human Health" at Swami Shraddhanand College, Alipur, Delhi-36 on January 12, 2018. Professor Yogendra Singh delivered a talk on Bacterial Pathogenesis and Prof. M. Hussain talked about HIV.

### **Conference Organized**

Department of Botany and Society for Environment and Development, India (SED-INDIA) organized the three-day national conference on "Emerging Environmental Challenges and Sustainable Development-2018 (EECSD-2018)" on 21-23 March 2018.

The Department of commerce organized an International conference on "Sustainable Development of The society: Current Trends and Future outlook" on 26-28 August 2017.

The Department of Computer Science organised a one day workshop on "Big Data Hadoop" in association with IBM on 22 March 2018.

Department of English organised a National Seminar on "Autobiography: Writing Self, Society and Nation" on 28 February 2018

### **Seminars/Conferences/Presentations**

Dr. Saraswati Kanodia presented a poster on 'Microwave Accelerated Green method for the selective chlorination of 1,4-Quinones' presented at UGC sponsored National Conference organized by Aditi Mahavidyalaya Univ. of Delhi, Delhi on 10-11 Oct. 2017.

Dr. L. R. Paliwal, presented a paper on 'A Conceptual Study on: Impact of Digital India Campaign on Digital Marketing' in an International Conference organised by INSPIRA RESEARCH ASSOCIATION (IRA), Jaipur, Rajasthan at (Venue) LBS PG College, Jaipur, Rajasthan on 02-03 February 2018.

Dr Jagbir Singh kadyan served as an Organising Secretary in 6<sup>th</sup> International Conference on, "Sustainable Development of the Society: Current Trends & Future Outlook" IC-SDSCTFO-2017, Organised by Dept. of Commerce, Swami Shraddhanand College, University of Delhi in association with South Asia Development Association on dated, 26-28 August 2017.

Ms. Chetana Hooda presented a research article in the Department of English seminar on Autobiography titled "Binodhini Dasi: An Alternate Chronicler".

Dr. A.K. Dubey delivered University Series Lecture on topic "The Ethics of Research and Plagiarism in the Higher Education" at Vinoba Bhawe University, Hazaribagh on 8 May 2017.

### **Library services**

The college offers ample reading room and library to the students and faculty. There are about 1,00,000 books in the library at present and about 2,000 books are added every year. The library is housed in the spacious two floor annex of the new college building. The library subscribes to more than 40 journals and periodicals and 24 newspapers which provide the latest information on current events and affairs. Large-scale computerization of the library is under progress and internet facility is already available in the college. Computer room in the library will soon be fitted with air conditioners. A display board displaying the latest books and periodicals has been set up in the reading room which is of great help to students and teachers alike. A separate reading room for teachers is ready provides the much-needed space for teachers to work and prepare their lectures. Differently abled members have been provided a separate well maintained cabin with computer facility. To search different type of E-materials, Internet browsing facility is available in the library.

## Extension and Outreach Activities

Women development cell

Organized different activities in the college:

Poster Competition was organized on “The Power of Adolescent, Vision 2030”. It was the theme for International Girl Child Day 2017.16.10.2017

A seminar on “Why my knee hurts?” 14 November 2017 by speaker, Dr. Shekhar Srivastav, Senior Consultant, Orthopedic Department

A ten day Self-Defence Workshop for girl students was organized from 15- 27 February 2018 by Delhi Police under the initiative ‘Sashakti’. The training was imparted by Head Constable Mrs. Bharti Wadhwa and Constable Miss Sunita Yadav. The occasion was graced by DCP Rishipal, ACP Sunita Sharma (Special Police Unit for Women and Children, PTS Malviya Nagar, New Delhi), ACP Dinesh Kumar, ACP Rajneesh and SHO Suresh Kumar.

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## VIVEKANANDA COLLEGE

### Major Activities and Achievements

The college was accredited with Grade ‘A’ by the NAAC Peer Team. The IQAC has sincerely strived to initiate a mutually learning and growing ambience in the college premises. Its noteworthy endeavours are: By the Faculty, For the Faculty lecture series: One teacher from each department gave presentation on a topic of common interest and importance for all faculty members. The college also organizes Parents Teachers meetings in each Department and take feedback from students on various aspects of campus life

### Students with Distinctions

College won the first prize in the competition held by the prestigious NIMHANS, Bangalore during the mental awareness week

The College Hockey team was placed 4<sup>th</sup> in the Inter College Tournament held in November 2017.

The College Yoga team secured 1<sup>st</sup> position in National Yoga Championship in 2017 held at Panipat.

### Publications

Jain, S., Jain, P., Jain, S. (2017) Generalized convolution inequalities and application Mediterr. *J.Math* .14:159.

Mishra, R. and Sondhi, V. (2017) “Eliminating child-care residential institutions from the national scenario: Is it warranted?” *International Journal for Social Development*, 5(4), 14-33.

Pde, Sophia. (2017) ‘Folklore, Identity and Change: The Khasis of Meghalaya’. *International Journal for Innovative Research in Multidisciplinary Field* , 3 (2). ISSN: 2455-0620.

Suri, Dr. Sukhneet; Jan, S., & Suri, S. (2017) “Assessing consumer behaviour for value added innovative products.” *International Journal of Home Science*, 3(2), 572-576.

Sunil, S. & Verma S.K. (2018) “Moral Socialization: The Role of Parents.” *International Journal of Social Science Review* 6(1), 165-170

Kalia, Yojna and Kumari, Saroj. (2017) *Stri Lekhan ka Doosra Paridrishya*; Bhawna Prakashan; ISBN - 978-81-7667-337-2

Seth, S., Bhatia, H., and Chadha, N.K. (2018) *Counselling Skills: Knowing Self and Others*. India: The Readers Paradise. (ISBN:978-93-85958-89-2)

Mishra, Y. (2017) “Role of Women in the Indian Freedom Movement.” *India Foundation*, 4 (July-August). ISSN 2347 – 1522

Nandrajog, Hina. (2017) ‘Echoes of the Flute: Songs and Stories of Love and Longing of the Gaddi Tribe’ *Re-Storying the Indigenous and the Popular Imaginary*. New Delhi: Authorspress. Pg. 77-95. ISBN 978-93-5207-385-6

Nandrajog, Hina. (2018) ‘Refugees of the Partition of India: Trauma and Strategies of Recovery’ *The Psychological Impact of the Partition of India*, eds. Sanjeev Jain & Alok Sarin. New Delhi: Sage Publications. ISBN 978-93-528-0650-8(HB)

### Research Projects

UGC 12<sup>th</sup> Plan Funds for Research & Innovation Club constituting of teachers (Dr. Sukhneet Suri as convenor and Dr. Arushi Jain) and student members from B.A. (Prog.) Rs. 27,300/-

### Seminars Organised

IQAC of the college organized a National Seminar on “Quality Management Systems for College Administration” on 12 February, 2018.

### Seminar/Conferences Presentations

Dr. Hina Nandrajog “Montage of Conflict and Trauma: Partition Literature and Translation,” ‘Conflicting Ideologies and Cultural Mediation – Hearing, Interpreting, Translating Global Voices’, The 8<sup>th</sup> Asian Translation Tradition Conference at School of Oriental and Asian Studies, 5-7 July 2017

Dr. Hina Nandrajog “Poisoned Rivers: Partition in Punjabi Literature” International Interdisciplinary Seminar entitled India @ 70: Memories and Histories at IIT, Kharagpur, 3-4 January 2018.

Dr. Neeta Mathur presented paper and her paper published ‘Hindustan Shahtriya Gaan Vidhaon me braj bhasha sahitya ka yagdan’, held by Department of Music, Mumbai University, 10th January, 2018

Dr. Sunil Verma and Dr. Shivantika Sharad “Masculinity is a trap: a study on managing gender dynamics, male victimization and marginalization” presented at NAOP held between 22<sup>nd</sup> to 24<sup>th</sup> December 2017

Dr. Sandhya Jain “Weighted norm inequalities involving various convolutions” Dr. Sandhya Jain at IMS from 12-15 Dec. 2017

### Placement Details

Number and Percentage of Students Placed: 98

Number of Companies visited for campus recruitment: 15

### Library Development

Library collection has reached to 63155 books along with 46 periodicals, audio-visual material and e-resources. This year Library recorded approximate 40072 footfalls along with more than 31000 circulation transactions. 234 students benefitted from Book Bank scheme and 678 books were issued in the current semester. Transactions through Inter Library Loan of DELNET were also carried out.

### Faculty Strength

Permanent Faculty: 45

Ad-hoc Faculty: 60

### Financial Allocation and Utilization

Grant sanctioned (UGC): Rs.33,32,85,000/-

Grant sanctioned (Delhi Govt.): Rs.30,00,000/-

Grant Utilized (UGC): Rs.17,98,31,292/-

Grant Utilized (Delhi Govt): Rs.76,17,480.60/-

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## ZAKIR HUSAIN DELHI COLLEGE

### Major activities and achievements

The College organized two international conferences in collaboration with University of Delhi, Nehru memorial Museum and Library and Embassy of Vietnam. The College was also a partner in the regional conclave on ASEAN@50 and India-ASEAN relations held in Bengaluru. At the 60<sup>th</sup> Delhi University Flower Show, the college won a total of 125 prizes and 11 cups. Our Herbal garden won the Meenakshi Gopinath cup for the fourth consecutive year. The Rose and Rock gardens won the second prize in their respective categories. The theatre society of the college, AMAN's production *Akee*, was adjudged the best-directed play in Sahitya Kala Parishad's Mahavidyala Naatya Samaroh. AMAN's second production *Meer*, an adaptation of Shakespeare's *Macbeth*, was the runner-up in Shakespeare Society of India's National Drama Competition.

### Honours/Distinctions

Zakir Husain Delhi College Won the Best Website Award on 96<sup>th</sup> Foundation Day of the University of Delhi held on 1 May, 2018 – College Category.

The college won Plastic Free College of the Year Award at the National Environment Convention 2018 (47<sup>th</sup> World Environment Day Celebrations) jointly organised by Indian Institute of Ecology and Environment, New Delhi and National Institute of Cleanliness Education and Research (NICER) on 5-6 June 2018.

### Students with Distinctions

The college football team won the National Football Championship organized by Reliance Foundation Youth Sports.

The men's judo team won the inter-college competition organized by the Delhi University Sports Council.

Two NCC cadets and seven cadets took part in of in the Republic day parade and the Amar Jawan Jyoti Ceremony respectively

### Publications

Bhargava, M, Wattal, R.K., Jehan, T., Kumar, S. and Kumari, S. (2017) Phytochemically Unexplored Medicinal Plants: An Introduction. *Scope of Phytochemically Unexplored Medicinal Plants*. New Delhi, Delhi: Enriched Publications.

Chaturvedi, N. (2018) Christian Devotional Poetry and Sanskrit Hermeneutics. *International Journal of Asian Christianity*, 1(1), 64-90.

Khan, I., Raza, N. (2017) *Emerging trends in academic libraries and librarianship*. New Delhi, Delhi: Book Age Publications.

Mathur, P., Singh, V.P., Kapoor, R. (2017) Interactive effects of CO<sub>2</sub> concentrations and *Alternaria brassicae* (Berk.) Sacc. infection on defense signalling in *Brassica juncea* (L.) Czern. & Coss. *European Journal of Plant Pathology*. (<https://doi.org/10.1007/s10658-017-1328-7>).

Naqvi, S.A. (2018) 'Higher Education, Autonomy and Social Justice: Keeping the Poor, Poor'. *Revolutionary Democracy*, XXIV(2).

Qasim, Mohd, (2017) *Namazaur us kiRooh*. New Delhi, Delhi: Al Ittehad Publication Pvt. Ltd.

Quamruddin, Md. ed. (2017). *Arabi Me MaharatKeTareeqe*. New Delhi, Delhi: JMC India Publishers Pvt. Ltd.

Singh, Shraddha A. (2017) "Forging a Digital and Public Identity: The Self-fashioning of Margaret Atwood", *Lapis Lazuli: An International Literary Journal*, 7(1), 413-426.

Trivedi, Sonu, Sinha, Shakti eds. (2018) *Emerging Horizons in India-Vietnam Relations*. New Delhi, Delhi: Pentagon Press.

Trivedi, Sonu (2018) Balance-sheet of India-ASEAN Partnership@25, *India Foundation Journal*, 6 (1) 23-31.

### Seminars Organized:

National Conference on "Genetics – Environment Interface: Science and Spirituality" was organized by Department of Botany on 25 January 2018. Hon'ble Union Minister Dr. Harshvardhan delivered the inaugural address at this conference.

One day seminar on "Artificial Intelligence" was organised by the Department of Chemistry in October 2017.

English Literary Society organised 3<sup>rd</sup> Annual National Students' Seminar on 28 February 2018. Dr. B. Mangalam delivered the keynote address.

A two-day national seminar was organized on "Indian Dalit literature and Gender Consciousness" by Hindi Sahitya Sabha on 11-12 October 2017

### Seminar/Conference Presentations

Dr. Abdul Wahid Farooqi presented two papers in international conferences organized by Department of Commerce, Aligarh Muslim University and Department of Commerce, University of Lucknow

Dr. Mohammed Afzal presented a paper in the national seminar organised by Department of English, Aligarh Muslim University on 25-26 October 2017.

Dr. Suraiya Khan presented and published a paper in an international conference held at PGDAV College. In addition, she presented four papers in national conferences.

Dr. Ariba Zaidi presented a paper at the Third International Conference on Philosophy of Mind at the School Of Medicine, University of Minho, Portugal. She also presented a paper in the International Conference at Sri Mata Vaishno Devi University, Katra.

Dr. Md. Aftab Alam was invited to deliver talks at various institutions including UGC Academic Staff College, JMI, New Delhi, Asian Human Rights Commission, Hong Kong, International Islamic University Malaya, Kuala Lumpur, Malaysia, University of Malaya, Kuala Lumpur, Malaysia, Okan Universitesi, Istanbul, Turkey, Universitas Padjadjaran, Bandung, Indonesia, University of Westminster, London, UK, University of California Los Angeles (UCLA), University of Southern California (USC), Los Angeles, and University of Nevada, Las Vegas, USA in 2017.

### **Placement Details**

Number of students offered jobs: 54

Number of students received internship opportunities at The Job Fair 2018:100

### **Faculty Strength**

Total number of Permanent Faculty: 138

Total number of Ad-hoc Faculty: 80

### **Financial Allocation and Utilization**

Grant sanctioned:Rs. 4,49,97,000/-

Grant Utilized:Rs. 4,51,36,000/-

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## **ZAKIR HUSAIN POST GRADUATE EVENING COLLEGE**

### **Major activities and achievements**

The 2<sup>nd</sup> Annual Convocation of the college was held on 2nd April, 2018. The Chief Guest for the occasion was Professor Jagadish Mukhi, Honourable Governor of Assam. 3rd International Yoga Day: It was celebrated on 21st June 2017. Swachhta Pakhwara was celebrated during 1-15 August 2017. Rashtriya EktaDiwas was organized on 31 October 2017 on which students and the faculty members took the Unity pledge. On 7th February 2018, an All India Mushaira was organized which was presided over by eminent Urdu poet & scholar Prof. Shahper Rasool, Vice -Chancellor, Delhi Urdu Academy and Head of the Department of Urdu (JMI).

### **Honours/Distinctions**

Dr Munshi Md. Younus, Department of Bengali, received a token of honor from Barak Upotokka Bongosahitya O sanaskriti Sommelon, Assam, on 14 October 2017.

Dr Manjula Gupta, Associate Professor, Department of Sanskrit, was awarded the Sanskrit Samaradhak Samman 2017-18 by Delhi Sanskrit Academy.

Dr Anju, Department of Sanskrit was awarded the Sanskrit Samaradhak Samman 2017-18 by Delhi Sanskrit Academy.

Dr Babli Parveen, Department of History, was awarded the Young Academician Award for contribution in Education, 6th Global Economic Summit, WTC, Mumbai, 21 March 2017 and Women Educationist of the Year award for brilliance in the field of education and literature, 7th Asiad Literature Festival, IIC, 17 March 2018.

### **Publications**

Babli, P. (2017) *Islam in India* (ed.). Paris: Manakin Press.

Khursheed, A. (2017) *Intekhabe Nasre Classic e Farsi*. New Delhi: Great Book Contractor.

Madhumita, C. (2017) *English Communication Skills*. New Delhi: Macmillan India.

Chaudhary, M.A. (2017) Totally Real Sub-manifolds in a generalized complex space form. *Asian European Journals of Mathematics*, 10(1).

Younus, M.M. (2018) *Mohasutra*. Kolkata: Shambhabi.

Younus, M.M. (2018) *New Delhi Junction* (ed.). New Delhi: Hawakal

Baishya, S.K. (2017) Theatre of the Spectacle: A Study of Bhraamyamaan Theatre in Assam. *The Creative Launcher*, 2(5): 99-108.

Baishya, S.K. (2017) The Popular Dimensions of Bhraamyamaan Theatre in Assam. *The New Man International Journal of Multidisciplinary Studies*, 4(11):5-11.

Subrat K Rout. (2017) Caste Hierarchies & Social Tensions in Cuttack: 1920-30. *History & Sociology of South Asia*, 11(2).

Vikas Singh. (2017) *Natakiya Paaribhashik Shabdavali*, New Delhi: Sanjay Prakashan.

### Research Projects

UGC Research Project: Hindi Rangmanch ke Vikas me Natya Sansthaon ka Yogdaan by Dr Anil Sharma, Assistant Professor, Department of Hindi

### Seminars Organized

The College organized the Third Mirza Mehmood Memorial Lecture on 11 April 2018. Padmashree Professor Sukhadeo Thorat delivered a lecture on 'Minorities and Challenges of Higher Education'

Student union of the college organized a seminar on career counselling and management and a lecture on. The Sahitya Akademi Yuva Puraskar winner, Nilotpal Mrinal delivered the lecture on "Literature and Politics".

The Film and Photography Society and English Literary Society of the College jointly organized a lecture by Dr Ravikant from CSDS, Delhi on *Literature, Cinema and Partition*.

Eco Club in association with Environmental Society organized a lecture on "Wetland: Importance, Conservation and Restoration" on 01 February 2018. Mr. Nawin Kumar Tiwari, IP College for Women, University of Delhi delivered a lecture on wetlands, their functions, importance and status of wetland in India.

Department of History organized two lectures On 27 March, 2018. Professor Partho Datta (JNU) delivered a lecture on the 18th century Indian History.

### Conferences organised

Eco-Club of the college organized its third national conference on the topic "Environmental concerns of 21<sup>st</sup> century: Indian and Global context" on 27- 28 March 2018 in association with Department of Environmental Studies, University of Delhi.

The Department of Philosophy organized a two-day National Workshop on the 'Philosophical Thoughts of Dr B.R. Ambedkar' on 23-24 March 2018.

The Department of Political Science, in collaboration with National Service Scheme (NSS), organized a national conference on the topic "Dalit Politics in 21st Century: Ideology, Agenda, Leadership" on 22-23 March 2018.

The Gandhi Study Circle, in association with Gandhi Smriti and Darshan Samiti and Indialogue Foundation, New Delhi, organized a National Seminar on "Revisiting Champaran: Challenges of Satyagraha in 21<sup>st</sup> Century", on 16-17 October 2017. The Vision Indian Research Centre (VIRC), New Delhi was the academic partner of the conference.

Department of Sanskrit organized a two days National Symposium on "Understanding Ashoka and Ashokan Brahmi" on 10-11 April 2018.



### **Seminar/ Conference Presentations**

Dr Sanjib Kumar Baishya, Department of English presented a paper titled “Voices from the Margin: A Study of Women Characters in Select Movies by Bhabendranath Saikia” in a National Seminar “Recasting the Subaltern: Visual Media in the North-East India” organized by the SC/ST Advisory Committee and the North-East Society, Satyawati College, University of Delhi on 31 January 2018.

Dr Sanjib Kumar Baishya, Department of English, presented a paper titled “The Silenced Voices: A Critical Analysis of *Train to Pakistan* and its Cinematic Adaptation”, in a National Seminar on “Decoding the Partition L(i/a)nes: Reflections on Language, Literature and Culture”, organized by Kirori Mal College, University of Delhi, in collaboration with the National Council for Promotion of Sindhi Language (NCPSL), MHRD, Govt. of India on 6-7 February 2018.

Dr Subrat K Rout presented a paper titled "Rethinking the Paik Rebellion of 1817" at National History Symposium IIC, New Delhi 21-22 October 2017.

Dr Babli Parveen, Department of History, presented a paper titled “Buddhism the religion of peace and Piety: Buddhism in Indian History”, at International Conference on Religion in Early Historic Asia, Kelaniya University, Sri Lanka, 24 March 2017.

Ms Amreen, Department of Political Science, present a paper titled “Mussalman Auratein tatha Unka Sangharsh” at the workshop on “Democratizing Space, Norms and Values: Understanding Feminist Methodology”, organised by the Department of Political Science, Delhi University, September 18-22, 2017.

### **Placement Details:**

An internship program was conducted by Sharekhan Ltd. on 22 February 2018, in which 50 students participated and finally after the process 18 students were selected for the internship.

A placement program was conducted by Genpact on 16 April 2018, in which 60 students participated and finally after the interview process, 11 students were selected

### **Extension and Outreach Activities**

Our cadets along with Capt. (Dr.) M.M. Raheman organized an awareness drive regarding cashless economy. Areas like the New Delhi railway station, Ajmeri Gate, Turkman Gate and the colony beside the college were covered in this awareness drive. Our cadets educated people unaware of the cashless transactions about how to use e-currency to pay for their daily needs. Cadets under the leadership and guidance of Capt. (Dr.) M.M. Raheman took up the work of cleaning the vicinity of the college under the Swachh Bharat Abhiyan. A door to door campaign for cleanliness in slum (Shakur ki Dandi) was organised on 8 August 2017 by NSS Volunteers who were accompanied by their program officer and went to the nearby slum area Shakur ki Dandi. The NSS Unit of the college distributed warm clothes to the unprivileged people near Jama Masjid (Meena Bazar locality) and distributed warm clothes on 11 November 2017.

### **Library Development**

Three new computers have been installed for Circulation and Technical work in the library. Sitting capacity of main Reading Hall is increased by 20 chairs. One Computer set with Printer and Scanner has been installed in the Teachers' Reading Room of the Library for the use of Conference/Seminar etc. One Computer Lab Cum Teacher's Reading Room with full infrastructure i.e. Laptop and Projector with 24 sitting capacity is specially developed in the Library.

### **Faculty Strength**

Total number of faculty: 50

### **Financial Allocation and Utilization**

Grant sanctioned: Rs.21,66,92,000/-

Grant Utilized: Rs.18,94,07,000/

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## UNIVERSITY HOSTELS/HALLS

### AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN

#### Major Activities and Achievements

- I. During the reporting period, various cultural activities were held in the Hostel such as Fresher's welcome, Diwali, Christmas, Lohri & Holi celebrations. While Independence Day and Republic day were celebrated by hoisting the National Flag, singing the National anthem and distribution of sweets & snacks among the residents and staff.
- II. The annual function of the Hostel was celebrated on 24<sup>th</sup> March, 2018 with Prof. J.P. Khurana, Pro-Vice Chancellor (officiating) of University of Delhi & Director South Campus, as the Chief Guest.

#### Hostel Committees

The Hostel has following committees: Mess Committee, Sports Committee, Anti Ragging Committee, Anti Smoking Committee, Anti Sexual Harassment & Anti-Discrimination Committee, North East Students' Welfare Committee, Disaster Management and Preparedness Committee

#### Facilities

The Hostel has several facilities:

PWD friendly washroom; Ramp for PWD; Common Room (T.V. & Projector); Computer Room (Air-conditioned); Library (Air-conditioned); Mess (Air-conditioned); Gymnasium (Cardio-vascular equipments); Laundry Room (fully automatic washing machines); Solar Water Heater; Fridge, microwave and hotplate on each wing of each floor; Water purifiers; Cleaning staff for cleaning of residents' rooms along with common areas; Extensive lawns for morning and evening walk; Badminton court; CCTV surveillance.

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### ARAVALI POST GRADUATE MEN'S HOSTEL

The Aravali PG Men's Hostel organised Annual cultural event "MILANGE 2017" along with the Saramati Hostel on 07 Apr 2017. This year, special emphasis was given to showcase the north eastern cultural heritage. In addition, the hostel also celebrated New Year evening and national festivals like Independence Day, Republic Day and national flag was unfurled in presence of hostel residents and staffs.

#### Hostel Committees

Every year Hostel Authority forms disciplinary committee, cultural committee, mess committee, sports committee for smooth functioning of various hostel facilities.

#### Hostel Facilities

Hostel has TV room, common reading room with several newspapers and magazines. The hostel also provides has sports facilities for indoor games such as table tennis, chess and carom etc. Hostel is equipped with modern Wi-Fi facility to provide smoother and faster internet service to the residents. Hostel has installed CCTV with 5 cameras at the required places to have a better security system and surveillance.

#### Other significant Information

Hostel has a double occupancy Guest Room equipped with the Air Conditioner and Heat Convector, Utility Room with the Desert Cooler. Both of the facilities are open for the visiting guests and parents of the residents.

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### CENTRAL INSTITUTE OF EDUCATION HOSTEL

#### Major Activities and Achievements

The Central Institute of Education has two hostels, Shree Bhawan for women and Shakti Bhawan for men, established in 1950. Shree Bhawan has eight rooms accommodating twenty three female students and

Shakti Bhawan has three dormitories and one two seater room accommodating twenty four male students. The hostels accommodate students from B.Ed., M.Ed., M.Phil. and Ph.D. programmes. There is one visitor's room with TV and reading shelves facilities. Apart from the general books of reading shelves, periodic magazines and regular newspaper facilities are also available for the residents. Sports facility is provided to the student through departmental arrangements. The Resident used to celebrate the different festivals in the Hostel in different ways. Residents used to give their feed back in form of face to face discussion, debate, NukaadNatak. The Hostel Mess used to be maintained by the Hostel Residents. Every month a new committee is formed with two Men's & Women's Residents. They prepare the Hostel menu in consultation with the Warden/Resident Tutor. This inculcates the sense of belongingness and responsibility among the residents. Apart from the Hostel Mess Committee, there are cleanliness and grievance committees. The Hostel organize periodic meetings with the issues related to awareness and general maintenance.

Annual excursion was planned to Agra to visit TajMahal and Red Fort. Such excursion develops a sense of relatedness, co-operation and collegiality among students.

The Hostel has following committees: Discipline Committee, Mess Committee, Cleanliness Committee

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### **D. S. KOTHARI HOSTEL**

#### **Major Activities and Achievements**

Annual Function – Annual function was organised on 31<sup>st</sup> March, 2018 by Students Union of D.S. Kothari Hostel. The Chief Guest was Prof. H. S. Prasad, Chairperson, D.S. Kothari Hostel. The function was attended by more than 700 students and many hostel authorities from across 15 Hostel, 13 colleges and many Departments of Delhi University.

Alumni Meet: - The first Alumni meet of the hostel was organised on 31<sup>st</sup> March, 2018. 43<sup>rd</sup> Alumni attended the first alumni meet. Dr. MrutyunjaySuar, Director, KIIT School of Biotechnology has also attended the alumni meet.

Fresher's Function: - After admission of the students, a fresher party/function has been organised every year by the student union of D.S. Kothari Hostel. The new residents are welcomed by the members of student's union.

The festivals celebrated in the hostel are:- *Independence Day, Id-ul-Zuha, Mahatma Gandhi Birthday, Dussehra, Diwali, Christmas Day, New Year, Lohri, Republic Day, Saraswati Pooja, Holi*

The Hostel has Discipline committee, Mess committee, Cleanliness committee.

Among the several facilities in the hostel, a few are mentioned below: Common Room, T.V. Room, Mess, Laundry, Computer Room, Union Room cum Reading Room, Gym Room, Guest Room, First Aid Box, PWD Friendly Resources, CCTV Camera

Other Significant Information:-

Hostel authorities and residents initiated sports meet.

The construction of Green House is under process.

The Flower Show Committee Cup was awarded to hostel Mali on 60<sup>th</sup> Annual Flower Show held on 23<sup>rd</sup> February, 2018

Special merit certificate and cash was awarded to hostel Mali on the 60<sup>th</sup> Annual Flower Show.

The hostel has recently developed a website i.e. [www.kotharihostel.du.ac.in](http://www.kotharihostel.du.ac.in). All the information relating to the hostel administration, hostel facilities, admission rules etc. are available on the website.

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### **DEPARTMENT OF SOCIAL WORK HOSTEL**

#### **Activities and Achievements**

Hostel Club organizes Cultural programmes such as Fresher Party, Hostel Night, Farewell Party programmes in a year.

The Hostel has the following committees:

Anti Ragging Committee, Anti Smoking Committee, Safety and Security Committee for North Eastern Students, Advisory Committee, Holi Committee, Hostel Club Union

The Hostel has the following Facilities:

Student managed Mess, Lawns, Common Room (with TV and news paper & magazines).

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### **GEETANJALI HOSTEL**

#### **Major Activities and Achievements**

The hostel organised a number of events in 2017-2018. Independence day, A Rangoli competition, Deepawali, “Swachh Bharat Abhiyan”, Sports events, Republic day.

The students of English literature club put forth an interesting concept of ‘Colloquy’ in which they gather to discuss their experiences on a particular topic.

The hostel held a Health Camp in collaboration with WUS health facility on campus and BLK hospital for the students on the 24<sup>th</sup> of January, 2018.

The annual cultural event, Mridang 2018 was held on 23<sup>rd</sup> February 2018. The residents participated enthusiastically and in large numbers. The occasion was graced by Prof SushmaYadav as the Chief Guest and Prof JP Khurana as the Guest of Honour.

Geetanjali hostel hosted CSR Research foundation in organizing a workshop/awareness program on women health care, hygiene, gender sensitivity and women empowerment and on this occasion installed a ‘Sanitary Pad Dispensing machine’ on the hostel premises.

The Hostel Committees include: Anti-Ragging committee, Anti-racial discrimination committee, Anti-tobacco and drug abuse committee:

The Hostel has several facilities for students, such as:

Well-equipped gym and sport equipment, Music system with speaker, Computer facility, Sanitary Pad dispensing machine. Library with some books for general reading, Refrigerators on each floor, Induction cook top for each floor, Reading Room, Microwave.

#### **Other Significant Information**

The hostel is secure with sufficient lighting on the premises and four CCTV cameras at relevant areas. Four security guards are shuffled duties to maximize their efficiency

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### **GWYER HALL**

Gwyer Hall is the oldest and prestigious men’s Post Graduate Hostel of the University of Delhi. This is unique distinctive feature of this hostel where students and faculty members live and dine together. Over the years Gwyerians have made their presence felt in all walks of life in India and abroad. The hostel takes necessary step to ensure that the spirit and rich heritage that have survived over the years of its existence continues to flourish.

Admissions: Like in previous year there was a great rush for admission in this Hall during the current academic year 2017-2018 and about 477 applications were received from students pursuing Master’s, LL.B., CIC, M.Phil, Ph.D., B.Ed. M.Ed. programme of the University. The Admission Committee, after careful scrutiny, filled up the vacant seats attached to various departments of the University. The admission was granted purely strictly on the basis of merit.

Development: Extensive use of the Digital Library took place in the year 2017-2018 as 13 computers were purchased out of the Special Grant given by the Hon’ble Member of Parliament (Mr. ManojTewari) and installed in the Digital Library. This year, three Air Conditioner have been installed in the Common Room which were gifted/donated by the Film Producer. Leveling of four big lawns have been done and new grass of high quality has been grown which has added beauty to the lawns

Union Elections: Election to the various posts of Gwyer Hall was conducted peacefully during the session in accordance with the provision of Lyngdoh Committee. Hygienic Measures: In order to augment hygiene facilities, steps have been taken to get the overhead water tanks cleaned from time to time. Measures were also taken to ensure cleanliness all over the Hall including Kitchen, Pantry, Store and Toilets on priority.

Festivals and Functions: The Gwyer Hall participated in the 60<sup>th</sup> Annual Flower Show organised by the University of Delhi and won cash reward and awarded seven prizes (Kali Charan Agarwal Award, The Platinum Jubilee Cup, College of Nursing Cup and Department of Sanskrit Cup) for the year 2017-2018.

The Hall residents organised various functions to mark and celebrate on the occasion like Buddha Purnima, Independence Day, Diwali, Christmas, New Year, Republic Day, Saraswati Puja, Id-UI-Fitr, Holi and B.R. Ambedkar Birth Anniversary.

The residents of the Gwyer Hall organised & celebrated a special function on completion of 80 years of its establishment and Alumni Meet on 20<sup>th</sup> and 31<sup>st</sup> April 2018 respectively. Shri Kailash Satyarthi (Noble Laureate) and Dr. Karan Singh (Ex-Member of Parliament) graced the events as Chief Guests on Annual Function and K. N. Choubey (ADG, BSF) graced the Alumni Meet on 21<sup>st</sup> April 2018.

Wifi : Wi-Fi facility has been provided to the residents of the Hall by the University.

Sports: The residents participated in the intra-hostel Volleyball, Cricket, Football, Table Tennis & Badminton Tournament organised by the Gwyer Hall Student's Union.

Facilities for PwD Residents: Toilet has been constructed for PwD students and ramp for PwD student has also been constructed. Seven rooms, Gymnasium and Reading Room accessible for PwD students has also been constructed.

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## INTERNATIONAL STUDENT'S HOUSE

The International Students' House was set up in 1964 by Indian Council for Cultural Relations, Ministry of External Affairs for foreign students and postgraduate Indian students. There are 98 rooms and all are single seated. During the academic year 2017-18, 71 foreign students from 32 countries in addition to 30 Indian students were admitted in the House, presenting an amalgamation and diverse mosaic of International and Indian cultures. Because of its international nature, ISH occupies a special position in the hostel system of Delhi University.

### Major Activities and Achievements

Ever since, its inception, the ISH has been acclaimed for its diversified cultural activities. As the hostellers are considered to be the children of hostel, the ISH authorities work upon the growth of their hostellers with some specific skill based cultural & sports activities.

The highlights of some activities are given below:

The House celebrated Independence Day, Deepawali, Christmas, New Year's Day, Republic Day, Lohri, Swami Vivekananda Jayanti, Id-ul-Fitr, Id-ul-Zuha, Saraswati Puja, and Holi with gusto and enthusiasm.

The International Students' House organised an activity "Swachhta Pakhwada" 1st to 15th September, 2017 to promote "Swachh Bharat Abhiyan" which is being organised by Govt. of India.

A Fresher's welcome party coupled with inauguration of the House Union was arranged on 4<sup>th</sup> November, 2017.

The International Students' House Union organised the ISH Sports Competition Intra and Inter Hostel in the month of February, 2018.

The ISH celebrates its 54<sup>th</sup> year and Annual fest termed Milestone "18" on 24<sup>th</sup> February, 2018 with great enthusiasm and joy. His Excellency Maj. Gen. Chris S. Eze (Ret.), High Commissioner of Federal Republic of Nigeria was the Chief Guest.

### Committees:

The Provost has constituted a number of committees from time to time to deal with particular issues. These include Anti Ragging Committee, North Eastern Committee, Sexual Harassment Committee, Anti-Smoking Committee, Holi Committee, Disciplinary Committee, Swachhta Abhiyan Committee

### **Facilities**

The cycle club facility at ISH was inaugurated on January 26, 2018 on occasion of Republic day. In addition, two microwave ovens were also purchased and are being used by the students and office staff.

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### **INTERNATIONAL STUDENTS' HOUSE FOR WOMEN**

The multicultural character of the International Students' House for Women is central to all the activities organised by it. Residents from more than 32 countries jointly celebrate their cultural festivals and important national occasions in the spirit of harmony and friendship. The focus is on unity in diversity.

Various programmes were organized and several occasions were celebrated throughout the year. These include Freshers' Party, Idul'Ifiter, Id-ul-ZuhaDay, Orientation Programme, Diwali, MiladUnNabi, Christmas, New Year Party, Republic Day, Annual Flower Show, Holi, Annual Guest Night function, Annual picnic.

International Womens' Day was organised on 08-03-2018. Farewell Party was given to the outgoing residents who relived and narrated the wonderful time they had spent in the House.

### **Committees**

Student related committee was formed like Cultural Committee, Sports Committee, Seminar/ Library Committee, House keeping Committee and Mess Committee.

### **Facilities**

The Hostel has 98 well-furnished rooms. Other important facilities include Fully air conditioned library, common room, T.V. room, lounge room, wi fi connections in the entire hostel complex, RO water coolers, Fully equipped pantry with electric heater, microwave, water dispenser, geyser & solar system, automatic washing machines, GYM room, Nescafe Vending Machine, Genset, CCTV.

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### **JUBILEE HALL**

Jubilee Hall is a prime Hall of residence for full time post graduate & research students of the University of Delhi. It was founded in 1947 on the occasion of the Silver Jubilee of the University. The internal administration & discipline of the Hall is vested in the Provost who is assisted by a Warden and a Resident Tutor. The Hall functions under the administrative control of following:

Provost                      Prof. Diwan S. Rawat

Wardon                     Prof. P. P. Chakraborty (till 31.01.2018)

Dr. B.W. Pandey (w.e.f. 01.02.2018)

Resident Tutor      Dr. Md. Naimuddin

The hall performed a number of activities:

Jubilee Hall celebrated "Alumni Meet & Jubilation" in which many distinguished alumni took part along with other renowned personalities to grace the occasion.

To maintain its glory this year too a number of residents were selected for the higher posts in all India Competitive Services of Govt. of India.

To keep harmony and its basic character of "Unity in Diversity" Hall celebrated all festivals vizSaraswatiPooja, Holi, Id, Independence Day, Deepawali and Christmas with lot of gaiety and enthusiasm.

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### **MANSAROWAR HOSTEL**

Mansarowar Hostel is a Men's Hall of residence for full -time post-graduate and research students having capacity to accommodate 165 residents coming from various parts of India and abroad for higher studies in University of Delhi.

**Administration:**

The Provost is the administrative head of the Hostel. For the administrative purposes, he is assisted by the Warden, who is in-charge of the day today affairs of the hostel and the Resident Tutor, who looks after the extra-curricular activities and general welfare of the residents. The Provost, Warden and the Resident Tutor are appointed by the Vice-Chancellor on behalf of the Executive Council of the University.

**Managing Committee**

1. Chairman - Prof. S.C. Bhatla, Department of Botany
2. Provost – Prof. H.P.Gangnegi, Mansarowar Hostel.
3. Warden – Dr. Sanjoy Roy, Mansarowar Hostel
4. Resident Tutor – Mr.Saifuddin Ahmad, Mansarowar Hostel.
5. Procter– Prof. Neeta Sehgal
6. Dean Students welfare – Prof. Rajesh Tandon
7. Member, EC Nominee – Prof. A.G. Vedeshwar, Department of Physics.
8. Member, EC Nominee – Prof. Shashi B. Babbar, Dept. of Botany.
9. President Student Union - Mr.ShashankKishor Singh (Mansarowar Hostel).

**Admission**

A total of 800 forms for admission and registration for admission to hostel were printed, out of this 717 forms were sold to various applicants. The office received 576 Nos. of forms from the applicants seeking admissions to hostel. 65 students were given admissions as per vacancy.

Student union:

Election for Hostel Residents' Union was conducted peacefully on Wednesday, 21<sup>st</sup> February, 2018. The following candidates were elected for the post mentioned against each:

1. President – ShashankKishor Singh
2. Vice President – ShashankShekhar
3. General Secretary - Rajeev Kumar
4. Cultural Secretary – SiyaRasik
5. Sports Secretary - Akshay P Singh

Mess Committee Members:

- i. Atul Shukla
- ii. Madhu Sudan

Achievements/Developments in The Current Year (2017-2018)

- Installed new Fully HD television at Common room for residents.
- The hostel has become fully Wi-Fi enabled campus.
- Installed new AC at Library room for residents

**Committees:**

- Anti-Ragging Committee, Disciplinary Committee, SC/ST/OBC Committee, North Eastern Committee, Anti Smoking Committee, Sexual Harassment Committee

**Facilities**

- Dining hall, Reading room, Computer/ internet room, Common room, News paper room, Gymnasium, Guest room, Visitor's room , Cafeteria, Washing machines, Telephone/fax/Photostat, Generator room &, First Aid Box facilities.

**Other Significant Informations:**

- Authorities Residence

There are two authorities residents as the Warden House & Resident Tutor House.

- Ramp

Ramp has been constructed thereby facilitating the movement of physically challenged students as eco-friendly.

- Biometric Machine

Biometric Machine installed by the University for attendance of the employees.

- Hostel celebrate various kind of cultural program/festival i.e Independence Day, Republic Day, Dusshera, Diwali, Holi, Eid, Saraswati Puja, Christmas, Gandhi Jayanti, Ambedkar Jayanti, fresher party, New Years day and annual fest of hostel etc.
- The residents of the hostel participated in various out-door and indoor games during the year.

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**MEGHDOOT HOSTEL**

The Meghdoot Hostel observed a number of activities and enthusiastic innovations in the academic year 2017-18. Some of them are listed as follows:

**Celebration of Environment Day:**

The residents and staff of the Meghdoot Hostel celebrated the World Environment Day on 5th June, 2017. The Provost, Warden, residents and all the staff members took active part in this celebration. Tree saplings and plants were planted by the Provost, Warden, residents and staff members of the hostel.

**Celebration of Independence Day:**

Independence Day was celebrated on 15th August 2017. The Tricolour Flag was hoisted by the Provost, Prof. Veena Agrawal. On this day each resident wore white, saffron or green colour attire with a flag broche as a symbol of love and gratitude to the Nation.

**Dandiya Night:**

It was celebrated on 23<sup>rd</sup> September, 2017 on the occasion of Navratri.

Residents played dandiya and enjoyed the music which was followed by a special dinner. The event was attended by the Warden, Mrs. Shashi Rani Dev.

**Dusshera Celebration:**

Dusshera was celebrated on 30<sup>th</sup> September, 2017 by the hostel residents in a grand way with special dinner. The residents performed cultural dance and enjoyed the music. The Warden and residents participated in the celebration.

**Celebration of Diwali:**

The festival of lights Deepawali was celebrated on 19<sup>th</sup> October, 2017. The hostel was beautifully lit and it was amazing to see Meghdoot in that way. The residents had a gala time and residents decided not to burn crackers and play environment friendly deepawali. The Warden and residents participated in Laxmi Puja and special dinner was served in the hostel.

**Freshers' Party:**

In order to facilitate the new residents in the Meghdoot hostel family, a special fresher's Party was organised by the previously staying residents on 11<sup>th</sup> November, 2017 which was attended by the Provost



and the Warden. Gifts were given to the fresher's. One of the Mess staff was bid farewell on that were day as well. Special dinner was served that night along with a cake cutting ceremony for the Mess staff.

#### Election of New Students' Union:

The election for the Meghdoot Hostel Student Union office bearer, i.e. President, Vice-President, General Secretary, Cultural Secretary, Mess Secretary and Sports Secretary was held on 7<sup>th</sup> December, 2017. The following members were elected for the Meghdoot Hostel Student's Union namely Ms. Ankita Chatterjee- President, Ms. Himanshi Jatia- Vice President, Ms. Alisha Kumari- General Secretary, Ms. Monica Kumari - Cultural Secretary, Ms. Lipsa Priyadarsini Naik - Sports Secretary and Ms. Nimisha Tiwari- Mess Secretary. Our Computer Secretary was also elected later on through General Body Meeting (during the month of January) by the hostel residents who attended the meeting. Ms. Rashmi Biswal was elected as the Computer Secretary.

#### Celebration of Christmas:

The residents celebrated Christmas on 25<sup>th</sup> December 2017 with special dinner and cake. The celebration began by singing Christmas carols. The function was attended by the Warden which had a special dinner lined up. This marked the end of the wonderful year 2017.

#### Celebration of Lohri, Pongal & Bihu :

The residents celebrated the festivals together with Holy Fire and residents circling it wishing for happy and prosperous year ahead. The Warden lit the holy fire and offered Prasad to all the residents and staff members who attended the function, followed by a folk dance session and special dinner.

#### Celebration of Saraswati Pooja:

On 22<sup>nd</sup> January 2018 the residents celebrated Basant Panchami. The Goddess of knowledge Maa Saraswati was worshipped by all the residents together. Prasad was distributed among all the residents and hostel staff.

#### Republic Day Celebration;

Republic Day was celebrated on 26<sup>th</sup> January, 2017. The Tricolour Flag was hoisted by the Provost and the Warden and hence delivered an enthusiastic and patriotic speech.

#### Sports' Day Celebration:

Sports Day was organised by the sports secretary with the help of the other Union members on 27<sup>th</sup> January, 2018. Several games like musical chair, spoon and lemon race, triple legged race, paper dance, tug of war, kabaddi competition for staff members etc. Gifts were given to the winners of the different competition.

#### 60<sup>th</sup> Annual Flower Show-2018:

Meghdoot Hostel participated in the Annual Flower Show held on 23rd February, 2018 by giving different entries of flowers and lawn and has been awarded the Shri Ram College of Commerce Award and the College of Nursing Cup.

#### Celebration of Holi:

On 2<sup>nd</sup> March 2018 the festival of colour Holi was celebrated in the hostel premises among the residents. Everyone played a safe and colourful Holi. It was greatly enjoyed by the residents as they danced and cheered joyfully alongside music. Residents also enjoyed thandai that was made by the mess staff.

#### Annual Cultural Night "ISKARA" 2018 and the Alumni Meet:

The most awaited function of the hostel i.e. the annual cultural night ISKARA-18 was organised on 25<sup>th</sup> March, 2018, by the students union and enthusiastically participated by all residents. Ms. Meenakshi Lekhi (M.P) was invited as a chief guest; Ms. Charu Pragya attended the event as the guest of honour. The function was presided by the Chairperson of the Management Committee, Prof. Sushma Batra, the Provost, Prof. Veena Agrawal, and the Warden, Mrs. Shashi Rani Dev. Some of Meghdoot's distinct Alumae also attended the event. All the staff and residents were present to cherish the beautiful night, cultural performances and gifts distribution for the staff members. A special dinner and Disk Jockey were followed after this.

Farewell party:

The residents who were completing their stay in the hostel were bid farewell by the new comers. They were felicitated by gifts and titles. All of them enjoyed the performances given by the new residents.

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### **NORTH EASTERN STUDENTS' HOUSE FOR WOMEN**

**Major Activities and Achievements:** North Eastern Students' House for Women was established in 2002. NESHW is 101 seated and 1 guest room out of which 70% of the seats are reserved for the North Eastern Region, and 30% for rest of India. During the year Independence Day, Fresher party, Diwali, Christmas, Lohri, Republic day and Sports day were celebrated by the residents with enthusiasm. Two events are the main events of the hostel, Food fete and Annual Cultural night.

#### **Committees:**

There are 6 Committees functioning during the year.

1. Anti Ragging Committee consisting of 3 members.
2. Cleanliness Committee consisting of 3 members.
3. Students Welfare Association consisting of 7 members.
4. Mess Committee consisting of 5 members
5. Cultural Committee consisting of 6 members.
6. Holi Committee consisting of 3 members.
7. Nodal Officer.

#### **Facilities:**

The hostel provides the following facilities to its residents:

- a) Two LED TV.
- b) One Music system.
- c) Eight Washing machines.
- d) Four Hotplates.
- e) Five Refrigerators.
- f) Twelve Computers and one Printer.
- g) Two Hot & Cold water dispensers
- h) Four Microwave ovens.
- i) Round the clock hot water supply through solar power heating.
- j) One Readingroom, Computer room, Common room, Gym, Lobby, Badminton court and Garden.

Other Significant Information: None

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### **POST GRADUATE MEN'S HOSTEL**

#### **Major Activities and achievements**

P.G.Men's Hostel was inaugurated on 24.10.1975 with 100 single bedded rooms. During the last few years, it has grown significantly in terms of facilities such as air conditioned computer lab with internet, gym with motorized treadmill and modern facilities, laundry with semi automatic washing machines on each floor, canteen, photocopy outlet, two badminton courts and recreation hall. The air conditioned library has expanded its intellectual activities to discuss contemporary issues. Ajit Singh Yadav Memorial debate was organised on the topic "A Free Press Safeguards Democracy". Major Indian festivals like Holi,

Diwali, Eid, Xmas, New Year etc. and Annual Function and Sports meet of the hostel were celebrated. Republic Day and Independence Day were also observed in the hostel.

#### **Committees**

1. Common Room: to organise common room activities
2. Cultural: to organise cultural activities and events
3. Health & Hygiene: to look after cleanliness of the hostel
4. Sports: to organise sports activities
5. Mess: to organise mess menu and purchase of raw materials
6. Anti Raging and Disciplinary: to avoid raging and to resolve issues relating toraging.
7. Holi: to combat Holi hooliganism in the hostel.
8. Anti Smoking: to avoid smoking in the hostel premises

#### **Facilities**

1. TV/Common Room
2. Laundry
3. Air Conditioned Computer Lab with internet and Wi-Fi facilities
4. Air Conditioned Library and Reading Room
5. Newspaper/Magzine Room
6. Gym with motorized treadmill
7. Two badminton Courts
8. Photocopy outlet
9. Canteen
10. Visitor Room

#### **Other Significant Information**

1. Guest (Parent) Room (under renovation)
2. Scroll Board of the Chairmen, Provosts, Wardens and Resident Tutor since the inception have been made.

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### **RAJIV GANDHI HOSTEL FOR GIRLS**

The Rajiv Gandhi Hostel for Girls (RGHG) is a very spacious and beautiful Hostel situated at Dhaka Hostel Complex, Mukherjee Nagar, Delhi-110009. The Hostel building was constructed by University of Delhi with the financial assistance from Ministry of Development of North Eastern Region (MDONER/NEC) and Ministry of Tribal Affairs (MTA). The Hostel is divided into 8 clusters, each independent in terms of water supply, rest rooms etc. Each cluster has four floors having a pantry facility in alternate floors, used by the residents for some emergency food preparation.

#### **Administration and Management**

The Hostel is managed by a Managing Committee constituted by the University. The internal administration and discipline of the hostel is vested in the Provost. The Provost is assisted by Warden and Resident Tutors to look after the day to day activities.

#### **Cultural Activities**

Independence Day was celebrated by the residents by hoisting the national Flag, followed by singing of the "National Anthem". Sweets were distributed among the residents and the staff.

A freshers' welcome party was organised with the residents, office staff and hostel Authorities.

The Diwali Celebration on 19<sup>th</sup> October, 2017 included the lighting up of the hostel building and a special dinner.

The Christmas was celebrated on 25<sup>th</sup> December 2017 during winter break with fun and fare.

The function of Lohri was also celebrated on 13<sup>th</sup> January 2018 by making bonfire and all the students gave Aahuti on the bonfire.

The Republic Day was celebrated by hoisting the National Flag followed by the National Anthem. Sweets were distributed among the residents.

The SarsawatiPoojawas also celebrated on 10<sup>th</sup> February 2018 by the residents.

The most awaited function of the hostel i.e. "RAGAAZ -2017" was organised on 17<sup>th</sup> March, 2018 Ms. Swati Maliwal, President, Delhi Women Commission was the Chief Guest. The intension behind it was to encourage the Hostellers to come together and be united. On this day, cultural programme is organised. The cultural aspects of different states of India were demonstrated by the excellent dance performances by the residents. It was then followed by dinner.

On 2<sup>nd</sup> March 2018 **Holi**(festival of colors) was celebrated with great enthusiasm.

### **Achievements**

Hostel participated in the 60<sup>th</sup> Annual Flower Show held on 23<sup>rd</sup> February, 2018 by giving different entries of flowers and lawn and has been awarded the University Library Cup, Lady Shri Ram College Cup and the Hansraj College Cup at the event.

### **Committees**

Hostel formed the following committees to strengthen a feeling of security among girls' students and smooth functioning of the Hostel:

- |                                     |                           |
|-------------------------------------|---------------------------|
| 1. Anti-Ragging Committee           | 4. Anti-Smoking Committee |
| 2. Anti-Sexual Harassment Committee | 5. Cultural Committee     |
| 3. Racial Discrimination Committee  | 6. Mess Committee         |
|                                     | 7. Cleanliness Committee. |

### **Facilities**

Pantry Facility- is available at each floor of every Cluster, with the Hotplate + Water cooler + proper tap with sink.

Water Facility-

Total 18 Water Coolers (at Ground Floors & First Floors in every Cluster with R O installed

04 Dispensers are available for drinking water for the residents.

Store room facility- is in each cluster to keep Luggage at the time of vacating the hostel.

Common Room – RGHG have two common rooms.

There is facility of TV with Tata sky connection + Chairs + Screen Projector for projects + Cycles + Curtains in one common room.

Visitor Room – Facility of LED TV with Tata sky connection + AC+ Hostel Photos + Two + Three-Seater Chairs with separate tables.

Medical Facility- Proper beds with clean bed sheets with pillow + Curtains.

Membership with Health Centre- RGHG has taken membership of Health Centre, University of Delhi. WUS provides facilities basic as well as emergency health treatment. In case of medical emergency, the resident is taken to the nearest available hospital, the LG is informed to take charge of her ward.

Sports Facility- Gym Room. Cycles + Dumbbells, Cross Trainer + Aerobic Steps,

Indoor Game Table Tennis + Carom + Ludo +Chess Table Tennis + Carom + Ludo +Chess

Outdoor GamesBasket Ball + Badminton Courts + Yoga Mat + Badminton, Bat and Ball + Skipping Ropes

Academic-

Reading Room with AC facility + with table and chairs + proper curtains.

Library Room with Book case + Tables & Chairs + AC facility

Security-

CCTV Camera – (Main Gate, Main Garden Lawn, Back Gate, Mess Entry Gate, Patel Chest, Kitchen area & Counter area

There are 386 rooms on twin sharing basis. The Hostel can accommodate 772 students. All rooms are spacious ventilated for the comfortable stay of Hostel residents. All rooms have ceiling fans. Each resident provided with beds one built wardrobe/almirah, book rack mounted on the wall. Every room has a mirror.

Mess and dining Hall

The Hostel has well maintained dining hall with independent kitchen and hygienic cooking facilities and safe drinking water. Healthy and hygienic food for every resident is provided in the mess.

With appropriate planning and with the help of the hostel management committee and the University authorities, along with the contribution from the residents', further improvements are expected during the next academic session. The Hostel is in a path of development to provide a homely feeling to its residents in both security and facility.

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### **SARAMATI POST GRADUATE MEN'S HOSTEL**

Saramati Hostel has organised Annual cultural event "MILANGE 2017" along with the Aravali Hostel on 07 Apr 2017. In view of the fact Saramati hostel has substantial number of residents from north eastern part of India, special emphasis was given to showcase the north eastern culturaltradition.In addition, the hostel also celebrated New Year evening and national festivals likeIndependence Day, Republic Day and national flag was unfurled in presence of hostel residents and staffs.

Every year Hostel Authority forms disciplinary committee, cultural committee, mess committee, sports committee for smooth functioning of various hostel facilities.\

#### **Hostel Facilities**

Hostel has TV room, common reading room with several newspapers and magazines. The hostel also provides Gym and sports facilities for indoor games such astable tennis, chess and carom etc. Hostel is equipped with modern Wi-Fi facility to provide smoother and faster internet service to the residents. Hostel has installed CCTV with 8 cameras at the required places to have a better security system and surveillance.

#### **Other significant Information**

Hostel has a double occupancy Guest Room& Guest house equipped with the Air Conditioner and Heat Convactor. Both of the facilities are open for the visiting guests and parents of the residents.

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### **UNDER GRADUATE HOSTEL FOR GIRLS**

#### **Major Activities and Achievements**

The hostel organizes various events to keep the students engaged in productive activities. This year, Mr. RizwanUddin, Regional PF Commissioner, delivered a talk on "Motivation through Goal Setting" on 26<sup>th</sup> August, 2017, which was very much appreciated by the students. Tree plantation was carried out by the students in the presence of the Provost and Resident Tutor on 27<sup>th</sup> September, 2017. On 2<sup>nd</sup> February, 2018, a session on "Brain, Breath and Emotions" was conducted by Art of Living trainers. The orientation program of Spic Macay was held on 10<sup>th</sup> February 2018. A lecture on "Social Perspective of Folk Art" was delivered by Dr. KapilTiwari on 11<sup>th</sup> February, 2018.

The hostel endeavours to create an atmosphere conducive to learning and enjoyment. On 5<sup>th</sup> April, 2017, a Farewell Party was organised for the outgoing residents. All major festivals were celebrated in the hostel, starting with Independence Day celebrations on 15<sup>th</sup> August, 2017, and Diwali festival on 19<sup>th</sup> October, 2017, with lighting of lamps and rangolis. The Freshers' party to welcome the new students was organised by the seniors on 4<sup>th</sup> November, 2017. Christmas Day was celebrated on 25<sup>th</sup> December with cutting of a cake and decorations. Lohri was celebrated on 13<sup>th</sup> January 2018 with lighting of a huge bonfire. The national flag was hoisted by the Provost on 26<sup>th</sup> January, 2018. Holi was celebrated on 3<sup>rd</sup> March 2018 with organic colours. We participated in the Delhi University Flower show held on 23.02.2018 and won several prizes.

### **Committees**

During the 2017-2018 period, the following committees were constituted:

Anti-Smoking Committee

Anti-Sexual Harassment Committee

Anti-Ragging Committee

Disciplinary Committee

North-Eastern Committee

Holi Committee

Nodal Officer for Tobacco-Free Campus

Students' Advisor

Cultural Committee

### **Facilities**

The hostel boasts of several modern facilities, including air-conditioned

Common Room

Computer Lab

Reading Room

Gymnasium

Sports Room

Library

Visitors' room

Medical room with medical facilities, including a daily nurse and doctor's visits thrice a week

Two TV Rooms

The hostel also has a well-ventilated Dining Hall

Other facilities include

Laundry Room

Tuck-shop

Badminton Court

Basket Ball Court

Table Tennis court

### **Other Significant Information**

Lush green lawns and flower beds greet the residents. The walls are decorated with pictures. For the students' security, CCTV cameras are installed in common areas and at the gates. There are disabled friendly washrooms and ramps. All fees are collected online. The mess serves four meals a day, including facility for packed lunch. The hostel adopts green practices, including waste segregation, composting of garden waste, switchover to eco-friendly LED lighting, minimal paper usage, etc.

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## UNIVERSITY HOSTEL FOR WOMEN

Established in the year 1973, University Hostel for Women (UHW) is an important landmark of the University of Delhi. The Hostel has a capacity of 320 seats for post graduate & research women students hailing from various parts of the country and abroad, and provides ample opportunities and occasions for blossoming of the resplendent spirit of womanhood. The hostel was under renovation since 2012 & reopened with partial admissions in the academic session 2016-2017.

It has always been in the tradition of UHW to hold several functions and celebrations. The following celebrations were organised in 2017-2018;

### Cultural Events

- i) 18<sup>th</sup> April 2017 and 27<sup>th</sup> March 2018, Anima Sen Memorial Inter-Hostel Debate, Anima Sen Memorial Inter-hostel Debate was held on 18<sup>th</sup> April 2017 and 27<sup>th</sup> March 2018 for academic sessions 2016-2017 and 2017-2018 respectively. Certificates were distributed to all the participants. Trophies and cash prize were distributed to the winners. The debate witnessed enthusiastic participation.

Festival Celebrations;

- ii) All festivals such as Diwali, Lohri, Saraswati Puja and Holi were celebrated in the hostel.

National festivals and activities to increase consciousness;

- iii) 15<sup>th</sup> August 2017, Independence Day: All authorities, residents and staff joined the country in its celebration of Independence Day by singing National Anthem and other patriotic songs.
- iv) 2<sup>nd</sup> October 2017, Swachha Bharat Abhiyaan: In accordance with the drive of Swachh Bharat Abhiyan programme University Hostel for Women (UHW) took initiative and continued to keep the premises and surrounding areas clean. The entire hostel staff and residents participated in the cleanliness drive.
- v) 26<sup>th</sup> January 2018, Republic Day: The celebrations began with flag hoisting followed by singing of National anthem, patriotic songs and dance by residents and karamcharies. The ceremony concluded with distribution of sweets.

### Committees

- a) Discipline Committees
  - i) Anti Ragging
  - ii) Anti Squad
  - iii) Anti Smoking
  - iv) Gender Sensitization
- b) Cultural Committees: Anima Sen Memorial Inter Hostel Debate was organised by the cultural committee.
- c) Mess Committee: Residents are encouraged to volunteer for mess duties and duties were assigned accordingly.
- d) Cleanliness Committee: Residents were required to perform floor duties and duties assigned accordingly. Cleanliness and maintenance reports were submitted by the residents on duty.

Facilities

Gym, Common Room, Reading Room, Sick Room, Union Room

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## V. K. R. V. RAO HOSTEL

Each academic year the residents of the hostel celebrate national days including Independence Day, Republic day and Gandhi Jayanti with gaiety and fervor. Independence Day and republic day are celebrated with the hoisting of Tri-Colour National Flag to instill a culture of national integration while Gandhi Jayanti gives emphasis on cleanliness through Swachh Bharat Abhiyan, on this day a pledge is also taken with plantation of trees.

The residents of the hostel celebrate various festivals covering Diwali, Holi, Lohri, Saraswati Puja, and Christmas Eve with lot of enthusiasm. Cultural events of the hostel begin with the Freshers' welcome at the beginning of the session and ends with the Farewell Party towards the end of the session. SPIC MACAY

program has almost become a regular feature in the hostel. Celebrated artists including Pandit Vishwa Mohan Bhatt, Ustad Bahauddin Dagar, Pandit Biswajit Roy Chowdhury, Pandit Shubhendra Rao, Vidhushi Saskia Rao Dehaas etc. have given their recital in the Common Room of the hostel. The hostel annual cultural extravaganza UMANG, the most sought-after program is celebrated with pomp and show.

#### **Committees:-**

The hostel has constituted a SEWA Committee to cater to the needs and welfare of the residents. Further it has constituted many other committees including Anti-ragging Committee Welfare of North East Students, Grievance Committee for students that encompasses all issues confronting the residents of the hostel.

#### **Facilities:-**

The Hostel offers a full range of services and resources to support and enhance the quality of life of its residents.

1. Guests facilities for resident's guests
2. Guest Room for parents
3. Medical Facilities
4. Mess and the Dining Hall
5. Canteen
6. Computer and Internet & Wi-fi Facilities
7. Common Room
8. Gym & Sports Events
9. Musical Instruments
10. Book Bank
11. Laundry Services
12. Intercom facilities
13. Reading room
14. Visitors' room
15. Hostel Security with CCTV Cameras
16. PwD Friendly resources

#### **Other Significant Information**

The R.O. System dispenses out the waste water after filtration & purification which is utilized in cleaning and watering the plants. The hostel has 24 x 7 print out facilities for the residents at nominal charges. As the hostel is categorically occupied by the Residents of Faculty of Management Studies and Delhi School of Economics, so the placement is above 90 percent.

Overall, the year has been productive and full of growth and collective enthusiasm at the VKRV Rao hostel.

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### **WUS UNIVERSITY HOSTEL**

The WUS University Hostel is Residence for Women, Teachers of the University, Visiting Teachers and Post-Doctoral Researchers, with a capacity of 18 Rooms. The Hostel was taken over by the University from the World University Services in 1990. Prof. Sreemati Chakrabarti is looking after the administration of the Hostel till 31<sup>st</sup> January, 2018 and thereafter Prof. (Ms.) Minni Sawhney has been appointed as Chairperson upto 31<sup>st</sup> March, 2018.

The following facilities have been provided to the residents:

Visitor's Room (Air conditioned), Colour T.V., Refrigerators, Newspapers (Hindi and English), Water Cooler, Computers.

The residents celebrate the various festivals like Diwali, Christmas, Holi, New Year etc.

The Mess is run by the residents on co-operative basis.

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## **ANNUAL ACCOUNTS FOR THE YEAR 2017-18**

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<b>Sr. No.</b>	<b>Name of Statement</b>
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# **BALANCE SHEET AS AT 31<sup>st</sup> MARCH, 2018**

Particulars	Schedule	Current Year	Amount in ₹ Previous Year
<b>SOURCES OF FUNDS</b>			
CORPUS/CAPITAL FUND	1	-----	-----
DESIGNATED/ EARMARKED/ ENDOWMENT FUNDS	2	6812347938	5895188592
CURRENT LIABILITIES & PROVISIONS	3	27366821395	26472963908
<b>TOTAL</b>		<b>34179169333</b>	<b>32368152500</b>
<b>APPLICATION OF FUNDS</b>			
<b>FIXED ASSETS</b>			
Tangible Assets	4	1302350394	1445275815
Intangible Assets		2190247	3192579
Capital Works-in-Progress		4065825877	4065825877
INVESTMENT FROM EARMARKED / ENDOWMENT FUNDS	5	883083000	247983000
INVESTMENT – OTHERS	6	-----	-----
CURRENT ASSETS	7	12067138607	11451056645
LOANS, ADVANCES & DEPOSITS	8	3223753863	3341361463
CORPUS/CAPITAL FUND		12634827345	11813457121
<b>TOTAL</b>		<b>34179169333</b>	<b>32368152500</b>
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2018**

Particulars	Schedule	Amount in ₹	
		Current Year	Previous Year
<b>INCOME</b>			
Academic Receipts	9	1079933933	954040785
Grants / Subsidies	10	5268907887	4535349679
Income from Investment	11	38074029	44491931
Interest Earned	12	2907044	10757610
Other Income	13	67821287	62984521
Prior Period Income	14	-----	-----
Increase /Decrease in Stock		-----	31819874
<b>TOTAL (A)</b>		<b>6457644180</b>	<b>5639444400</b>
<b>EXPENDITURE</b>			
Staff Payments & Benefits (Establishment expenses)	15	5207492367	5533672533
Academic Expenses	16	565335417	503322960
Administrative and General Expenses	17	860614848	805128377
Transportation Expenses	18	1402609	6936509
Repairs & Maintenance	19	157267464	199850205
Finance costs	20	469669	443563
Depreciation	4	351441789	414037702
Expenditure on Grants, Subsidies etc.	21	336578401	161486328
Prior Period Expenses	22	-----	1195708575
Increase /Decrease in Stock		5925876	-----
<b>TOTAL (B)</b>		<b>7486528440</b>	<b>8820586752</b>
<b>Balance being excess of Income over Expenditure/ (Expenditure over Income) ( A- B )</b>		<b>(1028884260)</b>	<b>(3181142352)</b>
<b>Transferred to / from Designated Fund</b>			
<b>Balance being Surplus/(Deficit) carried to Capital Fund</b>		<b>(1028884260)</b>	<b>(3181142352)</b>
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

## SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018

SCHEDULE 1 - CAPITAL FUND		Amount in ₹	
		Current Year	Previous year
Balance at the beginning of the year		(11813457121)	(10424548997)
Add: Contributions towards Corpus/Capital Fund - Plan A/c		----	----
Add: Contributions towards Corpus/Capital Fund		----	----
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure			
(a) Plan Accounts	116788962		1661021233
(b) Non-Plan Accounts	65898724	182687686	71957191
			1732978424
Add: Assets Purchased out of Earmarked Funds			
(a) Miscellaneous Accounts	6220593		8393305
(b ) Other Earmarked Funds	4534471	10755064	4324697
			12718002
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution			
Add: Assets Donated/Gifts Received	778		1199
Add: Assets of Project Closed	14399432		30189637
Add: Other Additions	----	14400210	----
			30190836
Add: Adjustment related to unspent Balance		----	16705058
Less: W.D.V. of Assets disposed off during the year		(328924)	(358092)
Add: Excess of Income over expenditure/(Excess of Expenditure over Income) transferred from the Income & Expenditure Accounts		(1028884260)	(3181142352)
<b>Balance at the year end</b>		<b>(12634827345)</b>	<b>(11813457121)</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULE 2 - DESIGNATED/EARMARKED/ENDOWMENT FUNDS**

**Amount in ₹**

Particulars	Funds wise breakup				Total	
	Misc. A/c	Publication	Endowment Funds	Other Earmarked	Current Year	Previous Year
<b>A.</b>						
<b>a) Opening balance</b>	<b>580751781</b>	<b>5518426</b>	<b>796391387</b>	<b>4512526998</b>	<b>5895188592</b>	<b>5357432601</b>
b) Additions during the year	-----	-----	-----	-----	-----	-----
c) Income from investments made of the funds	14191656	309804	50088078	178272037	242861575	209094062
d) Accrued Interest on Investments/Advances	28433218	60725	8489008	120340469	157323421	180372505
e) Interest on Savings Bank a/c	214739	9843	798312	4852838	5875732	9367793
f) Other additions (specify nature)	432138676		6990105	482538562	921667343	602595542
<b>Total(A)</b>	<b>1055730069</b>	<b>5898798</b>	<b>862756890</b>	<b>5298530904</b>	<b>7222916663</b>	<b>6358862503</b>
<b>B.</b>						
<b>Utilization/Expenditure towards objectives of funds</b>						
ii) Capital Expenditure	6220593	-----	-----	4534471	10755064	12718002
ii) Revenue Expenditure	287651293	0	8633997	103528371	399813661	450955909
<b>Total(B)</b>	<b>293871886</b>	<b>0</b>	<b>8633997</b>	<b>108062842</b>	<b>410568725</b>	<b>463673911</b>
<b>Closing balance at the year end (A-B)</b>	<b>761858183</b>	<b>5898798</b>	<b>854122893</b>	<b>5190468062</b>	<b>6812347938</b>	<b>5895188592</b>
<b>Represented by</b>						
<b>Cash And Bank Balances</b>						
Current Accounts	4456292	-----	-----	-----	4456292	16275001
Saving Accounts	34926667	938073	46850886	223629563	306345189	415614087
Investments	18000000	300000	319800000	544900000	883000000	247900000
Fixed Deposit	661541755	4600000	478900000	4227085850	5372127605	4924450148
Interest accrued but not due	37961615	60725	8489007	123556734	170068082	197205013
Shares	-----	-----	83000	-----	83000	83000
Other Loan & Advances	6581890	-----	-----	30293578	36875468	19261808
Loan from UDF to Misc	-----	-----	-----	30000000	30000000	60000000
LC Margin	-----	-----	-----	-----	-----	3951000
Electricity Deposits	-----	-----	-----	9409500	9409500	9409500
TDS's refundable	-----	-----	-----	1592838	1592838	1039035
Maintainance grant a/c	(1610036)				(1610036)	
<b>Total</b>	<b>761858183</b>	<b>5898798</b>	<b>854122893</b>	<b>5190468062</b>	<b>6812347938</b>	<b>5895188592</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULE 2A - ENDOWMENT FUNDS**

1. Sr. No.	2. Name of the Endowment	Opening Balance		Additions during the Year		Total		9 Expenditure on the object during the year	Closing Balance		Total (10+11)
		3. Endowment	4. Accumulated Interest	5. Endowment (Misc.Receipts)	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)		10. Endowment	11. Accumulated Interest	
1	Sir Shankar Lal Instt. Of Music (298355)	2273923	263672	1129	189327	2275052	452999	92322	2275052	360677	2635729
2	Shri Sri Ram Chair in physics (298399)	7061549	1916598	1652	689735	7063201	2606333	0	7063201	2606333	9669534
3	Shri Shankar Lal Chair in Chemistry (298402)	7893989	2138008	4130	750124	7898119	2888132	0	7898119	2888132	10786251
4	IFC Chair in Faculty of Mgmt. studies (298683)	13863470	3999880	0	1322478	13863470	5322358	59	13863470	5322299	19185769
5	SP Jain Advanced Mgmt. Research (299041)	1959645	469475	0	175502	1959645	644977	6	1959645	644971	2604616
6	Pt. Man Mohan Nath Dhar (298956)	1265507	328745	0	129281	1265507	458026	0	1265507	458026	1723533
7	Professorship in Economics (298741)	12971931	3663423	0	1251408	12971931	4914830	59	12971931	4914771	17886702
8	Publication of Orient Insect (299416)	550899	132908	0	51159	550899	184067	0	550899	184067	734966
9	DU Endowment Fund (299733)	229306904	36029474	6210467	19762949	235517371	55792423	2268099	235517371	53524324	289041695
10	Pt. Man Mohan Krishan Kaul (299880)	1527132	380392	0	150153	1527132	530545	0	1527132	530545	2057677
11	Book Grant RTL (300228)	274625362	57064957	545160	24184354	275170522	81249311	5511928	275170522	75737383	350907905
12	DU Amway Professorship in Enter. Dev. (300705)	11437894	2878013	0	1044024	11437894	3922037	59	11437894	3921978	15359872
13	Cluster Innovation Centre Corpus Fund	100357419	21526315	225000	9668418	100582419	31194733	255484	100582419	30939249	131521668
14	MHRD IPR CHAIR	503902	0	2567	6488	506469	6488	505981	488	6488	6976
<b>Total</b>		<b>665599526</b>	<b>130791861</b>	<b>6990105</b>	<b>59375398</b>	<b>672589631</b>	<b>190167259</b>	<b>8633997</b>	<b>672083650</b>	<b>182039243</b>	<b>854122893</b>

Notes

- 1 The total of Columns 3 & 4 will appear as the opening balance in the column "Endowment Funds" in Schedule2, of Earmarked Funds forming part of the Balance Sheet.
- 2 The total of Col.9 should normally be less than the total of Col. 8, as only the interest is to be used for the expenditure on the object of the endowments. ( except Endowments for Chairs)
- 3 There should not normally be a debit balance in the schedule. If in a rare case, there is a debit balance against any of the Endowment Funds, the debit balance should appear on the Assets side of the Balance Sheet as "Receivables", in Schedule-8 Loans, Advances & Deposits.

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

	Amount in ₹	
<b>SCHEDULE 3 - CURRENT LIABILITIES &amp; PROVISIONS</b>	<b>Current year</b>	<b>Previous Year</b>
<b>A. CURRENT LIABILITIES</b>		
1. Deposits from staff	----	----
2. Deposits from students	----	----
3. Sundry Creditors		
a) For Goods	25943604	13051003
b) Others	----	----
4. Deposit-others (including EMD, Security Deposit)	378068	378068
5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS)		
a) Other Bodies Transaction	5321264	2027012
b) Duties & Taxes	1258258	16853
6. Other Current Liabilities		
a) Salaries	----	----
b) Receipts against Sponsored Projects	1499877620	1386557463
c) Receipts against Sponsored Fellowships & Scholarships	95731206	73570373
d) Unutilized Grants	5587750339	5721197188
e) Amount refundable to UGC	18198383	17029739
f) Grants in advance	----	----
g) Other funds	163053237	84622514
h) Other liabilities	11580180	468858
<b>Total (A)</b>	<b>7409092159</b>	<b>7298919071</b>
<b>B. Provisions</b>		
1. For Taxation	----	----
2. Gratuity	1246794419	1120240441
3. Superannuation Pension	17828303630	16984796238
4. Accumulated Leave Encashment	873230725	1054065434
5. Trade Warranties/Claims	----	----
6. Others (Specify)/Expenses Payable	9400462	14942724
<b>Total (B)</b>	<b>19957729236</b>	<b>19174044837</b>
<b>Total (A+B)</b>	<b>27366821395</b>	<b>26472963908</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

SCHEDULE - 3 (a) SPONSORED PROJECTS									
								Amount in ₹	
1	2	3	4	5	6	7	8		
Sr. No.	Name of the Project	Opening Balance		Receipts/Recoveries during the year	Total	Expenditure during the year	Closing Balance		
		Credit	Debit				Credit	Debit	
1	Research Scheme A/c (298650)	435663889		160158608	595822497	139797503	456024994		
2	IASE Scheme A/c (Educ) (295853)	2352045		0	2352045	1449221	902824		
3	Research Scheme A/c (SDC)( 546386	632203846		301681819	933885665	225078911	708806754		
4	B.R.A. Project A/c (298264)	38810932		44248245	83059177	27936366	55122811		
5	Young Research Scientist A/c (29859	248642813		62082024	310724837	76266726	234458111		
6	CEMDE\Bio-Diversity Park (DDA)	28883938		95720069	124604007	80041881	44562126		
Total		1386557463		663890765	2050448228	550570608	1499877620		
1. The Projects may be listed agency-wise, with sub-totals for each agency.									
2. The total of Col. (credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).									
3. The total of Col. 9 (Debit) will appear as Receivables in Schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.									



**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULE 3(b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS**

							Amount in ₹
Sr. No	Name of Sponsor	Opening Balance As on 01.04.17		Transactions During the year		Closing Balance As On 31.03.18	
1	2	3	4	5	6	7	8
		CR.	DR.	CR.	DR.	CR.	DR.
1	CSIR Fellowship (298413)	41326905		13182764	13943231	40566438	
2	UGC Fellowship (298560)	0	31192212	62555846	22284448	9079186	
3	Other Bodies Scholarship (298707)	27286597		66796370	53198831	40884136	
4	CSIR Fellowship (SDC) (545269)	1456326		664917	590374	1530869	
5	UGC Fellowship (SDC) (545258)	3500545		246872	76840	3670577	
	<b>Total</b>	<b>73570373</b>	<b>31192212</b>	<b>143446769</b>	<b>90093724</b>	<b>95731206</b>	<b>0</b>

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the Balance Sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULE 3(c) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS**

	Amount in ₹	
	Current Year	Previous Year
<b>A. Plan grants: Government of India</b>		
Balance B/F		
Add: Receipts during the year		
<b>Total(a)</b>	0	0
<b>Less: Refunds</b>		
<b>Less: Utilized for Revenue Expenditure</b>		
<b>Less: Utilized for Capital Expenditure</b>		
<b>Total (b)</b>	0	0
<b>Unutilized carried forward (a-b)</b>	0	0
<b>B. UGC grants Plan</b>		
Balance B/F	5721197188	7146469470
Add: Receipts during the year	260850724	507825821
<b>Total(c)</b>	5982047912	7654295291
<b>Less: Refunds</b>	0	
<b>Less: Utilized for Revenue Expenditure</b>	277508611	272076870
<b>Less: Utilized for Capital Expenditure</b>	116788962	1661021233
<b>Total (d)</b>	394297573	1933098103
<b>Unutilized carried forward (c-d)</b>	<b>5587750339</b>	<b>5721197188</b>

<b>SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018</b>									
									Amount in ₹
<b>C. UGC Grants non-Plan</b>									
Balance B/F								0	
Add: Receipts during the year								5057298000	4335230000
							<b>Total(e)</b>	5057298000	4335230000
<b>Less: Refunds</b>								0	0
<b>Less: Utilized for Revenue Expenditure</b>								4991399276	4263272809
<b>Less: Utilized for Capital Expenditure</b>								65898724	71957191
							<b>Total (f)</b>	<b>5057298000</b>	<b>4335230000</b>
<b>Unutilized carried forward (e-f)</b>								0	0
<b>D. Grants from state govt.</b>									
Balance B/F								0	0
Add: Receipts during the year								0	0
							<b>Total(g)</b>	0	0
<b>Less: Refunds</b>									
<b>Less: Utilized for Revenue Expenditure</b>								0	0
<b>Less: Utilized for Capital Expenditure</b>								0	0
							<b>Total (h)</b>	0	0
<b>Unutilized carried forward (g-h)</b>								0	0
<b>Grand Total(A+B+C+D)</b>								<b>5587750339</b>	<b>5721197188</b>
<b>Notes:-</b>									
Unutilized grants includes advances on Capital Account									
Unutilized grants include grants received in advance for the next year									
Unutilized grants are represented on the Assets side by Bank balances, Short term Deposits with Banks and Advances on Capital Account									

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

<b>SCHEDULE 4 - FIXED ASSETS</b>										
										Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		19716892	0	0	19716892		0	19716892	19716892
2	Site Development/Minor work		0	0	0	0		0	0	0
3	Buildings	5%	691697004	5490684	0	697187688		34859384	662328304	691697004
4	Roads & Bridges		0	0	0	0		0	0	0
5	Tube wells & Water Supply		0	0	0	0		0	0	0
6	Sewerage & Drainage		0	0	0	0		0	0	0
7	Electrical installation and equipment		0	0	0	0		0	0	0
8	Plant & Machinery	20%	219993978	25211289	225548	244979719		48995944	195983775	219993978
9	Scientific & Laboratory Equipment	40%	123076630	104826369	12001	227890998		91156399	136734599	123076630
10	Office Equipment		0	0	0	0		0	0	0
11	Audio Visual Equipment	50%	447349	1008616	1	1455964		727982	727982	447349
12	Computers & Peripherals	40%	259172441	16363405	17125	275518721	0	110207489	165311232	259172441
13	Furniture, Fixtures & Fittings	25%	92609267	14468332	42933	107034665		26758666	80275999	92609267
14	Sports Equipment	50%	28773	0	0	28773		14387	14386	28773
15	Vehicles	25%	1327316	27163	0	1354479		338620	1015860	1327316
16	Lib. Books & Scientific Journals	50%	33896165	39997879	31316	73862728		36931363	36931365	33896165
17	Small Value Assets		0	0	0	0		0	0	0
18	Work of Art		3310000	0	0	3310000		0	3310000	3310000
<b>Total (A)</b>			<b>1445275815</b>	<b>207393737</b>	<b>328924</b>	<b>1652340628</b>	<b>0</b>	<b>349990234</b>	<b>1302350394</b>	<b>1445275815</b>
19	<b>Capital Work in Progress (B)</b>		<b>4065825877</b>	<b>0</b>	<b>0</b>	<b>4065825877</b>		<b>0</b>	<b>4065825877</b>	<b>4065825877</b>
Sr.No.	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	3158138	449223	0	3607361		1442945	2164416	3158138
21	E-journals	25%	0	0	0	0		0	0	0
22	Patents	25%	34441	0	0	34441		8610	25831	34441
<b>Total (C)</b>			<b>3192579</b>	<b>449223</b>	<b>0</b>	<b>3641802</b>		<b>1451555</b>	<b>2190247</b>	<b>3192579</b>
<b>Grand Total (A+B+C)</b>			<b>5514294271</b>	<b>207842960</b>	<b>328924</b>	<b>5721808307</b>	<b>0</b>	<b>351441789</b>	<b>5370366519</b>	<b>5514294271</b>
<b>Previous year (2016-17)</b>			<b>5348511377</b>	<b>1775887262</b>	<b>358092</b>	<b>7124040546</b>	<b>1195708575</b>	<b>414037702</b>	<b>5514294271</b>	
<b>Note:</b> The figure in Column 'Deductions' under Gross Block against the head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year. The figure in column ' Additions during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.										

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

SCHEDULE 4A - PLAN										
										Amount in ₹
Sr.No .	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		0	0	0	0		0	0	0
2	Site Development/Minor work		0	0	0	0		0	0	0
3	Buildings	5%	265684030	2549390	0	268233420		13411671	254821749	265684030
4	Roads & Bridges		0	0	0	0		0	0	0
5	Tube wells & Water Supply		0	0	0	0		0	0	0
6	Sewerage & Drainage		0	0	0	0		0	0	0
7	Electrical installation and Equipment		0	0	0	0		0	0	0
8	Plant & Machinery	20%	110523126	6978077	0	117501203		23500241	94000962	110523126
9	Scientific & Laboratory Equipment	40%	73541326	82408879	0	155950205		62380082	93570123	73541326
10	Office Equipment		0	0	0	0		0	0	0
11	Audio Visual Equipment	50%	336565	559307	0	895872		447936	447936	336565
12	Computers & Peripherals	40%	237440539	13517844	0	250958383	0	100383353	150575030	237440539
13	Furniture, Fixtures & Fittings	25%	36240065	2620785	0	38860850		9715213	29145637	36240065
14	Sports Equipment	50%	0	0	0	0		0	0	0
15	Vehicles	25%	412079	0	0	412079		103020	309059	412079
16	Lib. Books & Scientific Journals	50%	5606511	8154680	0	13761191		6880596	6880595	5606511
17	Small Value Assets		0	0	0	0		0	0	0
18	Work of Art		1310000	0	0	1310000		0	1310000	1310000
<b>Total (A)</b>			<b>731094241</b>	<b>116788962</b>	<b>0</b>	<b>847883203</b>	<b>0</b>	<b>216822112</b>	<b>631061091</b>	<b>731094241</b>
19	<b>Capital Work in Progress (B)</b>		<b>804296182</b>	<b>0</b>	<b>0</b>	<b>804296182</b>		<b>0</b>	<b>804296182</b>	<b>804296182</b>
Sr.No .	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation Related to prior period	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	0	0	0	0		0	0	0
21	E-journals	25%	0	0	0	0		0	0	0
22	Patents	25%	14520	0	0	14520		3630	10890	14520
<b>Total (C)</b>			<b>14520</b>	<b>0</b>	<b>0</b>	<b>14520</b>		<b>3630</b>	<b>10890</b>	<b>14520</b>
<b>Grand Total (A+B+C)</b>			<b>1535404943</b>	<b>116788962</b>	<b>0</b>	<b>1652193905</b>	<b>0</b>	<b>216825742</b>	<b>1435368163</b>	<b>1535404943</b>
<b>Previous year (2016-17)</b>			<b>1337192978</b>	<b>1661021233</b>	<b>0</b>	<b>2998214211</b>	<b>1195708575</b>	<b>267100693</b>	<b>1535404943</b>	

UNIVERSITY OF DELHI									
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018									
SCHEDULE 4B - NON PLAN									
									Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		19716892	0	0	19716892	0	19716892	19716892
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	347190512	1099197	0	348289709	17414485	330875224	347190512
4	Roads & Bridges		0		0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and Equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	66383974	10599105	225548	76757531	15351506	61406025	66383974
9	Scientific & Laboratory Equipment	40%	17537486	11632319	12001	29157804	11663122	17494682	17537486
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	18220	441024	1	459243	229622	229621	18220
12	Computers & Peripherals	40%	16999546	1809453	17125	18791874	7516750	11275124	16999546
13	Furniture, Fixtures & Fittings	25%	47437591	11071854	42933	58466512	14616628	43849884	47437591
14	Sports Equipment	50%	28680	0	0	28680	14340	14340	28680
15	Vehicles	25%	915236	27163	0	942399	235600	706799	915236
16	Lib. Books & Scientific Journals	50%	27450504	29149155	31316	56568343	28284172	28284171	27450504
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		0	0	0	0	0	0	0
<b>Total (A)</b>			<b>543678641</b>	<b>65829270</b>	<b>328924</b>	<b>609178987</b>	<b>95326225</b>	<b>513852762</b>	<b>543678641</b>
19	Capital Work in Progress (B)		0	0	0	0	0	0	0
Sr.No.	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	3059273	69454	0	3128727	1251491	1877236	3059273
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	13321	0	0	13321	3330	9991	13321
<b>Total (C)</b>			<b>3072594</b>	<b>69454</b>	<b>0</b>	<b>3142048</b>	<b>1254821</b>	<b>1887227</b>	<b>3072594</b>
<b>Grand Total (A+B+C)</b>			<b>546751235</b>	<b>65898724</b>	<b>328924</b>	<b>612321035</b>	<b>96581046</b>	<b>515739989</b>	<b>546751235</b>
<b>Previous year (2016-17)</b>			<b>578704971</b>	<b>71957191</b>	<b>358092</b>	<b>650304070</b>	<b>103552835</b>	<b>546751235</b>	

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULE 4 C - INTANGIBLE ASSETS**

									Amount in ₹
Sr.No.	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation/ Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Patents & Copyrights	25%	34441	0	0	34441	8610	25831	34441
2	Computer Software	40%	3158138	449223	0	3607361	1442945	2164416	3158138
3	E-Journals	25%	0	0	0	0	0	0	0
Total			3192579	449223	0	3641802	1451555	2190247	3192579
<b>Previous year (2016-17)</b>			<b>4989982</b>	<b>319503</b>	<b>0</b>	<b>5309485</b>	<b>2116906</b>	<b>3192579</b>	

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

Amount in ₹

<b>SCHEDULE 4( C) (I) PATENTS AND COPYRIGHTS</b>	<b>Op. Balance</b>	<b>Addition</b>	<b>Gross</b>	<b>Amortization</b>	<b>Net Block 20.....</b>	<b>Net Block 20.....</b>
<b>A. Patents Granted</b>						
1. Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs.../-)	----	----	----	----	----	----
2. Balance as on 31.03.14 of Patents obtained in 2010-11 (Original Value - Rs.../-)	----	----	----	----	----	----
3. Balance as on 31.03.14 of Patents obtained in 2012-13 (Original Value - Rs.../-)	----	----	----	----	----	----
4. Patents granted during the Current Year	----	----	----	----	----	----
<b>Total</b>	----	----	----	----	----	----
<b>Particulars</b>	<b>Op. Balance</b>	<b>Addition</b>	<b>Gross</b>	<b>Patents Granted/Rejected</b>	<b>Net Block 2013-14</b>	<b>Net Block 2012-13</b>
<b>A. Patents Pending in respect of Patents applied for</b>						
1. Expenditure incurred during 2009-10 to 2011-12	----	----	----	----	----	----
2. Expenditure incurred during 2012-13	----	----	----	----	----	----
3. Expenditure incurred during 2013-14	----	----	----	----	----	----
<b>Total</b>	----	----	----	----	----	----
<b>C. Grand Total (A+B)</b>	----	----	----	----	----	----

Note : The Addition in Part A (Patents granted), will be the figure of patents granted during the year, transferred from Part B (column-Patents granted/rejected). The amount against grants rejected during the year is written off in the income and Expenditure Account



SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018									
SCHEDULE 4D - OTHERS									
									Amount in ₹
Sr.No .	Assets Heads	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Depreciation for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
1	Land		0	0	0	0	0	0	0
2	Site Development/Minor work		0	0	0	0	0	0	0
3	Buildings	5%	78822462	1842097	0	80664559	4033228	76631331	78822462
4	Roads & Bridges		0	0	0	0	0	0	0
5	Tube wells & Water Supply		0	0	0	0	0	0	0
6	Sewerage & Drainage		0	0	0	0	0	0	0
7	Electrical installation and Equipment		0	0	0	0	0	0	0
8	Plant & Machinery	20%	43086878	7634107	0	50720985	10144197	40576788	43086878
9	Scientific & Laboratory Equipment	40%	31997818	10785171	0	42782989	17113196	25669793	31997818
10	Office Equipment		0	0	0	0	0	0	0
11	Audio Visual Equipment	50%	92563	8285	0	100848	50424	50424	92563
12	Computers & Peripherals	40%	4732357	1036108	0	5768465	2307386	3461079	4732357
13	Furniture, Fixtures & Fittings	25%	8931611	775693	0	9707304	2426826	7280478	8931611
14	Sports Equipment	50%	93	0	0	93	47	46	93
15	Vehicles	25%	1	0	0	1	0	1	1
16	Lib. Books & Scientific Journals	50%	839147	2694044	0	3533191	1766596	1766595	839147
17	Small Value Assets		0	0	0	0	0	0	0
18	Work of Art		2000000	0	0	2000000	0	2000000	2000000
<b>Total (A)</b>			<b>170502930</b>	<b>24775505</b>	<b>0</b>	<b>195278435</b>	<b>37841900</b>	<b>157436535</b>	<b>170502930</b>
19	<b>Capital Work in Progress (B)</b>		<b>3261529695</b>	<b>0</b>	<b>0</b>	<b>3261529695</b>	<b>0</b>	<b>3261529695</b>	<b>3261529695</b>
Sr.No .	Intangible Assets	Rate of Dep	W.D.V. at the beginning of the year	Additions during the year	Deductions\Sale during the year	Cost\Value at the year end	Amortization for the year	W.D.V. as at 31.03.2018	W.D.V. as at 31.03.2017
20	Computer Software	40%	98866	379769	0	478635	191454	287181	98866
21	E-journals	25%	0	0	0	0	0	0	0
22	Patents	25%	6600	0	0	6600	1650	4950	6600
<b>Total (C)</b>			<b>105466</b>	<b>379769</b>	<b>0</b>	<b>485235</b>	<b>193104</b>	<b>292131</b>	<b>105466</b>
<b>Grand Total (A+B+C)</b>			<b>3432138091</b>	<b>25155274</b>	<b>0</b>	<b>3457293365</b>	<b>38035004</b>	<b>3419258361</b>	<b>3432138091</b>
Note : The additions during the year include additions from :									
	Gifted		778						
	Project Close		14399432						
	Misc. Accounts Fund		6220593						
	Other Earmarked Fund		4534471						
	<b>Total</b>		<b>25155274</b>						

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

<b>SCHEDULE 5 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS</b>	<b>Amount in ₹</b>	
	<b>Current Year</b>	<b>Previous Year</b>
1. In Central Government Securities	883000000	247900000
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	83000	83000
5. Debentures and Bonds	----	----
6. Term Deposits with Banks	----	----
7. Others (to be specified)	----	----
<b>Total</b>	<b>883083000</b>	<b>247983000</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

**SCHEDULES 5 (A) INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUNDS WISE)**

			Amount in ₹
Sl. No.	Funds	Current Year	Previous Year
1	Misc. Accounts - Govt. Securities	18000000	18000000
2	Publications - Govt. Securities	300000	300000
3	Endowment Fund - Govt. Securities	319800000	185600000
4	Other Earmarked Fund - Govt. Securities	544900000	44000000
5	Endowment Fund - Shares	83000	83000
<b>Total</b>		<b>883083000</b>	<b>247983000</b>

Note : The Total in this sub schedule will agree with the total in Schedule 5.

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

<b>SCHEDULE 6 - INVESTMENT -OTHERS</b>	<b>Amount in ₹</b>	
	<b>Current Year</b>	<b>Previous Year</b>
1. In Central Government Securities		
2. In State Government Securities	----	----
3. Other approved Securities	----	----
4. Shares	----	----
5. Debentures and Bonds	----	----
6. Other (to be specified)	----	----
<b>TOTAL</b>	----	----

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

	Amount in ₹	
<b><u>SCHEDULE 7 - CURRENT ASSETS</u></b>	<b>Current Year</b>	<b>Previous Year</b>
<b>1. Stock</b>		
a) Stores and Spares	----	----
b) Loose Tools	----	----
c) Publication	----	----
d) Laboratory chemicals, consumables and glass ware	----	----
e) Building material	----	----
f) Electrical material	----	----
g) Stationery	9362094	12715923
h) Water supply material	----	
i) Liveries	----	196474
j) Drugs and Medicines	16531904	3895059
k) Answer Sheet	----	15012418
<b>2. Sundry Debtors :</b>		
a) Others Outstanding for a period exceeding six months	----	----
b) Others	----	----
<b>3. Cash and Bank Balance</b>		
<b>a) With Scheduled Banks :</b>		
-In Current Accounts	66031191	65626464
-In Term Deposit Accounts	11082529870	10123882586
-In Savings Accounts	891760948	1228784221
<b>b) With non-Scheduled Banks :</b>		
-In Term Deposit Accounts	----	----
-In Savings Accounts	----	----
<b>c) Cash Balance in hand (including cheques\drafts) :</b>	922600	943500
<b>4. Post Office Savings Accounts</b>	----	----
<b>TOTAL</b>	<b>12067138607</b>	<b>11451056645</b>

**Note : Annexure "A" shows the details of Bank Accounts**

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018**

					Amount in ₹
I	Current Account			Current Year	Previous Year
1	B R Amedkar Centre General Fund A/c			8000	23578
2	ICICI Bank A/c			3685476	1050992
3	SBI Law Centre II			134017	134017
4	SBI MG I			6826915	23875210
5	SBI MG II			10092507	10745135
6	SBI MG III			1160304	6280127
7	SDC Examination A/c			20073893	206339
8	SDC General Fund A/c			15884699	1138055
9	Sponsored Project Bank A/c			902824	2352045
10	Plan Current A/c			2806264	3545965
11	Current A/cs of Earmarked Fund			4456292	16275001
				<b>66031191</b>	<b>65626464</b>
II	Savings Bank Accounts				
1	External Candidate Cell A/c			897165	549733
2	NCWEB A/c			12658956	4909267
3	SBI Departmental Receipt A/c			2149027	5799288
4	SBI General Fund A/c			92087485	387974175
5	SBI Medical Reimbursement A/c			310382	3390707
6	Sponsored Project Bank A/c			296041608	279967106
7	Sponsored Fellowship and Scholarship			98598341	75189415
8	Plan Savings A/c			31341187	45532299
9	Savings A/cs of Earmarked Fund			306345189	415614087
10	CPF Account refundable to UGC			4025	17691
11	IDBI Bank A/c			4438342	9840452
12	ICICI Bank A/c (Online Fees)			46889241	-----
				<b>891760948</b>	<b>1228784221</b>
III	Term Deposit Accounts				
1	FDR from Earmarked Fund(including margin money)			5372127604	4928401148
2	FDR from UGC Refundable A/c			18072925	16858487
3	FDR from ACBR A/c			918073	918073
4	FDR from Social Work A/c			-----	2660351
5	FDR from Maintenance Grants			1215000000	700000000
6	Sponsored Project Bank A/c			1024108838	872243493
7	Sponsored Fellowship and Scholarship			25000000	25000000
8	FDR From Plan A/c (including margin money)			3419302430	3567801034
9	FDR From ICICI Bank A/C			8000000	10000000
				<b>11082529870</b>	<b>10123882586</b>

<b>SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2018</b>				
				<b>Amount in ₹</b>
<b>SCHEDULE 8 - LOANS, ADVANCES &amp; DEPOSITS</b>			<b>Current Year</b>	<b>Previous Year</b>
<b>1. Advances to employees (Non-interest bearing)</b>				
a) Salary			-----	-----
b) Festival			736612	937252
c) Medical Advance			-----	53,000
d) Leave Travel Concession			13308426	4047511
e) Other (to be specified)			-----	-----
<b>2. Long Term Advances to employees (Interest bearing)</b>				
a) Vehicle Loan/Conveyance/Computer			807020	1180920
b) Home Loan/HBA			1405975	1936830
c) Others (to be specified)			-----	-----
<b>3. Advances and other amounts recoverable in cash or in kind or for value to be received</b>				
a) On Capital Account			-----	-----
b) to Suppliers			-----	-----
c) Delhi University Pension Accounts			2980000	2980000
d) Delhi University Press			17395000	17395000
e) Sir Shankar Lal Chair in Chemistry Fund A/c			1100000	1100000
f) Other Advance out of Earmarked Funds			34662473	16144059
g) Other Advance out of Maintenance Grant A/c			611078101	685292917
h) Other Advances out of Sponsored Projects			126829527	144291005
i) Advance from Plan A/c			2026199559	1983897742
j) Others			1640866	1151924
<b>4. Prepaid Expenses</b>				
a) Insurance			-----	-----
b) Other Expenses			13813289	13842119
<b>5. Deposits</b>				
a) Telephone			-----	-----
b) Lease Rent			-----	-----
c) Electricity			20805300	20805300
d) AICTE, if applicable			-----	-----
e) DESU (Security)			4795	4795
f) Others			202373	202373
<b>6. Income Accrued:</b>				
a) On Investments from Earmarked/Endowment Funds			170068082	197205012
b) On Investments from ACBR/ UGC Refundable A/c			-----	-----
c) On Investments from UGC Refundable A/c			121433	153561
d) On Investments from Sponsored Projects			53199322	87703814
e) On Investments from Sponsored Fellowship and Scholarship			2132865	2188746
f) On Investments from Plan			118473352	120889004
g) On Investments from MGIE ( ICICI, SDC )			4517867	6616367
h) On Loans and Advances			-----	-----
i) Others (includes income due unrealized)			2271284	150000
<b>7. Other - Current Assets receivable from UGC/sponsored projects</b>				
a) Debit balances in Sponsored Projects			-----	-----
b) Debit balances in Sponsored Fellowships & Scholarships			-----	31192212
c) Grants Receivable			-----	-----
d) Other receivables			342	-----
<b>8. Claims Receivable</b>			-----	-----
<b>TOTAL</b>			<b>3223753863</b>	<b>3341361463</b>
<b>Note :</b>				
1. If revolving funds have been created for House Building, Computer and Vehicle advances to employees, the advances will appear as part of Earmarked/Endowment Funds. The balances against these interest -bearing advances will not appear in this schedule.				

<b>SCHEDULES FORMING PART OF INCOME &amp; EXPENDITURE FOR THE YEAR ENDED 31-03-2018</b>		
		<b>Amount in ₹</b>
<b>SCHEDULE - 9 ACADEMIC RECEIPTS</b>	<b>Current Year</b>	<b>Previous Year</b>
<b>FEES FROM STUDENTS</b>		
<b>Academic</b>		
1. Tuition fee	15562124	17980348
2. Admission Fee	2428539	2344991
3. Enrolment fee	19578022	14270108
4. Library Admission fee	1155149	1830082
5. Laboratory fee	29508	89605
6. Sports and Athletic Association Fee	7093785	10072489
7. Computer Fee	0	887500
8. Arts & Craft Fee	-----	-----
9. Registration fee	138611263	105705230
10. Syllabus fee	-----	-----
11. Other Fees	18332612	27854021
<b>Total (A)</b>	<b>202791002</b>	<b>181034374</b>
<b>Examinations</b>		
1. Admission Test Fee	-----	-----
2. Annual Examination Fee	812885165	715006643
3. Mark sheet, certificate Fee	17361725	16026730
4. Entrance Examination Fee	46651301	29428805
<b>Total (B)</b>	<b>876898191</b>	<b>760462178</b>
<b>Other Fees</b>		
1. Identity card Fee	-----	-----
2. Fine/Miscellaneous Fee	-----	-----
3. Medical Fee	-----	-----
4. Transportation Fee	-----	-----
5. Hotel Fee	-----	-----
<b>Total (C)</b>	<b>0</b>	<b>0</b>
<b>Sale of Publications</b>		
1. Sale of Admission forms		-----
2. Sale of syllabus and Question Paper, etc.	-----	-----
3. Sale of prospectus including admission forms	244740	12544233
<b>Total (D)</b>	<b>244740</b>	<b>12544233</b>
<b>Other Academic Receipts</b>		
1. Registration fee for workshops, programmes		-----
2. Registration fees (Academic Staff College)	-----	-----
<b>Total (E)</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL (A+B+C+D+E)</b>	<b>1079933933</b>	<b>954040785</b>



**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

**SCHEDULE 10- GRANTS/SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)**

							Amount in ₹
Particulars	Govt. of India	Plan Plan	UGC Specific Schemes	Total Plan	Non Plan UGC	Current Year Total	Previous Year Total
Balance B/F		<b>5721197188</b>		5721197188		5721197188	7146469470
Add: Receipts during the year		260850724	0	260850724	5057298000	5318148724	4843055821
<b>Total</b>		5982047912	0	5982047912	5057298000	11039345912	11989525291
Less : Refund to UGC Balance				0		0	0
Less : Utilized for Capital expenditure (A)		116788962	0	116788962	65898724	182687686	1732978424
<b>Balance</b>		5865258950	0	5865258950	4991399276	10856658226	10256546867
<b>Less: utilized for Revenue Expenditure (B)</b>		<b>277508611</b>	<b>0</b>	<b>277508611</b>	4991399276	<b>5268907887</b>	<b>4535349679</b>
<b>Balance C/F (C)</b>	<b>-</b>	<b>5587750339</b>	<b>0</b>	<b>5587750339</b>	<b>0</b>	<b>5587750339</b>	<b>5721197188</b>

A- Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B- Appears as income in the Income & Expenditure Account.

C- (I) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.  
(II) Represented by Bank balances, Investments and Advances on the assets side.

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

SCHEDULE 11- INCOME FROM INVESTMENTS	Amount in ₹			
	Earmarked/Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
<b>1. Interest</b>				
a. On Government Securities	----	----	----	----
b. Other Bonds/Debentures	----	----	----	----
<b>2. Interest on Term Deposits</b>	400184996	389466567	38074029	44491931
<b>3. Income accrued but not due on Term Deposits/Interest bearing advances to employees.</b>	----	----	----	----
<b>4. Interest on Saving Bank Accounts</b>	5875732	9367793	0	0
<b>5. Others (Specify)</b>	----	----	----	----
<b>Total</b>	<b>406060728</b>	<b>398834360</b>	<b>38074029</b>	<b>44491931</b>
<b>Transferred to Earmarked/Endowment Funds</b>	<b>406060728</b>	<b>398834360</b>		

Note: Interest accrued but not due on Term Deposits from HBA Fund, conveyance advance fund and Computer Advance fund and on interest bearing advances to employees will be included here (Item 3), only where Revolving funds (EMF) for such advances have been set up.

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

<b>SCHEDULE 12 - INTEREST EARNED</b>	<b>Amount in ₹</b>	
	<b>Current Year</b>	<b>Previous Year</b>
<b>1.On Savings Accounts with scheduled banks</b>	2907044	10757610
<b>2.On Loans</b>		
a. Employee/Staff	----	----
b. Others	----	----
<b>3. On Debtors and Other Receivables</b>	----	----
<b>Total</b>	<b>2907044</b>	<b>10757610</b>

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

**SCHEDULE 13 - OTHER INCOME**

				<b>Amount in ₹</b>
			<b>Current Year</b>	<b>Previous Year</b>
<b>A. Income from Land &amp; Building</b>				
1. Rent from Building/Land etc.			3909655	5548000
2. License fee			9057198	17106751
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc.			-----	-----
4. Electricity charges recovered			-----	-----
5. Water charges recovered			-----	-----
<b>Total (A)</b>			<b>12966853</b>	<b>22654751</b>
<b>B. Sale of Institute's publications</b>				
<b>C. Income from holding events</b>				
1. Gross Receipts from annual function/sports carnival			-----	-----
Less : Direct expenditure incurred on the annual function/sports carnival				
2. Gross Receipts from fest			-----	-----
Less : Direct expenditure incurred on the fest				
3. Gross Receipts for educational tours			-----	-----
Less : Direct expenditure incurred on the tours				
4. Others (to be specified and separately disclosed)			-----	-----
<b>Total (C)</b>				
<b>D. Others</b>				
1. Income from consultancy			-----	-----
2. RTI fee			42932	19777
3. Income from Royalty			-----	-----
4. DU recruitment			5753000	0
5. Misc. receipts (Sale of tender form, waste paper, etc.)			1048814	473820
6. Profit on Sale/disposal of Assets				
a) Owned assets			-----	-----
b) Assets received free of cost			-----	-----
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations			-----	-----
8. Health Centre Contribution			27351104	31825567
9. Others (Specify)			20658584	8010606
<b>Total (D)</b>			<b>54854434</b>	<b>40329770</b>
<b>GRAND TOTAL (A+B+C+D)</b>			<b>67821287</b>	<b>62984521</b>

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

**SCHEDULE 14- PRIOR PERIOD INCOME**

Particulars	Amount in ₹	
	Current Year	Previous Year
1. Academic Receipts	----	----
2. Income from Investments	----	----
3. Interest earned	----	----
4. Other Income	----	----
<b>Total</b>	----	----

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

**SCHEDULE - 15 STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)**

<u>Particulars</u>	Amount in ₹					
	<u>Current Year</u>			<u>Previous Year</u>		
	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>	<u>Plan</u>	<u>Non Plan</u>	<u>Total</u>
a) Salaries and Wages						
Teaching staff	2491765	1371974516	1374466281	11201867	1395626962	1406828829
Non-Teaching staff	4634617	1217629147	1222263764	12807878	845372340	858180218
Lower Subordinate staff	-----	241914911	241914911	125665	253901521	254027186
b) Allowances and Bonus	-----	-----	0	-----	13857214	13857214
c) Contribution to Provident Fund	-----	3399921	3399921	-----	4075298	4075298
d) Contribution to other funds (specify)	-----	-----	0	-----	-----	0
e) Staff Welfare Expenses (Liveries)	-----	739484	739484	-----	613510	613510
f) Retirement and Terminal Benefits	-----	2045419564	2045419564	621234	2740492121	2741113355
g) LTC facility	-----	39823840	39823840	-----	23160413	23160413
h) Medical facility	-----	151888149	151888149	-----	134485232	134485232
i) Children Education Allowance	227107	12032239	12259346	184500	12020646	12205146
j) Honorarium	346500	114970607	115317107	281649	84844483	85126132
k) Others	-----	-----	0	-----	-----	0
<b>Total</b>	<b>7699989</b>	<b>5199792378</b>	<b>5207492367</b>	<b>25222793</b>	<b>5508449740</b>	<b>5533672533</b>

## **SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

### **SCHEDULE 15 A - EMPLOYEES RETIREMENT AND TERMINAL BENEFIT**

					Amount in ₹
	Pension	Gratuity	Leave Encashment	Total	Previous year
Opening Balance as on 01.04.17	<b>16984796238</b>	<b>1120240441</b>	1054065434	<b>19159102113</b>	<b>17620155966</b>
Addition : Capitalized value of Contributions Received from other Organizations	19153955	10495768	1520784	<b>31170507</b>	<b>16693566</b>
<b>Total (a)</b>	<b>17003950193</b>	<b>1130736209</b>	<b>1055586218</b>	<b>19190272620</b>	<b>17636849532</b>
Less: Actual Payment during the Year (b)	1024553635	115740424	98939135	<b>1239233194</b>	1173413401
Balance Available on 31.03.18 c (a-b)	<b>15979396558</b>	<b>1014995785</b>	<b>956647083</b>	<b>17951039426</b>	16463436131
Provision required on 31.03.18 as per Actuarial Valuation (d)	<b>17828303630</b>	<b>1246794419</b>	<b>873230725</b>	<b>19948328774</b>	19159102113
A. Provision to be made in the Current year (d-c)	1848907072	231798634	(83416358)	<b>1997289348</b>	<b>2695665982</b>
B. Contribution to New Pension Scheme	----	----	----	47410216	44526139
C. Medical Reimbursement to Retired Employees	----	----	----	----	----
D. Travel to Hometown on Retirement	----	----	----	----	----
E. Deposit Linked Insurance Payment	----	----	----	720000	300000
<b>TOTAL (A+B+C+D+E)</b>	<b>1848907072</b>	<b>231798634</b>	<b>(83416358)</b>	<b>2045419564</b>	<b>2740492121</b>

**Note:**

1. The total (A+B+C+D+E) in this sub schedule will be the figure against Retirement and Terminal Benefits in Schedule 15.
2. Items B,C,D&E will be accounted on accrual basis and will include bills preferred but outstanding for payment on 31/3/18

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

Amount in ₹						
<b>SCHEDULE 16 - ACADEMIC EXPENSES</b>	<b>Current Year</b>			<b>Previous Year</b>		
	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>
a) Laboratory Expenses	2998402	17659833	20658235	31931114	13897265	45828379
b) Field work/Participation in Conferences	1188760	627344	1816104	1947676	-----	1947676
c) Expenses on Seminars/Workshops	2426947	5754422	8181369	2875315	7741503	10616818
d) Award and Scholarships	39614484	45263028	84877512	105925499	1329774	107255273
e) Registration charges of institution of Eminence	-----	10000000	10000000	-----	7938393	7938393
d) Payment to visiting faculty	659816	38290	698106	216086	0	216086
e) Examination	-----	394012058	394012058	11400	299881219	299892619
f) Refund of Fees	-----	1088947	1088947	-----	1552959	1552959
g) Entrance Exam	-----	42940437	42940437	-----	24300129	24300129
f) Student Welfare Expenses	-----	-----	0	-----	-----	0
g) Admission Expenses	-----	-----	0	-----	-----	0
h) Convocation Expenses	-----	-----	0	-----	-----	0
i) Publications	318778	319985	638763	996008	-----	996008
j) Stipend/means-cum-merit scholarship	-----	423886	423886	-----	-----	0
k) Subscription Expenses	-----	-----	0	-----	-----	0
l) Others (specify)	-----	-----	0	2778620	-----	2778620
<b>TOTAL</b>	<b>47207187</b>	<b>518128230</b>	<b>565335417</b>	<b>146681718</b>	<b>356641242</b>	<b>503322960</b>



**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

						Amount in ₹
<b>SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES</b>			<b>Current Year</b>	<b>Previous Year</b>		
	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>
<b>A Infrastructure</b>						
a) Electricity and Power	-----	272639105	272639105	-----	279634317	279634317
b) Water charges	-----	69810200	69810200	-----	54935426	54935426
c) Insurance	-----	-----	0	-----	-----	0
d) Rent, Rates and Taxes (including property tax)	79632	48479683	48559315	-----	44668728	44668728
<b>B) Communication</b>						
e) Postage and Telephone	300	7392485	7392785	120999	7900267	8021266
f) Telephone, Fax and Internet Charges	-----	-----	0	-----	-----	0
g) Connectivity Expenses	-----	79682177	79682177	2904581	57346950	60251531
<b>C) Others</b>						
h) Printing and Stationery (consumption)	980687	16932575	17913262	3448548	14143406	17591954
i) Travelling and Conveyance Expenses	5657385	6861559	12518944	17483372	13366714	30850086
j) Hospitality	725779	-----	725779	1485059	-----	1485059
k) Auditors Remuneration	-----	-----	0	-----	-----	0
l) Legal & Professional Charges	-----	9864021	9864021	185169	11014645	11199814
m) Advertisement and Publicity	-----	3206557	3206557	85405	0	85405
n) Magazines & Journals	-----	68596187	68596187	791197	68470253	69261450
o) Watch & Ward Expenses	-----	118539386	118539386	908226	77700042	78608268
p) House Keeping Expenses	-----	76520732	76520732	-----	47385636	47385636
q) Games & Sports	-----	8894746	8894746	286128	6995800	7281928
r) Medical Expenses	-----	42641036	42641036	16675	62149569	62166244
s) Others/Contingency	739634	22370982	23110616	4899414	26801851	31701265
<b>TOTAL</b>	<b>8183417</b>	<b>852431431</b>	<b>860614848</b>	<b>32614773</b>	<b>772513604</b>	<b>805128377</b>

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

Amount in ₹

<b>SCHEDULE - 18 TRANSPORTATION EXPENSES</b>	<b>Current Year</b>			<b>Previous Year</b>		
	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>
1 Vehicles (owned by institution)	----	----	0	----	----	0
a) Running expenses	----	----	0	----	----	0
b) Repairs & maintenance	----	----	0	----	----	0
c) Insurance expenses	----	----	0	----	----	0
2 Vehicles taken on rent/lease	----	----	0	----	----	0
a) Rent/lease expenses	----	----	0	----	----	0
3 Vehicle (Taxi) hiring expenses	33283	1369326	1402609	5857416	1079093	6936509
<b>Total</b>	<b>33283</b>	<b>1369326</b>	<b>1402609</b>	<b>5857416</b>	<b>1079093</b>	<b>6936509</b>

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

Amount in ₹

SCHEDULE - 19 REPAIRS & MAINTENANCE	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Buildings	-----	123572932	123572932	-----	161114197	161114197
b) Furniture & Fixtures	48540	4831969	4880509	153085	5491043	5644128
c) Plant & Machinery	16166	1087548	1103714	7210532	15277748	22488280
d) Office Equipment	2956347	6384473	9340820	-----	-----	0
e) Computers	415354	5895341	6310695	3019326	-----	3019326
f) Laboratory & Scientific equipment	-----	969496	969496	-----	400031	400031
g) Audio Visual equipment	-----	-----	0	-----	-----	0
h) Cleaning Material & services	-----	-----	0	-----	-----	0
i) Book binding charges	-----	-----	0	-----	-----	0
j) Gardening	5450	7561940	7567390	41700	5318752	5360452
k) Estate Maintenance	-----	-----	0	-----	-----	0
l) Vehicles	-----	1970904	1970904	-----	1823791	1823791
m) Others (Specify)	1551004	-----	1551004	-----	-----	0
	-----	-----	0	-----	-----	0
<b>Total</b>	<b>4992861</b>	<b>152274603</b>	<b>157267464</b>	<b>10424643</b>	<b>189425562</b>	<b>199850205</b>

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

Amount in ₹

SCHEDULE - 20 FINANCE COSTS		Current Year			Previous Year		
		Plan	Non Plan	Total	Plan	Non Plan	Total
a)	Bank charges	363044	1,06,625	469669	273703	169860	443563
b)	Others (specify)	-----	-----	-----	-----	-----	-----
<b>Total</b>		<b>363044</b>	<b>106625</b>	<b>469669</b>	<b>273703</b>	<b>169860</b>	<b>443563</b>

Note:- If the amount is not material, the head Bank charges could be omitted and these could be accounted as Administrative expenses in Schedule 17.

<b>SCHEDULES FORMING PART OF INCOME &amp; EXPENDITURE FOR THE YEAR ENDED 31-03-2018</b>							
							Amount in ₹
<b>SCHEDULE - 21 Expenditure on Grants, Subsidies etc.</b>	<b>Current Year</b>			<b>Previous Year</b>			
	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>	<b>Plan</b>	<b>Non Plan</b>	<b>Total</b>	
a) Provision for Bad and Doubtful Debts/Advances	-----	-----	-----	-----	-----	-----	
b) Irrecoverable Balances Written- off	-----	-----	-----	-----	-----	-----	
c) Grants/Subsidies to other institutions/organizations	209028830	127549571	336578401	51001824	110484504	161486328	
d) Others (specify)	-----	-----	-----	-----	-----	-----	
<b>Total</b>	<b>209028830</b>	<b>127549571</b>	<b>336578401</b>	<b>51001824</b>	<b>110484504</b>	<b>161486328</b>	
Note:-							
	Other expenses shall be classified as writes - off, provisions, miscellaneous expenses, loss on sale of investments, loss of fixed assets and loss on sale of fixed assets etc. and disclosed accordingly.						

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018									
<b>SCHEDULE 22: PRIOR PERIOD EXPENSES</b>									
									Amount in ₹
Particulars	Current Year			Previous Year					
	Plan	Non Plan	Total	Plan	Non Plan	Total			
1 Establishment expenses	0	0	0	----	----	----			
2 Academic expenses	----	----	0	----	----	----			
3 Administrative expenses	----	----	0	----	----	----			
4 Transportation expenses	----	----	0	----	----	----			
5 Repairs & Maintenance	----	----	0	----	----	----			
6 Other expenses	----	----	0	----	----	----			
7. Depreciation related to prior period	----	----	0	1195708575	0	1195708575			
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	1195708575	<b>0</b>	<b>1195708575</b>			

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31-03-2018**

	Amount in ₹	
<b>Increase/Decrease in Stock</b>	<b>Current year</b>	<b>Previous year</b>
<b>a.) Closing Stock</b>		-
Stationery	9362094	12715923
Drugs and Medicines	16531904	3895059
Liveries	0	196474
Answer Sheet	0	15012418
<b>b.) Less :Opening Stock</b>	31819874	-----
<b>Net Increase/Decrease (A-B)</b>	<b>(5925876)</b>	<b>31819874</b>

## UNIVERSITY OF DELHI

### **SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31<sup>ST</sup> MARCH 2018**

#### **Schedule 23: Significant Accounting Policies**

**1 Basis for Preparation of accounts :**

- a. The financial statements are prepared on the basis of historical cost convention and generally on the accrual method of accounting unless otherwise stated.

**2 Revenue Recognition :**

- a. Fee from students, Sale of admission forms, tuition fees for each semester and Interest on Savings Bank accounts are accounted for on cash basis.
- b. From F.Y 2016-17 University has changed its policy regarding accounting of Income from Land, Buildings and other Property and Interest on investments from cash basis to accrual basis.
- c. Interest on interest bearing advances to staff for House Building, Purchase of Vehicles and Computers are accounted for accrual basis every year, though the actual recovery of interest starts after the full repayment of the principal.

**3 Fixed Assets and Depreciation :**

- a. Fixed assets are stated at cost of acquisition including inward freight, duties, taxes, incidental direct expenses related to acquisition, installation and commissioning less depreciation. Fixed assets received by the University without any consideration has been capitalized in the financial statement at a nominal value i.e., at ₹.One per asset.

3.1 Gifted / donated assets are valued at a nominal value at `Rs. 1/- (One) per asset.

3.2 Books received as gift are valued at a nominal value i.e., at `Rs. 1/- (One) per asset.

3.3 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on written down value method as specified in the Guidance Note issued by the Institute of Chartered Accountants of India, at the following rates :



**Tangible Assets:**

S.No.	Type of Assets	Rate
1	Land	0%
2	Building	5%
3	Furniture & Fixture	25%
4	Scientific Equipment	40%
5	Computer including Printers, UPS etc.	40%
6	Library Books	50%
7	Buses, Vans etc.	30%
8	Cars, Scooters	25%
9	Plant & Machinery including Air-conditioners, Generators, Fire Extinguishers, Telephone, Television sets, Photo copiers, Fax Machines, Water Coolers, Projectors etc.	20%
10	Musical Instruments	50%
11	Sports Equipment	50%

**Intangible Assets (amortization):**

1	Computer Software	40%
2	Patents	25%

3.4 In respect of additions to fixed assets during the year, depreciation is provided for full year. In respect of sale/deductions from the fixed assets, no depreciation is charged.

3.5 Assets created out of Earmarked Funds where the ownership of such assets vest in the university, are set-up by credit to Capital Fund and merged with the Fixed Assets of the University. Depreciation is charged at the rates applicable to respective assets. Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

3.6 Assets, the individual value of each of which is Rs 5000/- or less (except Library books) are treated as revenue expenditure. However physical accounting and controls are continued by the holders of such assets.

**4 Intangible Assets:**

Patents, copy rights and computer software are grouped under intangible Assets.

4.1 **Patents:** The expenditure incurred from time to time (application fees, legal expenses etc.) for obtaining Patent is capitalized and shown as part of Intangible assets in the Balance Sheet. If applications for Patents are rejected, the cumulative expenditure incurred on the particular Patent is written off to the Income & Expenditure in the year of application is rejected. The rate of depreciation is provided @ 25% on written down value method.

4.2 Electronic Journals: The amount spent on E- Journals/ periodicals are treated as revenue expenditure to the extent of the benefits utilized in the current year and rest of the amount is accounted in books of account on accrual basis as prepaid expenses.

4.3 Expenditure on acquisition of software has been separated from computer and peripherals and depreciation is provided @ 40% on written down value method w.e.f. **1st April, 2014.**

**5 Stocks:**

The stock at the end of the year has been valued at the cost and has been shown in Income and Expenditure account under the head of expenses. Since the cost incurred on purchase of these items has already been accounted as expenditure.

**6 Retirement Benefits :**

Retirement Benefits i.e., pension, gratuity and leave encashment are provided on the basis of actuarial valuation as per Accounting Standard -15. Capitalized value of Pension, gratuity and earned leave received from previous employers of Universities employees, who have been absorbed in the university is credited to the respective provision Accounts. Pension and leave salary contribution received in respect of employees on deputation is also credited to the respective provision accounts.

**7 Investments :**

All Investment are stated at cost.

**8 Earmarked/ Endowment Funds :**

The Earmarked Fund consisting of Corpus Fund, Housing Building Fund, Conveyance Fund (including computer advances and other such funds) are long term funds and earmarked for specific purposes. Each of the Funds has a separate bank account. Those with large balances also have investment in government securities, bonds and term deposit with Banks. The income from investment/ advances (house building, conveyance and computer) is accounted on accrued basis and interest on savings bank accounts are credited to the respective fund on cash basis. The expenditure and advances (in the case of housing building conveyance/computers) are debited to the respective funds.

8.1 The balance of respective funds is carried forward on the liability side of the Balance Sheet and is represented by bank balance, advances, Fixed Deposit and investment on the asset side of the Balance Sheet.

8.2 Assets purchased/created out of Earmarked Funds where the ownership of the assets vests in the University, are merged with the fixed assets of the University by debiting respective fixed asset account and crediting Capital Fund account. Depreciation is charged at the rates applicable to the respective assets.

**8.3 Endowment Funds:** Endowment Funds are received from various individual donors, Trust and other Organization, for establishing Chairs and for Medals, Prizes and scholarships, as specified by the donors.

The Income from investment of each Endowment Fund is added to the Fund. The expenditure on Medals & Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward to next year. In respect of chairs, however, the Corpus of Endowment is also used.

The balances are represented by Investment in RBI Bonds and Fixed Deposits and balance in Savings Bank Account common for all Endowments, and Accrued Interest on Investments.

## **9 Government and UGC Grants :**

9.1 Government Grant and UGC grants are accounted for on receipt basis. However, where a sanction for release of grant pertaining to financial year received before 31<sup>st</sup> March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount shown as recoverable from grantor.

9.2 To the extent utilized towards capital expenditure (on accrual basis), grant from UGC are transferred to the capital fund.

9.3 UGC grant to the extent utilized for meeting Revenue Expenditure (on accrual basis) are treated as income of the year in which they are realized.

9.4 Unutilized Grant ( including advances paid out of such grants) are carried forward and exhibited as a liability in the Balance Sheet

## **10 Investments of Earmarked Fund and Interest Income Accrued on such Investments:**

To the extent not immediately required for expenditure the amounts available against such funds are invested in approved Securities and Bonds or deposited for fixed term with Banks, leaving the balance in Savings Bank Account.

Interest received, interest accrued and due and interest accrued but not due on such investment are added to the respective funds and not treated as income of the Institution.

## **11 Sponsored Projects :**

11.1 In respect of ongoing sponsored projects the amount received from sponsors are credited to the head Current liabilities and Provisions- Current Liabilities – Other Liabilities – receipt against ongoing sponsored projects. As and when expenditure incurred/ advances are paid against such project, or the concerned project account is debited with allocated overhead charges, the liability account is debited.

11.2 In addition to funds for fellowship released by the UGC, fellowship and scholarship are also sponsored by various organizations. These are accounted in the same way as Sponsored Project except that the expenditure generally is only on distribution of fellowship and Scholarship which may include allowances for contingent expenditure by fellow and scholars.

11.3 The Institutions itself also awards fellowships and Scholarships, which are accounted on Academic expenses.

11.4 Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

## **12 Income Tax :**

The Income of the institution is exempt from Income Tax under section 10(23) (c) of the Income Tax Act. No provision for tax is therefore made in the accounts.

## **SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31<sup>ST</sup> MARCH, 2018**

### **Schedule 24: Contingent Liabilities and Notes on Accounts**

#### **1 Contingent Liabilities :**

(a) Various claims filed by present/former employees of the University are pending before Industrial Tribunals and the Hon'ble High Court of Delhi. The quantum of claim is not ascertainable.

(b) An Amount of Rs 14.25 Crore is payable to ECIL as balance payment for supplying and commissioning of security equipment related to various venues of DU areas during Commonwealth Games 2010 (against bill amount of Rs 28.23 Crore ). The balance payment was stopped by the Ministry of Home Affairs as the matter is sub- Judice in the Hon'ble Court.

#### **2 Capital Commitments ( Capital Works In Progress)**

Capital Works in Progress includes the amount paid by University till 31<sup>st</sup> March 2018 towards construction of the following Projects

I. Construction of stadium for Common Wealth Games	₹ 311,18,50,653/-
II. Construction of 1500 seated Rajiv Gandhi Girls Hostel for under graduate and Post graduate students at Dhaka North Campus	₹ 74,72,81,869/-
III. Construction of 70 'D' type flats at Dhaka	₹ 8,38,20,926/-
IV. Other Projects From Earmarked/ Endowment Fund	₹ 12,28,72,429/-

#### **3 Fixed Assets :**

3.1 Addition in the year to Fixed Assets in Schedule 4 include assets purchased out of plan funds Rs.11,67,88,962/- Non plan Funds Rs. 6,58,98,724/- and Earmarked/Endowment Fund Rs 1,07,55,064/- sponsored projects closed 1,43,99,432/- and Library Books and other assets of the value of Rs 778/- (at nominal value of Rs. 1/- per assets) gifted to the university. The assets have been set up by credit to Capital Fund.

3.2 In the Balance sheet as on 31<sup>st</sup> March, 2014 and the Balance Sheets of earlier years Fixed Assets created out of Plan Fund and Fixed Assets created out of non-plan funds were not exhibited distinctly. Further the addition during the year from plan, non-plan funds, and other funds, and the depreciation on those additions respectively has been exhibited distinctly in sub schedule A B & D to the main schedule of the Fixed Assets (Schedule 4)

3.3 Fixed Assets set out in Schedule 4 do not include Assets purchased out of funds of sponsored Project, held & used by the university, as Project contracts includes stipulations that all such Assets purchased out of Project funds will remain the property of Sponsors till the project is closed.

**4 Deposit Liabilities :**

There is no amount of earnest money deposit & security deposit which has been transferred to Revenue Account

**5 Expenditure in Foreign currency :**

Transaction denominated in Foreign Currency are accounted for at the exchange rate prevailing at the date of payment/realization.

**6 Current Assets, Loans & Advances and Deposits :**

7.1 In the opinion of the management, the Current Assets, Loans and Advances have a value on realization in the ordinary course, equal at least to the aggregate amounts shown in the Balance Sheet.

7.2 The Loans & Advances shown in the asset side of the Balance Sheet does not include, advances pertaining to period up to 31<sup>st</sup> March 2006, are still outstanding for final statement. These advances were charged to the respective head of account at the time of release of advance.

**7 Bank Balances :**

The details of balances in Savings Bank Accounts, Currents Accounts & Fixed Deposit Accounts with Banks are enclosed as attachment "A" to the schedule of current assets.

- All Savings Bank Accounts with auto sweep facility (Flexi Deposit) generate interest at the rate applicable to the Fixed Deposit for the duration for which the funds are kept in the "Flexi Deposit Account". The interest income in such savings bank accounts is accounted for on accrual basis.

**8** Previous year figures have been regrouped/rearranged where ever necessary.

**9** Figures in the final accounts have been rounded off to the nearest rupee.

**10** Schedule 1 to 24 are annexed to & form an integral part of the Balance Sheet as on 31<sup>st</sup> March 2018 and the Income & Expenditure Account for the year ended 31<sup>st</sup> Mar 2018

**11 Provident Fund Accounts:**

As the Provident Fund Accounts including New Pension Scheme Fund are owned by the members of those funds and not by the University, these accounts were separated from the University Accounts. However, a Receipts & Payments Accounts, an Income & Expenditure Account (on Accrual basis) and a Balance Sheet of the Provident Fund Accounts as well as the New Pension Scheme for the year 2017-18 have been attached, to the University's Accounts.

**12 Salaries:**

The expenditure on salary is for the period from March 2017 to February 2018. No provision is made towards salary for the month of March 2018.

**13 Halls & Hostel:**

As Hall & Hostels are separate reporting entities, their accounts are prepared separately from the University Accounts. However, a consolidated Receipts & Payments Account , consolidated Income & Expenditure Account and a consolidated Balance Sheet of all the Halls & Hostels and Guest Houses have been attached to the University's Account.

**14 Delhi University Press:**

As University Press is a separate reporting entity, its accounts are prepared separately and attached to the University's Account.

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2018							
							Amount in ₹
RECEIPTS		Current Year	Previous Year	PAYMENTS		Current Year	Previous Year
<b>I. Opening Balances</b>				<b>I. Expenses</b>			
a) Cash Balances			----	a) Establishment Expenses		4418265705	3994726386
b) Bank Balances				b) Academic Expenses		565335417	503322960
i. In Current Accounts		65626464	69881547	c) Administrative Expenses		853301118	779428440
ii. In Saving Accounts		1228784221	1040611971	d) Transportation Expenses		1402609	6936509
iii. In Deposit Accounts		10123882586	9716383113	e) Repairs & Maintenance		157267464	199850205
c) Permanent Advance		943500	983500	f) Finance costs		469669	443563
<b>II. Grants Received</b>				g) Expenditure on Grant		336578401	161486328
a) From Government of India		----	----	h) Prior Period Items		----	----
b) From State Government		----	----				
c) From UGC				<b>II. Payments against Earmarked/ Endowment Funds</b>		399813660	450955909
i) Grant for Capital Expenditure-Non Plan	65898724		----				
ii) Grant for Revenue Expenditure-Non Plan	4991399276		----	<b>III. Payments against Sponsored Projects/Schemes</b>		550570609	555192068
Less: Advance Grant received	----	5057298000	4335230000				
d) From other sources (details)				<b>IV. Payments against Sponsored Fellowships/Scholarships</b>		90093724	335144552
( Grants for capital & revenue exp/ to be shown separately if available)				<b>V. Payments against Plan Accounts</b>		----	----
<b>III. Academic Receipts</b>				<b>VI. Investments and Deposits made</b>			
a) Fees and Subscriptions		1079689193	941496552	a) Out of Earmarked/Endowment		635100000	----
b) Sale of Publications		244740	12544233	b) Out of own funds (Investments - Others)		----	----
<b>IV. Receipts against Earmarked/Endowment Funds</b>		927543075	611963335	<b>VII. Term Deposits with Scheduled Banks</b>		----	----
<b>V. Receipts against Sponsored Projects/Schemes</b>		582212537	580930373	<b>VIII. Expenditure on Fixed Assets and</b>		----	----
<b>VI. Receipts against Plan</b>		37029625	246082071	a) Fixed Assets		193607434	1745679530
<b>VII. Receipts against Sponsored Fellowships and Scholarships</b>		137431420	328040602	b) Capital Works - In - Progress		----	----
				<b>IX. Other Payments including</b>			
				Other body transaction		15966727	27538910



<b>VIII. Income on Investments From</b>				<b>X. Refunds of Grants</b>	----	----
a) Earmarked/Endowment Funds		427321925	311459728			
b) Plan Accounts		226236751	305857123	<b>XI. Deposits and Advances</b>		
c) Sponsored Projects		116182720	89003867	a) Festival Advance	12500809	9785235
d) Sponsored Fellowship & Scholarship		6071230	4202701	b) Advances	----	----
				c) Permanent Advance	----	----
<b>IX. Interest received on</b>				d) Medical Advance	----	----
a) Bank Deposits		40172529	38086481	e) LTC Advance	9260915	----
b) Loans and Advances		----	----	f) Remittances	----	----
c) Savings Bank Accounts		2907044	10757610			
<b>X. Investments encashed</b>		----	97600000	<b>XII. Other Payments</b>	----	----
<b>XI. Term Deposits with Scheduled Banks encashed</b>		----	----	<b>XIII. Closing Balances</b>		
				a) Cash in hand		----
				b) Bank Balances		
<b>XII. Other Income (including Prior Period Items)</b>		66129293	62834521	- In Current Accounts	66031191	65626464
				- In Savings Accounts	891760948	1228784221
				- In Deposits Accounts	11082529870	10123882586
<b>XIII. Deposits and Advances</b>				c) Permanent Advance	922600	943500
a) Festival Advance		12701449	10199885			
b) LTC Advance		----	2471227			
c) Medical Advance		53000	451000			
d) Permanent Advance		----	----			
e) Advances		87528256	1325488119			
f) Remittances		4672176	1323844			
<b>XIV. Miscellaneous Receipts including Statutory Receipts</b>		39016709	44188743			
<b>XV. Any Other Receipts</b>		11100427	1655221			
<b>TOTAL</b>		<b>20280778870</b>	<b>20189727367</b>	<b>TOTAL</b>	<b>20280778870</b>	<b>20189727367</b>

**PROVIDENT FUND ACCOUNT**  
**BALANCE SHEET AS ON 31st MARCH 2018**

							(Amount/Rs.)
Previous Year 31.03.17	Liabilities		Current Year 31.03.18	Previous Year 31.03.17	Assets		Current Year 31.03.18
	<b><u>GPF</u></b>	-					
3307304110	Opening Balance	3490971612		2354990000	Investment (Bonds)		
475912213	Add: Subscriptions in the year	481248991			-- GPF	1343000000	
261196202	Add: Interest Credited	268576530			-- CPF	1283990000	2626990000
(553440880)	Less: Advance/Withdrawal	(522501493)					
(33)	Less: Adjustment relating to Previous yr.	(245426)		1894700000	Deposits Accounts (FD)		
3490971612	Closing Balance		3718050214		-- GPF	1136300000	
	<b><u>CPF</u></b>	-			-- CPF	633700000	1770000000
701457091	Opening Balance	630616105		101174110	Interest Accrued as on 31.03.2018		155787703
48172679	Add: Subscriptions & Contribution repayment of advance in the year	41381377			Bank Balances with SBI Bank in Saving Accounts :-		
45997571	Add: Interest Credited	42060633					
(165011195)	Less: Advance/Withdrawal/Final settlement	(99174494)		31589169	--GPF A/c No.10851298435	62286851	
(41)	Less: Adjustment related to Previous Year	(105)		69136762	--CPF A/c No.10851298457	86188226	148475077
630616105	Closing Balance		614883516				
	<b><u>Interest Reserve</u></b>	-					
284648814	Opening Balance	330002324					
45353510	Add: Excess of Income over Expenditure	38316726					
330002324	Closing Balance		368319050				
<b>4451590041</b>	<b>TOTAL</b>		<b>4701252780</b>	<b>4451590041</b>			<b>4701252780</b>

**PROVIDENT FUND ACCOUNT**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2018**

					(Amount / Rs.)
Previous Year 31.03.17	Expenditure	Current Year 31.03.18	Previous Year 31.03.17	Income	Current Year 31.03.18
	<b>Interest Credited to:</b>		481795537	Interest earned on Investment & SB A/c	294099093
261196202	GPF Account	268576530	101174110	Add: Interest accrued during the year 2017-18	122884777
45997571	CPF Account	42060633	74	Add: Adjustment related to previous year (GPF A/c 245426 + CPF A/c 105)	245531
6346	Bank Charges	4328	(230416092)	Less Interest accrued for the year 2016-17, but realized during the year 2017-18	(68271184)
	(GPF A/c 3986 + CPF A/c 342)				
45353510	Excess of Income over Expenditure	38316726			
<b>352553629</b>	<b>Total</b>	<b>348958217</b>	<b>352553629</b>	<b>Total</b>	<b>348958217</b>

## PROVIDENT FUND ACCOUNT

### RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2017-18

Receipts	(Amount / Rs.)	Payments	(Amount / Rs.)
Opening Balance as on 01/04/17			
GPF A/c No.10851298435	31589169	GPF Adv./Withdrawal/Final Settlement	522501493
CPF A/c No.10851298457	69136762	CPF Adv./Withdrawal/Final Settlement	99174494
GPF Subscription	481248991	Investment during the year (GPF 815100000 + CPF 470200000)	1285300000
CPF Subscription & University Contribution	41381377	Bank Charges (GPF A/c 3986 + CPF A/c 342)	4328
		Closing Balances:	
Investment Encashed (GPF 727600000 + CPF 410400000)	1138000000	GPF A/c No.10851298435	62286851
Interest Received (GPF 159454170 + CPF 134644923)	294099093	CPF A/c No.10851298457	86188226
<b>TOTAL</b>	<b>2055455392</b>	<b>TOTAL</b>	<b>2055455392</b>

## NPS TIER-I ACCOUNT

### BALANCE SHEET AS AT 31st MARCH 2018

						(Amount / Rs.)
Amount 31.03.17	Liabilities		Amount 31.03.18	Amount 31.03.17	Assets	Amount 31.03.18
	<b><u>NPS Tier-I Account :-</u></b>					
373791	Opening Balance	365981		2617000	Investment	2807000
88485500	Add: Sub + Uni. Contribution	93973576		56609	Interest accrued but not realized	57408
	Add: Excess Receipts (Remittance)	73612		83039	Balance at Bank Saving A/cs	421217
(88493310)	Less: Amount transferred to NSDL	- <u>(93813384)</u>	599785			
	<b><u>Interest Reserve :-</u></b>	-				
2134012	Opening Balance	2390667				
256655	Add: Excess of Income over Exp.	<u>295173</u>	2685840			
<b>2756648</b>	<b>TOTAL</b>		<b>3285625</b>	<b>2756648</b>	<b>TOTAL</b>	<b>3285625</b>

## INCOME & EXPENDITURE ACCOUNT FOR THE FINANCIAL YEAR 2017-18

(Amount /  
Rs.)

Amount 31.03.17	Expenditure	Amount 31.03.18	Amount 31.03.17	Income	Amount 31.03.18
1166	Bank Charges	767	275045	Interest received on investment (F.D. & Flexi A/c)	295141
256655	Excess of Income over Expenditure	295173		Interest accrued for the year 2016-17 but realized during 2017-18	(56609)
			(73833)		
			56609	Interest accrued but not realized	57408
<b>257821</b>	<b>TOTAL</b>	<b>295940</b>	<b>257821</b>	<b>TOTAL</b>	<b>295940</b>

## NPS TIER-I ACCOUNT

### RECEIPTS AND PAYMENTS ACCOUNTS FOR THE FINANCIAL YEAR 2017-18

Amount 31.03.17	Receipts	Amount 31.03.18	Amount 31.03.17	Payments	Amount 31.03.18
11970	Opening Balance as on 01/04/2017	83039	2617000	Investment	2807000
	<b><u>NPS Tier-I Account</u></b>				
88485500	Own Subscription & University Contribution	93973576	88493310	Withdrawal/Refund to NSDL	93813384
	Excess Receipts (Remittance)	73612	1166	Bank Charges	767
232565	Interest Received on investment (NPS)	270552			
42480	Interest on Saving Bank A/c	24589			
2422000	Investment Encashed (F.D.)	2617000	83039	Closing balance as on 31.03.2018	421217
<b>91194515</b>	<b>TOTAL</b>	<b>97042368</b>	<b>91194515</b>	<b>TOTAL</b>	<b>97042368</b>

**UNIVERSITY PRESS**

**BALANCE SHEET AS AT 31st MARCH 2018**

<b>FUNDS &amp; LIABILITIES</b>	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
	<b>Rupees</b>	<b>Rupees</b>
<b>1. <u>Capital</u></b>	8,706,160.00	6,315,552.00
<b>2. <u>Current Liabilities</u></b>		
(a) Deduction from Salary Bills	1,199,974.00	1,159,813.00
(b) Bills Payable	2,942,246.00	992,400.00
<b>3. <u>Loan &amp; Advance:</u></b>		
(a) Advance for work to be done	130,000.00	130,000.00
(b) Inter Bank Transfer	17,395,492.00	17,395,492.00
(c) Other Liabilities	10,050.00	10,000.00
(d) Earnest Money	53,500.00	50,500.00
<b>TOTAL</b>	<b>30,437,422.00</b>	<b>26,053,757.00</b>
<b>ASSETS</b>	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
	<b>Rupees</b>	<b>Rupees</b>
1. Machinery, Furniture & Equipments	203,977.00	258,223.00
2. Amount Receivable	22,433,386.00	20,234,958.00
3. <u>Stock in Hand</u>		
(a) Raw Material	1,383,462.00	614,900.00
(b) Finished Goods	45,978.00	20,640.00
4. Work in Progress	4,817,430.00	1,153,000.00
5. Cash in Bank	1,537,189.00	3,770,136.00
6. Festival Advance	-	900.00
7. Permanent Assets	1,000.00	1,000.00
8. Advance Contingency	15,000.00	-
<b>TOTAL</b>	<b>30,437,422.00</b>	<b>26,053,757.00</b>



## UNIVERSITY PRESS

### PROFIT & LOSS ACCOUNT FOR THE YEAR 2017-2018

Particulars	Current Year	Previous Year	Particulars	Current Year	Previous Year
1. <u>To Opening Stock:</u>			1. <u>Income:</u>		
(a) Raw Materials	614,900.00	1,128,533.00	(a) Income from Printing and Binding	14,301,450.00	19,030,047.00
(b) Finished Goods	20,640.00	49,850.00			
2. <u>To work in Progress</u>	1,153,000.00	365,000.00	2. <u>By Closing Stock:</u>		
3. <u>To Pay and Allowances:</u>	6,598,380.00	6,650,455.00	(a) Raw Materials	1,383,462.00	614,900.00
(a) L.T.C.	40,363.00	8,395.00	(b) Finished Goods	45,978.00	20,640.00
(b) Tuition Fees	27,000.00	18,000.00			
(c) Bonus	-	126,071.00			
(d) Medical Re-imbursement	762,664.00	352,674.00			
4. <u>To Purchase of Raw Materials</u>	4,803,385.00	1,870,816.00	3. <u>By Work in Progress</u>	4,817,430.00	1,153,000.00
5. <u>To Misc. Contingent Exp.</u>	37,758.00	35,739.00			
6. <u>To Rate, Rent and Taxes</u>	9,425.00	6,379.00			
7. <u>To Work Don Through Outside Agency</u>	4,035,951.00	7,817,708.00			
8. <u>Depreciation:</u>					
(a) Machinery, Furniture & Equipment	54,246.00	69,918.00			
9. <u>Profit</u>	2,390,608.00	2,319,049.00			
<b>TOTAL</b>	<b>20,548,320.00</b>	<b>20,818,587.00</b>	<b>TOTAL</b>	<b>20,548,320.00</b>	<b>20,818,587.00</b>

DELHI UNIVERSITY PRESS A/C NO. 10851295354						
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2018						
						<i>Amount in ₹</i>
Receipts	Current Year	Previous Year		Payments	Current Year	Previous Year
<b>I <u>Opening Balance</u></b>				<b>I <u>Expenses</u></b>		
Bank Balance	3770136	482316		Establishment Expenses	7428407	7160095
Deposit in Bank	----	----				
<b>II <u>Reciepts from Printing &amp; Binding work</u></b>	12103022	19640437		<b>II <u>Other Administrative Expenses</u></b>		
				Expenditure	6951623	9339064
<b>III <u>Deductions\Recoveries</u></b>	3516406	3280333				
				Festival Advance	5400	4500
Festival Advance	6300	9900				
				Remittance	3476245	3139191
Earnest Money	3000	----				
				<b>III <u>Closing Balance</u></b>		
				Bank Balance	1537189	3770136
<b>Total</b>	<b>19398864</b>	<b>23412986</b>			<b>19398864</b>	<b>23412986</b>

**HALLS AND HOSTELS**  
**BALANCE SHEET AS AT 31st MARCH, 2018**

Amount in ₹		
<b>SOURCE OF FUNDS</b>	<b>Current Year</b>	<b>Previous Year</b>
<b>COURPUS/CAPITAL FUND</b>	281063732	249102659
<b>DESIGNATED/EARMARKED/ENDOWMENT FUNDS</b>	46210352	43449599
<b>CURRENT LIABILITIES &amp; PROVISIONS</b>	16895694	14545250
<b>TOTAL</b>	<b>344169778</b>	<b>307097508</b>
<b>APPLICATION OF FUNDS</b>		
<b>Fixed Assets</b>		
Tangible Assets	20615957	24164990
Intangible Assets	9331	9712
Capital Works-In-Progress	0	0
<b>INVESTMENT FROM EARMARKED/ENDOWMENT FUNDS</b>		
Long Term	0	0
Short Term	11928551	20350202
<b>INVESTMENTS- OTHERS</b>	57443772	51727957
<b>CURRENT ASSETS</b>	239296149	202350708
<b>LOANS, ADVANCES &amp; DEPOSITS</b>	14930242	8548162
<b>MISCELLANEOUS EXPENDITURE</b>	(54224)	(54224)
<b>TOTAL</b>	<b>344169778</b>	<b>307097508</b>

**HALLS AND HOSTELS**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2018**

Amount in ₹

<b>Particulars</b>	<b>Current Year</b>	<b>Previous Year</b>
<b>(A) INCOME</b>		
Academic Receipts	55866961	47315301
Grants/Subsidies	126457557	109185694
Income From Investment	15297355	13501338
Interest Earned	1709805	2154183
Other Income	49624023	44086020
Prior Period Income	0	0
<b>Total (A)</b>	<b>248955701</b>	<b>216242536</b>
<b>(B) EXPENDITURE</b>		
Staff Payments & Benefits (Establishment Expenses)	137592475	118037989
Academic Expenses	0	2549808
Administrative and General Expenses	65838607	52495450
Transportation Expenses	580876	544399
Repair & Maintenance	8137143	8449823
Finance Costs	147136	49394
Depreciation	6362887	7456821
Other Expenses	0	0
Prior Period Expenses	0	0
<b>Total (B)</b>	<b>218659124</b>	<b>189583684</b>
<b>Excess of Income over Expenditure/ (Expenditure over Income) (A-B)</b>	<b>30296577</b>	<b>26658852</b>
<b>Balance being Surplus/(Deficit) carried to Capital Fund</b>	<b>30296577</b>	<b>26658852</b>

**HALLS AND HOSTELS**  
**RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH 2018**

						Amount in ₹
Receipt	Current Year	Previous Year	Payment	Current Year	Previous year	
<b>I. Opening Balance</b>			<b>I. Expenses</b>			
- Cash in Hand	143310	46552	(a) Establishment Expenses	137473819	119219229	
- Bank Balance	92897226	86082587	(b) Academic Expenses	3986207	4224063	
- Imprest	10240104	113578	(c) Administrative Expenses	66146409	55330079	
- Deposit Account	144407997	127309841	(d) Transportation Expenses	607266	544399	
			(e) Repairs & Maintenance Expenses	7774884	8160561	
II. Other Bank Balances	0	200014	II. (a) Payments against Earmarked Fund	14204725	12837792	
III. Grants Received	126258771	110110684	(b) Payment against Projects	81213	531654	
IV. Academic Receipts	48747364	43322539	III. Investments and Deposits made	7705401	5324639	
V. Receipts against Earmarked/Endowment Funds	20653594	17978641	IV. Expenditure on Fixed Assets & Capital work-in-Progress	2909339	3189677	
VI. Interest Received	2409349	7299896	V. Finance Charges	61587	45287	
VII. Income from Investments	18888258	13275330	VI. Deposits and Advances	8359184	7726193	
VIII. Other Income	51530453	45079149	VII. Other Payments	3240562	3683561	
IX. Deposits and Advances	2391290	2555877	<b>VIII. Closing Balances</b>			
X. Any Other Receipts	14061497	15131083	- Cash in Hand	163129	143310	
			- Bank Balance	63404134	92897226	
			- Imprest	336061	10240104	
			- Deposit Account	216175292	144407997	
<b>Total</b>	<b>532629213</b>	<b>468505771</b>	<b>Total</b>	<b>532629213</b>	<b>468505771</b>	

# 95<sup>th</sup>

## ANNUAL REPORT

### 2017-2018

### PART-II

(Information and Data)



University of Delhi

Delhi



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**INFORMATION**



# MEMBERS OF STATUTORY BODIES OF THE UNIVERSITY

## THE COURT

### Statute 2(1)(i): Chancellor

Hon'ble Mohd. Hamid Ansari	up to 10.08.2017
Hon'ble Muppavarapu Venkaiah Naidu	w.e.f. 11.08.2017

### Statute 2(1)(ii): Pro-Chancellor

Justice Jagdish Singh Khehar	up to 27.08.2017
Justice Dipak Mishra	w.e.f. 28.08.2017

### Statute 2(1)(iii): Vice-Chancellor

Prof. Yogesh Kumar Tyagi

### Statute 2(1)(iv): Pro-Vice-Chancellor

Prof. J.P. Khurana (Officiating)

### Statute 2(1)(v): Dean of Colleges

Prof. Devesh Kumar Sinha	up to 08.02.2018
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### Statute 2(1)(vi): Director of South Delhi Campus

Prof. J.P. Khurana

### Statute 2(1)(vii): Treasurer

Shri T.S. Kripanidhi

### Statute 2(1)(viii): Ex-Vice-Chancellor

Prof. Upendra Baxi  
Prof. Vrajendra Raj Mehta  
Prof. Deepak Nayyar  
Prof. Deepak Pental  
Prof. Dinesh Singh

### Statute 2(1)(ix): Librarian

Dr. D.V. Singh

### Statute 2(1)(x): Proctor

Prof. Neeta Sehgal (Officiating)

## Statute 2(1)(xi): Dean, Students' Welfare

Prof. Rajesh Tondon

w.e.f. 17.05.2017

## Statute 2(1)(xii): Heads of the Departments

Prof. Wali Akhtar	Arabic	up to 15.08.2017
Prof. Mohd. Nauman Khan	Arabic	w.e.f. 16.08.2017
Prof. K.T.S. Sarao	Buddhist Studies	w.e.f. 01.03.2017
Prof. Shaswati Mazumdar	Germanic & Romance Studies	w.e.f. 09.04.2017
Prof. Christel Rashmi Devadawson	English	w.e.f. 21.11.2015
Prof. H. S. Prasad	Philosophy	w.e.f. 01.08.2014
Prof. Mohan	Hindi	w.e.f. 13.09.2016
The Dean, Faculty of Arts	Lib. & Infn. Science	w.e.f. 06.01.2017
Prof. R.C. Sharma	Linguistics	up to 25.03.2017
Prof. Tista Bagchi	Linguistics	up to 07.06.2017
Prof. R.C. Sharma	Linguistics	up to 30.09.2017
Prof. Tista Bagchi	Linguistics	w.e.f. 01.10.2017
Dr. G. Rajagopal	MIL & LS	w.e.f. 18.03.2017
Prof. Aleem Ashraf Khan	Persian	w.e.f. 14.05.2016
Prof. Nandita Babu	Psychology	up to 22.12.2017
Prof. S.P.K. Jena	Psychology	w.e.f. 23.12.2017
Prof. Rawail Singh	Punjabi	up to 11.02.2018
Dr. Jaspal Kaur	Punjabi	w.e.f. 12.02.2018
Prof. Sharda Sharma	Sanskrit	w.e.f. 06.07.2016
Prof. N.M. Kamal	Urdu	
Dr. Neelakshi Suryanarayan	Slavonic & Finno Ugrian Studies	w.e.f. 30.01.2017
Prof. Vijay Kumar Kaul	Business Economics	w.e.f. 27.01.2017
Dr. Uma Shankar Sharma	Ayurvedic Medicine	w.e.f. 27.12.2016
Dr. Mohd. Idris Khan	Unani Medicine	w.e.f. 20.05.2015
Dr. Kavita Sharma	Commerce	w.e.f. 01.01.2016
Prof. Muneesh Kumar	Financial Studies	up to 11.02.2018
Prof. Sanjay Sehgal	Financial Studies	w.e.f. 12.02.2018
Prof. (Ms.) N. Ranganathan	Education	w.e.f. 21.09.2016
Prof. Debi P. Sarkar	Bio-Chemistry	up to 11.10.2017
Prof. Suman Kundu	Bio-Chemistry	w.e.f. 12.10.2017
Prof. Shubhendu Ghosh	Bio-Physics	w.e.f. 11.05.2017
Prof. Paramjit Khurana	Plant Molecular Biology	w.e.f. 26.09.2016
Prof. Avinashi Kapoor	Electronic Science	w.e.f. 25.02.2017
Prof. Pradeep Kumar Burma	Genetics	w.e.f. 08.09.2015
Prof. (Ms.) Rani Gupta	Microbiology	w.e.f. 01.07.2016
Dr. Sandeep Tiwari	Physical Education & Sports Sc.	
Prof. (Ms.) Ved Kumari	Law	w.e.f. 02.09.2016
Prof. M.L. Singla	Business Management & Indus. Admin.	up to 26.05.2017
Prof. Sunita Singh Sengupta	Business Management & Indus. Admin.	w.e.f. 27.05.2017
Prof. Vasudha Bhatnagar	Computer Science	w.e.f. 25.10.2016
Prof. V. Ravichandran	Mathematics	up to 12.04.2018
Prof. C.S. Lalitha	Mathematics	w.e.f. 13.04.2018

Prof. Prakash Chandra Jha	Operational Research	w.e.f. 11.04.2016
Prof. Poonam Singh	Statistics	w.e.f. 21.08.2016
Prof. Suneera Kasliwal	Music	w.e.f. 01.02.2016
Prof. Sudha Prasad	Obstet & Gyn.	w.e.f. 03.09.2015
Prof. Anita Tuli	Anatomy (LHMC)	up to 13.06.2017
Prof. Shashi Raheja	Anatomy (LHMC)	w.e.f. 14.06.2017
Prof. Jaspal Singh Dali	Anesthesiology & Critical Care (MAMC)	upto 10.02.2018
Prof. Usha Saha	Anesthesiology & Critical Care (LHMC)	w.e.f. 11.02.2018
Prof. A. K. Sharma	Community Medicine (LHMC)	w.e.f. 07.06.2016
Prof. Ram Chander	Dermatology & Venereology (UCMS)	w.e.f. 19.06.2016
Prof. Harpreet Grewal	Dental Sciences (UCMS)	up to 05.10.2017
Prof. K.K. Banerjee	Forensis Medicine (UCMS)	w.e.f. 22.02.2017
Prof. S.K. Sharma	Medicine (UCMS)	w.e.f. 25.04.2017
Prof. C.P. Baveja	Medical Microbiology (MAMC)	w.e.f. 18.05.2016
Prof. Dinesh Puri	Medical Bio-Chemistry (UCMS)	w.e.f. 18.07.2015
Prof. V.P. Gupta	Ophthalmology (UCMS)	up to 29.12.2017
Prof. Mukesh Kr. Kalra	Orthopaedics (MAMC)	w.e.f. 03.02.2016
Prof. Arun Goyal	Otolaryngology (UCMS)	w.e.f. 24.04.2015
Prof. Sangita Yadav	Paediatrics (MAMC)	w.e.f. 14.10.2015
Prof. Satendra Sharma	Pathology (UCMS)	w.e.f. 24.04.2015
Prof. Arunabha Rey	Pharmacology (VPCI)	up to 13.10.2017
Prof. Neelam Vaney	Physiology (UCMS)	w.e.f. 20.12.2017
Prof. M.S. Bhatia	Psychiatry (UCMC)	up to 30.06.2017
Prof. Raj Kumar	Pulmonary Medicine (VPCI)	w.e.f. 30.12.2016
Prof. Rama Anand	Radiology, Radiotherapy	
	Radiodiagnosis & Radiation	w.e.f. 14.10.2015
	Medicine (LHMC)	
Prof. O.P. Pathania	Surgery (LHMC)	w.e.f. 04.08.2017
The Dean, Fac. of Music & Fine Art	The Head Deptt. of Fine Arts	
Prof. A.K. Kapoor	Anthropology	w.e.f. 19.01.2017
Prof. Gurmeet Singh	Chemistry	up to 09.08.2017
Prof. Ramesh Chandra	Chemistry	w.e.f. 10.08.2017
Prof. Devesh Kumar Sinha	Geology	up to 27.09.2016
Prof. G.V.R. Prasad	Geology	w.e.f. 28.09.2016
Prof. M.K. Pandit	Environmental Studies	w.e.f. 08.05.2015
Prof. Ved Pal Singh	Botany	up to 15.06.2017
Prof. K.S. Rao	Botany	w.e.f. 16.06.2017
Dr. (Ms.) Anupa Siddhu	Home Science	w.e.f. 05.11.2014
The Dean, Faculty of Science	Nursing	
Vacant	Pharmacy	
Prof. Sanjay Jain	Physics & Astrophysics	w.e.f. 16.11.2016
Prof. M.M. Chaturvedi	Zoology	w.e.f. 02.01.2017
Prof. J.P. Dubey	Adult Continuing Edu. & Extn.	up to 13.03.2018
Prof. V.K. Dixit	Adult Continuing Edu. & Extn.	w.e.f. 14.03.2018
Prof. Suresh Kumar	African Studies	
Prof. Sreemati Chakrabarti	East Asian Studies	up to 04.04.2017
Prof. Anita Sharma	East Asian Studies	up to 13.02.2017

Prof. Unita Sachidanand	East Asian Studies	w.e.f. 14.02.2018
Prof. Aditya Bhattacharjea	Economics	up to 19.02.2018
Prof. T.C.A. Anant	Economics	w.e.f. 20.02.2018
Prof. S.C. Rai	Geography	w.e.f. 15.02.2016
Prof. Upinder Singh	History	up to 07.08.2017
Prof. Sunil Kumar	History	w.e.f. 08.08.2017
Prof. Navnita Chadha Behera	Political Science	w.e.f. 01.10.2015
Prof. Manoj Kumar Jha	Social Work	up to 03.04.2017
Prof. Neera Agnimitra	Social Work	w.e.f. 04.04.2017
Prof. Abhijit Shankar Dasgupta	Sociology	up to 31.01.2017
Prof. Roma Chatterji	Sociology	w.e.f. 01.02.2017
Vacant	HOD Architecture & Planning, DTU, Bawana Rd.	
Vacant	HOD Applied Sciences & Humanities, DTU, Bawana Rd.	
Vacant	HOD Computer Engineering, DTU, Bawana Road	
Vacant	HOD Civil Engineering, DTU, Bawana Rd. Delhi-42	
Vacant	HOD Electrical Engg.,DTU, Bawana Rd., Delhi-42.	
Dr. Manisha Gupta	HOD Electronics & Communication Engg., NSIT	up to 28.07.2017
Dr. Harish Parthasarthy	HOD Electronics & Communication Engg., NSIT	w.e.f. 29.07.2017
Vacant	HOD Instrumentation & Control Engg., NSIT	
Prof. Sachin Maheshwari	HOD Mechanical Engineering, DTU, Bawana Rd.	w.e.f. 27.09.2017
Vacant	HOD Electrical Engg., DTU, Bawana Rd. Delhi.	
Vacant	HOD Production & Industrial Engg., DTU, Bawana, Delhi-42.	
Prof. H.C. Pokhriyal	HOD Distance & Continuing Edn.	

#### Statute 2(1)(xiii): Principals of Colleges

Dr. Savithri Singh	Acharya Narendra Dev College
Dr. Mamta Sharma	Aditi Mahavidyalaya
Dr. Gyantosh Kumar Jha	A.R.S.D. College
Mr. Sanjay Gihar	Ayurvedic & Unani Tibbia College
Dr. Raju K. Parashar	Amar Jyoti Rehabilitation & Res. Centre
Dr. Ellen Beck	Ahilya Bai College of Nursing
Dr. (Ms.) Purbi Saikiya	Bhagini Nivedita College for Women
Dr. Mukti Sanyal	Bharati College
Dr. Balaram Pani	Bhaskaryacharya College of Applied Sciences
Dr. G.K. Arora	Bhim Rao Ambedkar College

Dr. Inder Jeet Dagar	College of Vocational Studies
Dr. Anup Mohta	Chacha Nehru Bal Chikitsalaya
Dr. Suresh Kumar Garg	Deen Dayal Upadhyaya College
Dr. Rajeev Chopra	Delhi College of Arts & Commerce
Dr. Ajay K. Arora	Deshbhandhu College
Dr. Inderjeet Singh Bakshi	Dyal Singh College
Dr. Pawan Kumar Sharma	Dyal Singh College (Eve.)
Dr. Savita Roy	Daulat Ram College
Dr. Swati Sanyal	Durgabai Deshmukh College
Dr. Promila Kumar	Gargi College
Dr. Rama Sharma	Hans Raj College
Dr. (Ms.) Anju Srivastava	Hindu College
Dr. Dhananjay Shaw	Indira Gandhi Institute of Physical Education & Sports Sciences
Dr. Babli Moitra Saraf	Indraprastha College for Women
Dr. Geeta Trilok Kumar	Institute of Home Economics
Dr. (Ms.) Swati Pal	Janki Devi Memorial College
Dr. Vibha Singh Chauhan	Kirori Mal College
Dr. Madhu Pruthi	Keshav Mahavidyalaya
Dr. (Ms.) Anula Maurya	Kalindi College
Dr. Kalpana Bhakuni	Kamala Nehru College for Women
Dr. Rajiv Garg	Lady Hardinge Medical College
Dr. (Ms.) Anupa Sidhu	Lady Irwin College
Dr. Suman Sharma	Lady Shri Ram College for Women
Dr. (Ms.) Pratyush Vatsala Tripathi	Lakshmibai College
Dr. (Mrs.) Kanwarjeet Kaur, Offg.	Mata Sundri College for Women
Dr. Haritama Chopra	Maitreyi College
Dr. S. Ramji	Maulana Azad Medical College
Dr. (Ms.) Pratibha Jolly	Miranda House
Dr. J. P. Mishra	Moti Lal Nehru College
Prof. Vichitra Gupta	Moti Lal Nehru College (Eve.)
Dr. Parmesh Kumar Sharma, Offtg.	Maharishi Valmiki College of Education
Dr. Sunil Sondhi	Maharaja Agrasen College
Prof. (Dr.) Mahesh Verma	Maulana Azad Institute of Dental Sciences
Prof. J. P. Saini	Netaji Subhash Institute of Technology
Prof. Sanjeev Rai	Nehru Homeopathic Medical College
Dr. Mukesh Kumar Agarwal	P.G.D.A.V. College
Dr. Ravinder Kumar Gupta	P.G.D.A.V. College (Eve.)
Dr. Samita Jayavant	Pt. Deen Dyal Upadhyay Physically Handicapped
Dr. Rajesh Giri	Rajdhani College
Dr. (Mrs.) Harindar Jeet Goyal	Raj Kumari Amrit Kaur College of Nursing
Dr. Rakesh Kumar Gupta	Ram Lal Anand College
Dr. Manoj Sinha	Aryabhatta College (RMLE)
Dr. Manoj Kumar Khanna	Ramjas College
Dr. S.P. Aggarwal	Ramanujan College
Dr. Manjula Dass	Satyawati College
Dr. Vijay Shankar Mishra	Satyawati College (Eve.)
Dr. P.K. Khurana	Shaheed Bhagat Singh College



Dr. P.K. Khurana	Shaheed Bhagat Singh College (Eve.)
Dr. Jatinder Bir Singh	Sri Guru Gobind Singh College of Commerce
Dr. Jaswinder Singh	Sri Guru Tegh Bahadur Khalsa College
Dr. Man Mohan Kaur	Sri Guru Nanak Dev Khalsa College
Dr. Shashi Nijhawan	Shivaji College
Dr. Payal Mago	Shaheed Rajguru College of Applied Sciences for Women
Prof. Simrit Kaur	Shri Ram College of Commerce
Dr. Sadhna Sharma	Shyama Prasad Mukherji College for Women
Dr. Rabi Narayan Kar	Shyam Lal College
Dr. Parvin Kumar	Shyam Lal College (Eve.)
Dr. Vipin Kumar	Sri Aurobindo College
Dr. Namita Rajput	Sri Aurobindo College (Eve.)
Dr. (Ms.) P. Hemalatha Reddy	Sri Venkateswara College
Dr. John Varghese	St. Stephen's College
Dr. Poonam Verma	Shaheed Sukhdev College of Business Studies
Dr. P. V. Khatri	Swami Shraddhanand College
Prof. H. C. Pokhriyal, Exe. Dir.	School of Open Learning
Prof. V.P. Gupta	University College of Medical Sciences
Prof. Raj Kumar	Vallabhbhai Patel Chest Institute
Dr. Hina Nandrajog	Vivekanand College
Dr. Sulekh Chandra	Zakir Husain Delhi College
Dr. Masroor Ahmed Beg	Zakir Husain College (Eve.)
Prof. Daman Saluja	Director, Dr. B.R. Ambedkar Centre for Bio Medical Research

#### Statute 2(1)(xiv)(a): Professors other than Heads of the Departments

Prof. A. G. Vedeshwar	Physics and Astrophysics
Prof. A. S. Yaruigam	African Studies
Prof. A. Venkat Raman	Business Management & Industrial Administration
Prof. Abhijit Banerji	Economics
Prof. Abhijit Shankar Dasgupta	Sociology
Prof. Aditya Bhattacharjea	Economics
Prof. Abhijit Shankar Dasgupta	Sociology
Prof. Aditya Bhattacharjea	Economics
Prof. Ajay Kumar	Mathematics
Prof. Ajit Chaturvedi	Statistics
Prof. Akhilesh Kumar Verma	Chemistry
Prof. Akhilesh Kumar Tyagi	Plant Molecular Biology
Prof. Akshay Kumar Pradhan	Genetics
Prof. Alka Nagpal	Music
Prof. Alo Nag	Biochemistry
Prof. Alok C. Bharti	Zoology
Prof. Amar Farooqui	History
Prof. Amarjeet Kaur	Physics & Astrophysics
Prof. Amit Kumar Bardhan	Business Management & Industrial Management
Prof. Amita Chandra	Physics & Astrophysics
Prof. Anand Prakash	Psychology
Prof. Anil Grover	Plant Molecular Biology

Prof. Anil Kumar Aneja	English
Prof. Anil Kumar Rai	Hindi
Prof. Anita Rampal	Education
Prof. Anjan Dutta	Physics & Astrophysics
Prof. Anju Srivastava	Zoology
Prof. Anu Gupta Agarwal	Operational Research
Prof. Anu Kapur	Geography
Prof. Anupam Chattopadhyay	Geology
Prof. Anupam Mahajan	Music
Prof. Apoorvanand Jha	Hindi
Prof. Arun Jagannath	Botany
Prof. Arun Kumar Sharma	Plant Molecular Biology
Prof. Ashok K Prasad	Chemistry
Prof. Ashok Kr. Acharya	Political Science
Prof. Ashwani Deshpande	Economics
Prof. Avinash Khare	Physics & Astrophysics
Prof. B. K. Thelma	Genetics
Prof. Balaganapathi Devarakonda	Philosophy
Prof. Bibudhananda Biswal	Cluster Innovation Centre
Prof. Binay Kumar	Physics & Astrophysics
Prof. Brajesh Chandra Choudhary	Physics & Astrophysics
Prof. C. P. Gupta	Financial Studies
Prof. C. S. Lalitha	Mathematics
Prof. Chandan Kumar	Hindi
Prof. Chander Shekhar	Persian
Prof. Chandra K. Jaggi	Operational Research
Prof. Chandra Shekhar Dubey	Geology
Prof. Debadyuti Das	Business Management & Industrial Administration
Prof. Debajyoti Choudhury	Physics and Astrophysics
Prof. Dileep Kumar Singh	Zoology
Prof. Deepti Omchery Bhalla	Music
Prof. Devesh Kumar Sinha	Geology
Prof. Diwan S. Rawat	Chemistry
Prof. E. K. Sharma	Electronic Science
Prof. Farhat Hasan	History
Prof. Gautam Kumar Kshatriya	Anthropology
Prof. Girdhan K. Pandey	Plant Molecular Biology
Prof. Gopeshwar Singh	Hindi
Prof. Gurprit Grover	Statistics
Prof. Harinder Pal Singh	Physics and Astrophysics
Prof. Harsh Vardhan Verma	Business Management & Industrial Administration
Prof. Hira Paul Gangnegi	Buddhist Studies
Prof. Inderjit Singh	Environmental Studies
Prof. Indranil Dasgupta	Plant Molecular Biology
Prof. J. P. Srivastava	Geology
Prof. J. P. Dubey	Adult Continuing Education & Extension
Prof. J. S. Virdi	Microbiology

Prof. J. V. Meenakshi	Economics
Prof. Jaya S. Tyagi	History
Prof. Jitendra Mohan Khurana	Chemistry
Prof. Kanchana C. V. Natarajan	Philosophy
Prof. Kavita Singh	Business Management & Industrial Administration
Prof. Kirti Ranjan	Physics and Astrophysics
Prof. Kishor Kumar Agarwal	Operational Research
Prof. Krishna Bhanumurthy Natrajan	Dr. B. R. Ambedkar Centre for Bio Medical Research
Prof. Kumud Sharma	Hindi
Prof. Kusum Lata	Hindi
Prof. Kusum Aggarwal	Germanic and Romance Studies
Prof. M. L. Singla	Business Management & Industrial Administration
Prof. M. P. Sachdeva	Anthropology
Prof. M. Venkat Rajam	Genetics
Prof. Madan Lal	Commerce
Prof. Madhu Vij	Business Management & Industrial Administration
Prof. Madhulika Banerjee	Political Science
Prof. Mahendra Nath	Chemistry
Prof. Mala Sinha	Business Management & Industrial Administration
Prof. Mallikarjun Shakarad	Zoology
Prof. Manoj Kumar Jha	Social Work
Prof. Manu Agarwal	Botany
Prof. Marilyn Daisy Milton	Chemistry
Prof. Mazaahir Kidwai	Chemistry
Prof. Meenakshi Thapan	Sociology
Prof. Meganathan Thirumal	Chemistry
Prof. Mini Sawhney	Germanic & Romance Studies
Prof. Monica Singhania	Business Management & Industrial Administration
Prof. Mridula Gupta	Electronic Science
Prof. Muneesh Kumar	Financial Studies
Prof. N. Sukumar	Political Science
Prof. Namita Agarwal	Zoology
Prof. Nandini Sundar	Sociology
Prof. Nandita Babu	Psychology
Prof. Naresh Chandra Pant	Geology
Prof. Naveen Kumar	Computer Science
Prof. Neelima Gupta	Computer Science
Prof. Niranjan Kumar	Hindi
Prof. Nivedita Deo	Physics & Astrophysics
Prof. Ojesh Pratap Singh	Music
Prof. P. Pardha Saradhi	Environmental Studies
Prof. P. B. Kanna Kumar	Music
Prof. P. C. Joshi	Anthropology
Prof. P. C. Pattanaik	Modern Indian Languages and Literary Studies
Prof. P. C. Tandon	Hindi
Prof. P. D. Sahare	Physics and Astrophysics
Prof. Pamela Singla	Social Work

Prof. Pami Dua	Economics
Prof. Pankaj Gupta	Operational Research
Prof. Pankaj Sinha	Business Management & Industrial Administration
Prof. Pankaj Srivastava	Geology
Prof. Pankaj Tyagi	Cluster Innovation Centre
Prof. Parbati Biswas	Chemistry
Prof. Partha Pratim Chakraborty	Geology
Prof. Patrick Dasgupta	Physics & Astrophysics
Prof. Perikala Kesava Kumar	Philosophy
Prof. Poonam Batra	Education
Prof. Poonam Silotia	Physics & Astrophysics
Prof. Prakash Narayan	Adult Continuing Education & Extension
Prof. Prateek Chaudhuri	Music
Prof. Preetam Khandelwal	Business Management & Industrial Administration
Prof. Preeti Wanti Srivastava	Operational Research
Prof. Prem Lal Uniyal	Botany
Prof. Punam Bedi	Computer Science
Prof. R. B. Singh	Geography
Prof. R. Geeta	Botany
Prof. Radhey Shyam Sharma	Environmental Studies
Prof. Raj Kumar	English
Prof. Raj S. Dhankar	Business Management & Industrial Administration
Prof. Rajagopal Raman	Zoology
Prof. Rajamani Nagarajan	Chemistry
Prof. Rajeev Verma	Music
Prof. Rajesh	Adult Continuing Education & Extension
Prof. Rajinder Kumar	Persian
Prof. Rajiv Gupta	Chemistry
Prof. Rakesh Kumar Seth	Zoology
Prof. Rakesh Kumar Sharma	Chemistry
Prof. Ram Singh	Economics
Prof. Ramakant	Chemistry
Prof. Ramesh C. Bhardwaj	Sanskrit
Prof. Rashmi Aggarwal	Business Economics
Prof. Rawail Singh	Punjabi
Prof. Prof. Reetesh Kumar Singh	Commerce
Prof. Rekha Saxena	Political Science
Prof. Renu Deswal	Botany
Prof. Rina Chakrabarti	Zoology
Prof. Rita Kakkar	Chemistry
Prof. Rita Singh	Zoology
Prof. Rohini Somanathan	Economics
Prof. Ruchi Das	Mathematics
Prof. Rup Lal	Zoology
Prof. Rupam Kapoor	Botany
Prof. S. C. Bhatla	Botany
Prof. Safir Ahmed Hashmi	Physics & Astrophysics

Prof. Saiyid Zaheer Hussain Jafri	History
Prof. Samit Kumar Mandal	Physics & Astrophysics
Prof. Sangit Kumar Ragi	Political Science
Prof. Sanjai Bhatt	Social Work
Prof. Sanjay Kapoor	Plant Molecular Biology
Prof. Sanjay Kumar Jain	Commerce
Prof. Sanjeev Kumar H. M.	Political Science
Prof. Sathyabhama Das Biju	Environmental Studies
Prof. Satish Deshpande	Sociology
Prof. Satish Kumar Awasthy	Chemistry
Prof. Satyajit Singh	Political Science
Prof. Seema Bawa	History
Prof. Sevi Murugavel	Physics & Astrophysics
Prof. Shailendra Goel	Botany
Prof. Shanta Verma	Political Science
Prof. Sharmila Basu Modak	Zoology
Prof. Shashi Bhushan Babbar	Botany
Prof. Shashi Motilal	Philosophy
Prof. Shelender Kumar Goswami	Music
Prof. Sheoraj Singh	Hindi
Prof. Shibnath Mazumder	Zoology
Prof. Shobha Bagai	Cluster Innovation Centre
Prof. Shobhit Mahajan	Physics & Astrophysics
Prof. Shormishta Panja	English
Prof. Shreekant Gupta	Economics
Prof. Shri Prakash Singh	Political Science
Prof. Shrikant Kukreti	Chemistry
Prof. Shyama Rath	Physics & Astrophysics
Prof. Sitharaman Uma	Chemistry
Prof. Sreenivas Kondapudy	Physics & Astrophysics
Prof. Subho Mazumdar	Chemistry
Prof. Subramaniam Annapoorni	Physics and Astrophysics
Prof. Sudeshna Mazumdar	Botany
Prof. Sudha Singh	Hindi
Prof. Sudhir A. Shah	Economics
Prof. Suman Lakhanpaul	Botany
Prof. Sunil K. Sharma	Chemistry
Prof. Sunil Kanwar	Economics
Prof. Sunil Kumar	Political Science
Prof. Sunil Kumar Muttou	Computer Science
Prof. Sunil Sharma	Business Management & Industrial Administration
Prof. Surender Kumar	Economics
Prof. Sushma Batra	Social Work
Prof. Swati Saha	Microbiology
Prof. T. R. Seshadri	Physics & Astrophysics
Prof. T. V. Manikandan	Music
Prof. Tanuja Agarawala	Business Management & Industrial Administration

Prof. Thirupathi Natesan	Chemistry
Prof. Tribhuvan Prasad	African Studies
Prof. Uday Bhanu Sinha	Economics
Prof. Ujjwal Kr. Singh	Political Science
Prof. Umesh Rai	Zoology
Prof. Upinder Singh	History
Prof. Usha Tandon	Campus Law Centre
Prof. Vani Brahmachari	Dr. B. R. Ambedkar Centre for Bio Medical Research
Prof. Vanita Tripathi	Commerce
Prof. Veena Agarwal	Botany
Prof. Veena Kukreja	Political Science
Prof. Vijay Kumar Chaudhury	Biochemistry
Prof. (Ms.) Vibha Tandon	Chemistry
Prof. Vijay Kumar Shrotryia	Commerce
Prof. Vinay Gupta	Physics and Astrophysics
Prof. Vinod Kumar	Zoology
Prof. Virendra Kumar Vasal	Financial Studies
Prof. Vishnu Bhat	Botany
Prof. Vivek Suneja	Business Management & Industrial Studies
Prof. Wali Akhtar	Arabic
Prof. Yogendra Singh	Zoology

#### Statute 2(1)(xiv)(b): University Teacher Representatives

Prof. P. P. Singh	ENT, UCMS
Prof. A. K. Sethi	Anesthesiology, UCMS
Prof. Sachin Kumar	Medicine, LHMC
Prof. B. K. Jain	Surgery, UCMS

#### Statute 2(1)(xv)(a): Two Associate Professors by rotation according to seniority

Dr. P. Mohan Raju  
Dr. Ali Javed

#### Statute 2(1)(xv)(b): Assistant Professors by rotation according to seniority

Sh. Tila Kumar	Sociology
Ms. Susmita Verma Lakhyani	Education
Dr. K. N. Saraswathy	Anthropology
Dr. Manoj Kumar Singh	Anthropology
Dr. Abu Bakar Abbad	Urdu

#### Statute 2(1)(xvi): Representatives of Alumni Association

Sh. Aman Kumar  
Sh. Hari Shankar Gupta  
Prof. Jai Prakash Sharma  
Dr. J. L. Gupta  
Dr. L.S. Chaudhary

Sh. Nathu Ram Sharma  
Sh. Rajesh B. Mangla  
Dr. Sanjeev Kumar Singhal  
Dr. Swarn Swarup Dubey  
Dr. V. K. Agrawal

Statute 2(1)(xvii): Representative of Certain Professions

Sh. Kishor Kumar Sharma  
Sh. Rajesh Kumar Gogna  
Sh. Sunil Joseph Mathews  
Mr. Naresh Kumar Beniwal  
Mr. Ram Narain Vats  
Mr. Rajpal Singh Pawar  
Mr. Yogender Singh Mathur  
Mr. Anil Kumar Agrawal  
Mr. Brijesh Sharma  
Mr. Som Dutta Sharma

Statute 2(1)(xviii): Representing Industry and Commerce

Mr. Shiv Shankar  
Mr. Ajay Kumar  
Mr. Sandeep Narula  
Mr. Anurag Shokeen  
Mr. Chander Mani Gosain  
Ms. Indira Chandrasekhar

Statute 2(1)(xix): Representative of Legislature

Mr. Ramesh Bidhuri  
Mr. Parvesh Sahib Singh Verma  
Dr. Vinay P. Sahasrabuddhe

Statute 2(1)(xx): Two members elected by the Delhi Legislative Assembly of the  
N.C.T. of Delhi

Mr. Madan Lal  
Mr. Adarsh Shastri

Statute 2(1)(xxi): Representing Municipal Corporation

Sh. Sanjay Goyal

Statute 2(1)(xxii): Nominated Members of Educational Boards

Mr. Vineet Joshi, IAS Chairman (Officiating)  
Central Board of Secondary Education  
2, Community Centre  
Shiksha Kendra, Preet Vihar, Delhi-110092

Sh. Tejpal Singh, Principal  
Rajkiya Pratibha Vikas Vidyalaya  
Sector-10, Dwarka,  
New Delhi-110075

Statute 2(1)(xxiii)(a): Nominated by the Visitor

Prof. A.D.N. Bajpai  
Prof. Ranjana Agarwal  
Prof. Rakesh Mohan Joshi  
Prof. Devdutt Sharma  
Shri Atul Mukhi

Statute 2(1)(xxiii)(b): Persons nominated by Chief Rector

Prof. S. M. Sajid  
A-107, Jamia Enclave,  
Jamia Nagar,  
New Delhi- 110025.

Statute 2(1)(xxiii)(c): Nominated by Chancellor

Prof. Roop Rekha Verma  
Prof. Mrinal Miri

Statute 11-K (2)

Prof. Tarun Kumar Das                      Registrar-Secretary

## **THE EXECUTIVE COUNCIL**

Statute 5(1)(i): Vice-Chancellor

Prof. Yogesh Kumar Tyagi

Statute 5(1)(ii): Pro-Vice-Chancellor

Prof. J.P. Khurana (Officiating)

Statute 5(1)(iii): Dean of Colleges

Prof. Devesh Kumar Sinha                      up to 08.02.2018

Statute 5(1)(iv): Director, South Campus

Prof. J.P. Khurana

Statute 5(1)(v): Director, Campus of Open Learning

Prof. C.S. Dubey (Officiating)

Statute 5(1)(vi): Treasurer

Mr. T.S. Kripanidhi



Statute 5(1)(vii): Proctor

Prof. Neeta Sehgal (Officiating)

Statute 5(1)(viii): Deans of Faculties

Science	Prof. M. K. Pandit	
Social Science	Prof. J.P. Dubey	up to 13.03.2018
	Prof. V. K. Dixit	w.e.f. 14.03.2018
Medical Sciences	Prof. Arunabha Ray	up to 13.10.2017
	Prof. Rachna Gupta	w.e.f. 14.10.2017

Statute 5(1) (ix): Principals

Dr. Inderjeet Singh Bakshi  
Dr. Inderjeet Singh  
Dr. Savitri Singh

Statute 5(1)(x): Representatives of the Court

Sh. Ajay Kumar	up to 23.08.2017
Dr. J. L. Gupta	up to 23.08.2017
Mr. Anurag Shokeen	up to 23.08.2017

Statute 5(1)(xi): University Teacher's Representatives

Dr. Rajesh Kumar Jha  
Dr. A.K. Bhagi

Statute 5(1)(xii): Visitor's Nominee

Sh. Ram Bahadur Rai	
Prof. Bibek Debroy	up to 04.12.2017

Statute 5(1)(xiii): Chancellor's Nominee

Sh. Rahul Khullar, IAS (Retd.)	w.e.f. 19.01.2017
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Statute 11-K (2)

Prof. Tarun Kumar Das	Registrar-Secretary
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## THE ACADEMIC COUNCIL

Statute 7(1)(i): Vice-Chancellor

Prof. Yogesh Kumar Tyagi

Statute 7(1)(ii): Pro-Vice-Chancellor

Prof. J.P. Khurana (Officiating)

Statute 7(1)(iii): Dean of Colleges

Prof. Devesh Kumar Sinha	up to 08.02.2018
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Statute 7(1)(iv): Director, South Campus

Prof. J.P. Khurana

Statute 7(1)(v): Director, Campus of Open Learning

Prof. C.S. Dubey (Offg.)

Statute 7(1)(vi): Librarian

Dr. D.V. Singh

Statute 7(1)(vii): Deans of Faculties

Arts	Prof. Mohan	w.e.f. 13.09.2016
Applied Social Science & Humanities	Suresh Chand Aggarwal	up to 19.07.2017
	Prof. V. K. Kaul	w.e.f. 20.07.2017
Ayurvedic and Unani	Dr. Mohd. Idris Khan	up to 04.07.2017
	Dr. Uma Shankar	w.e.f. 05.07.2017
Commerce & Business	Prof. Muneesh Kumar	up to 18.05.2017
	Prof. Kavita Sharma	w.e.f. 19.05.2017
Education	Prof. (Ms.) N. Ranganathan	w.e.f. 21.09.2016
Homeopathic Medicine	Prof. Arunabha Ray	up to 13.10.2017
	Prof. Rachna Gupta	w.e.f. 14.10.2017
Inter-Disciplinary and Applied Sciences	Prof. Pradeep Kumar Burma	w.e.f. 16.09.2015
Law	Prof. (Ms.) Ved Kumari	w.e.f. 02.09.2016
Management Studies	Prof. M.L. Singla	up to 26.05.2017
	Prof. Sunita Singh Sengupta	w.e.f. 27.05.2017
Mathematical Sciences	Prof. Prakash Chandra Jha	w.e.f. 04.08.2016
Medical Sciences	Prof. Arunabha Ray	up to 13.10.2017
	Prof. Rachna Gupta	w.e.f. 14.10.2017
Music & Fine Arts	Prof. Suneera Kasliwal	w.e.f. 01.02.2016
School of Open Learning	Prof. C.S. Dubey	
Science	Prof. M.K. Pandit	w.e.f. 09.06.2016
Social Sciences	Prof. J.P. Dubey	up to 13.03.2018
	Prof. V.K. Dixit	w.e.f. 14.03.2018
Technology	Prof. Avinash Khare	up to 26.09.2017
	Prof. Sachin Maheshwari	w.e.f. 27.09.2017

Statute 7(1)(viii): Heads of Departments

Prof. Wali Akhtar	Arabic	up to 15.08.2017
Prof. Mohd. Nauman Khan	Arabic	w.e.f. 16.08.2017
Prof. K.T.S. Sarao	Buddhist Studies	w.e.f. 01.03.2017
Prof. Shaswati Mazumdar	Germanic & Romance Studies	w.e.f. 09.04.2017
Prof. Christel Rashmi Devadawson	English	w.e.f. 21.11.2015
Prof. H. S. Prasad	Philosophy	w.e.f. 01.08.2014
Prof. Mohan	Hindi	w.e.f. 13.09.2016

The Dean, Faculty of Arts	Lib. & Infn. Science	w.e.f. 06.01.2017
Prof. R.C. Sharma	Linguistics	up to 25.03.2017
Prof. Tista Bagchi	Linguistics	up to 07.06.2017
Prof. R.C. Sharma	Linguistics	up to 30.09.2017
Prof. Tista Bagchi	Linguistics	w.e.f. 01.10.2017
Dr. G. Rajagopal	MIL & LS	w.e.f. 18.03.2017
Prof. Aleem Ashraf Khan	Persian	w.e.f. 14.05.2016
Prof. Nandita Babu	Psychology	up to 22.12.2017
Prof. S.P.K. Jena	Psychology	w.e.f. 23.12.2017
Prof. Rawail Singh	Punjabi	up to 11.02.2018
Dr. Jaspal Kaur	Punjabi	w.e.f. 12.02.2018
Prof. Sharda Sharma	Sanskrit	w.e.f. 06.07.2016
Prof. N.M. Kamal	Urdu	
Dr. Neelakshi Suryanarayan	Slavonic & Finno Ugrian Studies	w.e.f. 30.01.2017
Prof. Vijay Kumar Kaul	Business Economics	w.e.f. 27.01.2017
Dr. Uma Shankar Sharma	Ayurvedic Medicine	w.e.f. 27.12.2016
Dr. Mohd. Idris Khan	Unani Medicine	w.e.f. 20.05.2015
Dr. Kavita Sharma	Commerce	w.e.f. 01.01.2016
Prof. Muneesh Kumar	Financial Studies	up to 11.02.2018
Prof. Sanjay Sehgal	Financial Studies	w.e.f. 12.02.2018
Prof. (Ms.) N. Ranganathan	Education	w.e.f. 21.09.2016
Prof. Debi P. Sarkar	Bio-Chemistry	up to 11.10.2017
Prof. Suman Kundu	Bio-Chemistry	w.e.f. 12.10.2017
Prof. Shubhendu Ghosh	Bio-Physics	w.e.f. 11.05.2017
Prof. Paramjit Khurana	Plant Molecular Biology	w.e.f. 26.09.2016
Prof. Avinashi Kapoor	Electronic Science	w.e.f. 25.02.2017
Prof. Pradeep Kumar Burma	Genetics	w.e.f. 08.09.2015
Prof. (Ms.) Rani Gupta	Microbiology	w.e.f. 01.07.2016
Dr. Sandeep Tiwari	Physical Education & Sports Sc.	
Prof. (Ms.) Ved Kumari	Law	w.e.f. 02.09.2016
Prof. M.L. Singla	Business Management & Indus. Admin.	up to 26.05.2017
Prof. Sunita Singh Sengupta	Business Management & Indus. Admin.	w.e.f. 27.05.2017
Prof. Vasudha Bhatnagar	Computer Science	w.e.f. 25.10.2016
Prof. V. Ravichandran	Mathematics	up to 12.04.2018
Prof. C.S. Lalitha	Mathematics	w.e.f. 13.04.2018
Prof. Prakash Chandra Jha	Operational Research	w.e.f. 11.04.2016
Prof. Poonam Singh	Statistics	w.e.f. 21.08.2016
Prof. Suneera Kasliwal	Music	w.e.f. 01.02.2016
Prof. Sudha Prasad	Obstet & Gyn.	w.e.f. 03.09.2015
Prof. Anita Tuli	Anatomy (LHMC)	up to 13.06.2017
Prof. Shashi Raheja	Anatomy (LHMC)	w.e.f. 14.06.2017
Prof. Jaspal Singh Dali	Anesthesiology & Critical Care (MAMC)	upto 10.02.2018
Prof. Usha Saha	Anesthesiology & Critical Care (LHMC)	w.e.f. 11.02.2018
Prof. A. K. Sharma	Community Medicine (LHMC)	w.e.f. 07.06.2016
Prof. Ram Chander	Dermatology & Venereology (UCMS)	w.e.f. 19.06.2016
Prof. Harpreet Grewal	Dental Sciences (UCMS)	up to 05.10.2017
Prof. K.K. Banerjee	Forensis Medicine (UCMS)	w.e.f. 22.02.2017

Prof. S.K. Sharma	Medicine (UCMS)	w.e.f. 25.04.2017
Prof. C.P. Baveja	Medical Microbiology (MAMC)	w.e.f. 18.05.2016
Prof. Dinesh Puri	Medical Bio-Chemistry (UCMS)	w.e.f. 18.07.2015
Prof. V.P. Gupta	Ophthalmology (UCMS)	up to 29.12.2017
Prof. Mukesh Kr. Kalra	Orthopaedics (MAMC)	w.e.f. 03.02.2016
Prof. Arun Goyal	Otolaryngology (UCMS)	w.e.f. 24.04.2015
Prof. Sangita Yadav	Paediatrics (MAMC)	w.e.f. 14.10.2015
Prof. Satendra Sharma	Pathology (UCMS)	w.e.f. 24.04.2015
Prof. Arunabha Rey	Pharmacology (VPCI)	up to 13.10.2017
Prof. Neelam Vaney	Physiology (UCMS)	w.e.f. 20.12.2017
Prof. M.S. Bhatia	Psychiatry (UCMC)	up to 30.06.2017
Prof. Raj Kumar	Pulmonary Medicine (VPCI)	w.e.f. 30.12.2016
Prof. Rama Anand	Radiology, Radiotherapy Radiodiagnosis & Radiation Medicine (LHMC)	w.e.f. 14.10.2015
Prof. O.P. Pathania	Surgery (LHMC)	w.e.f. 04.08.2017
The Dean, Fac. of Music & Fine Art	The Head Deptt. of Fine Arts	
Prof. A.K. Kapoor	Anthropology	w.e.f. 19.01.2017
Prof. Gurmeet Singh	Chemistry	up to 09.08.2017
Prof. Ramesh Chandra	Chemistry	w.e.f. 10.08.2017
Prof. Devesh Kumar Sinha	Geology	up to 27.09.2016
Prof. G.V.R. Prasad	Geology	w.e.f. 28.09.2016
Prof. M.K. Pandit	Environmental Studies	w.e.f. 08.05.2015
Prof. Ved Pal Singh	Botany	up to 15.06.2017
Prof. K.S. Rao	Botany	w.e.f. 16.06.2017
Dr. (Ms.) Anupa Siddhu	Home Science	w.e.f. 05.11.2014
The Dean, Faculty of Science	Nursing	
Vacant	Pharmacy	
Prof. Sanjay Jain	Physics & Astrophysics	w.e.f. 16.11.2016
Prof. M.M. Chaturvedi	Zoology	w.e.f. 02.01.2017
Prof. J.P. Dubey	Adult Continuing Edu. & Extn.	up to 13.03.2018
Prof. V.K. Dixit	Adult Continuing Edu. & Extn.	w.e.f. 14.03.2018
Prof. Suresh Kumar	African Studies	
Prof. Sreemati Chakrabarti	East Asian Studies	up to 04.04.2017
Prof. Anita Sharma	East Asian Studies	up to 13.02.2017
Prof. Unita Sachidanand	East Asian Studies	w.e.f. 14.02.2018
Prof. Aditya Bhattacharjee	Economics	up to 19.02.2018
Prof. T.C.A. Anant	Economics	w.e.f. 20.02.2018
Prof. S.C. Rai	Geography	w.e.f. 15.02.2016
Prof. Upinder Singh	History	up to 07.08.2017
Prof. Sunil Kumar	History	w.e.f. 08.08.2017
Prof. Navnita Chadha Behera	Political Science	w.e.f. 01.10.2015
Prof. Manoj Kumar Jha	Social Work	up to 03.04.2017
Prof. Neera Agnimitra	Social Work	w.e.f. 04.04.2017
Prof. Abhijit Shankar Dasgupta	Sociology	up to 31.01.2017
Prof. Roma Chatterji	Sociology	w.e.f. 01.02.2017
Vacant	HOD Architecture & Planning,	

	DTU, Bawana Rd.	
Vacant	HOD Applied Sciences & Humanities, DTU, Bawana Rd.	
Vacant	HOD Computer Engineering, DTU, Bawana Road	
Vacant	HOD Civil Engineering, DTU, Bawana Rd. Delhi-42	
Vacant	HOD Electrical Engg., DTU, Bawana Rd., Delhi-42.	
Dr. Manisha Gupta	HOD Electronics & Communication Engg., NSIT	up to 28.07.2017
Dr. Harish Parthasarthy	HOD Electronics & Communication Engg., NSIT	w.e.f. 29.07.2017
Vacant	HOD Instrumentation & Control Engg., NSIT	
Prof. Sachin Maheshwari	HOD Mechanical Engineering, DTU, Bawana Rd.	w.e.f. 27.09.2017
Vacant	HOD Electrical Engg., DTU, Bawana Rd. Delhi.	
Vacant	HOD Production & Industrial Engg., DTU, Bawana, Delhi-42.	
Prof. H.C. Pokhriyal	HOD Distance & Continuing Edn.	

#### Statute 7(1)(ix)(a): Professors other than Heads of the Departments

Prof. V. K. Srivastava	Anthropology	up to 02.12.2017
Prof. Gurmeet Singh	Chemistry	up to 21.01.2018
Prof. Sanjay Kumar Jain	Commerce	w.e.f. 24.08.2016
Prof. Anand Prakash	Psychology	up to 21.01.2018
Prof. A.K. Kapoor	Anthropology	w.e.f. 17.07.2016
Prof. Amitabha Mukherjee	Physics	up to 08.11.2017
Prof. B.P. Sahu	History	w.e.f. 09.11.2017

#### Statute 7(1)(ix)(b): Professors from the Faculty of Medical Science

Prof. Reva Tripathi	Obstet & Gynecology, Maulana Azad	up to 23.03.2017
Prof. S.N. Gaur	Medicine (VPCI)	up to 22.05.2017
(Vacant)		

#### Statute 7(1)(ix)(c): Professor from the Faculty of Technology

(Vacant)

#### Statute 7(1)(x): Principals of Colleges

Dr. Poonam Verma	Shaheed Sukhdev College of Business Studies	up to 14.10.2017
Dr. Mamta Sharma	Aditi Mahavidyalaya	w.e.f. 15.10.2017
Dr. Manoj Sinha	Aryabhata College	w.e.f. 10.11.2016

Dr. (Ms.) Manmohan Kaur	Sri Guru Nanak Dev Khalsa College	up to 29.05.2017
Dr. Savita Roy	Daulat Ram College	w.e.f. 30.05.2017
Dr. Jatinder Bir Singh	Sri Guru Gobind Singh College of Commerce	up to 25.06.2017
Dr. Payal Mago	Shaheed Rajguru College of Applied Sociences for Women	w.e.f. 26.06.2017
Dr. S.P. Aggarwal	Ramanujan College	up to 24.07.2017
Dr. Masroor Ahmad Beg	Zakir Husain Post Graduate College (Eve.)	w.e.f. 25.07.2017
Dr. Mahesh Verma	Maulana Azad Dental Sciences	w.e.f. 10.10.2016
Dr. P. Hemalatha Reddy	Sri Venkateswara College	up to 02.04.2017
Dr. (Ms.) Purabi Saikia	Bhagini Nivedita College	up to 11.08.2017
Dr. Balram Pani	Bhaskaracharya College of Applied Sciences	w.e.f. 12.08.2017
Dr. P.K. Khurana	Shaheed Bhagat Singh College (Eve.)	up to 01.06.2017
Dr. Suman Sharma	Lady Shri Ram College For Women	w.e.f. 02.06.2017
Dr. Gyantosh Kr. Jha	ARSD College	w.e.f. 25.11.2016
Dr. Anula Maurya	Kalindi College	w.e.f. 11.08.2016
Dr. Shashi Nijhawan	Shivaji College	w.e.f. 10.10.2014
Dr. Babli Moitra Saraf	I.P. College for Women	w.e.f. 03.10.2016
Dr. Madhu Purthi	Keshav Mahavidyalaya	w.e.f. 03.10.2016
Dr. Deepak Kr. Tempe	Maulana Azad Medical College	w.e.f. 03.10.2016

#### Statute 7(1)(xi): Dean Student's Welfare

Prof. J. M. Khurana	up to 15.05.2017
Prof. Rajesh Tandon	w.e.f.16.05.2017

#### Statute 7(1)(xii): University Teacher's Representatives

Dr. Nachiketa Singh	Sri Guru Tegh Bahadur Khalsa College	w.e.f. 13.02.2017
Dr. V.S. Dixit	Atma Ram Sanatan Dharma College	-do-
Mr. Suneel Kumar	Shaheed Bhagat Singh College	-do-
Dr. Chaman Singh	Acharya Narendra Dev College	-do-
Dr. Richa Raj	Jesus & Mary College	-do-
Ms. Lata	Sri Venkateswara College	-do-
Mr. Gaurav Goel	Shivaji College	-do-
Dr. Geeta Bhatt	Bhaskaracharya College of Applied Sciences	-do-
Dr. M. Ramananda Singh	Kirori Mal College	-do-

Dr. Pradeep Kumar	Keshav Mahavidyalaya	-do-
Dr. Rasal Singh	Kirori Mal College	-do-
Mr. Sachin N.	Dyal Singh College	-do-
Dr. Dio Kumar	Rajdhani College	-do-
Dr. R.N. Dubey	Bhim Rao Ambedkar College	-do-
Dr. Pankaj Garg	Rajdhani College	-do-
Mrs. Jyoti Sabharwal	Germanic & Romance Studies	-do-
Dr. Samrendra Kumar	Shyam Lal College (Day)	-do-
Mr. Saikat Ghosh	Shri Guru Teg Bahadur Khalsa College	-do-
Mr. Hans Raj	Sri Aurobindo College	-do-
Dr. Md. Riyazuddin Khan	Bhim Rao Ambedkar College	-do-
Mr. Shashi Shekhar Prasad	Satyawati College	-do-
Dr. Mohd. Arif	Zakir Husain Delhi College	-do-
Dr. Firasat Hussain	Department of Chemistry	-do-
Dr. K.P. Singh	Library & Inf. Science	-do-
Dr. Imteyaz Ahmad	Urdu	-do-
Dr. Vivek	Lady Harding Medical College	-do-

Statute 11-K (2):

Prof. Tarun Kumar Das

Registrar-Secretary

## THE FINANCE COMMITTEE

Statute 10-A (1) (i): Vice-Chancellor

Prof. Yogesh Kumar Tyagi

Statute 10-A (1) (ii): Pro-Vice-Chancellor

Prof. J.P. Khurana (Officiating)

Statute 10-A (1) (iii): Two persons nominated by the Visitor

Shri Girish C Hosur

Smt. Darshana M. Dabral

Statute 10-A (1) (iv): Two persons elected by the University Court

Shri Rajpal Singh Pawar

w.e.f. 10.04.2018

Dr. V. K. Agrawal

w.e.f. 10.04.2018

Statute 10-A (1) (v): Treasurer

Shri. T.S. Kripanidhi

Statute 11-K (2):

Prof. Tarun Kumar Das

Registrar-Secretary

## NON-TEACHING STAFF

### Obituaries

Name	Designation	Expired on
Mr. Krishan Kant Tanwar	Laboratory Assistant	05.10.2017
Mr. Suresh	Plant Growth Room Attendant	12.10.2017

### Extension of Service

Name	Designation
Mr. Mahender Kumar	Wireman
Mr. Rajesh Kumar	TA (Computer)
Mr. Ajay Kumar Gupta	Director
Mr. Deepak Kumar Jain	Technical Officer
Mr. P. K. Bora	Technical Officer
Mr. Rattan Singh	Lab. Assistant
Mr. Subrata Ghosh	Technical Assistant
Mr. Aftab Alam Ansari	Technical Assistant
Sh. Bishwa Nath Prasad	Senior Assistant
Sh. Ram Lubhaya	Sr. Personal Assistant
Sh. S. K. Tyagi	SGTO
Ms. Sheo Nath	Care-taker
Ms. Bimla Gurung	Senior Assistant
Sh. Rohtas Singh Verma	Senior Assistant
Sh. H. C. Pant	Section Officer
Sh. Morice Tete	Deputy Registrar
Sh. Dinesh Chandra	Senior Assistant
Ms. Anju Sood	Senior Assistant
Sh. Anil Kumar	Section Officer
Sh. S. D. Sharma	Senior Assistant
Ms. Rajinder Kaur	Section Officer
Sh. Saroj Kumari Arora	Senior Assistant
Ms. Pushpa Dogra	Section Officer
Sh. Gulshan Kr. Sachdeva	Section Officer
Sh. Devender Singh	Senior Assistant
Sh. Suvinder Kumar	Senior Assistant
Sh. Sher Singh Bisht	Senior Assistant
Ms. Chitra Khurana	Assistant
Sh. S. D. Parashar	Senior Assistant
Sh. Chandra Has	Senior Assistant
Sh. Mahesh Kumar	Assistant
Ms. Vinod Raymond	Section Officer
Sh. S. Murugan	Section Officer
Sh. Harbans Lal	Section Officer
Mrs. Lata Rani	Section Officer
Sh. M. P. Taneja	Section Officer



Ms. Santosh Dewan  
Mrs. Sushma Kumari Gupta

Section Officer  
Section Officer

## Promotion

Mr. Devendre Kumar  
Mr. Gauri Dutt Sharma  
Mrs. Arun Bala  
Mrs. Kavita Dhar  
Mr. Ravi Sharma  
Mr. Raj Mohan  
Mr. Rakesh Singh Negi  
Mr. Dal Singar  
Mr. Sunder Singh  
Mr. Ramvir Singh  
Mr. Neelam Dhar  
Mrs. Saraswati Joshi  
Mrs. Meena Singh  
Mr. Passang Lama  
Mr. Kashmir Singh  
Mr. Prakash Chandra  
Mr. Mukesh Kumar  
Mr. Mohd. Hanif  
Mr. Subhash Chander  
Mr. Jagdish Singh Rawat  
Mr. Nand Kishore Giri  
Mr. Satish Chand-I  
Mr. Ramesh Kumar  
Mr. Surender Pal Singh  
Mr. Guari Shankar  
Mr. Ant Ram  
Mr. Suresh Kumar  
Mr. Mustafa Husain  
Mr. Vyas Dev  
Mr. Rohtash  
Mr. Ram Roop Singh  
Mr. Vir Bahadur  
Mr. Birendra Prasad Singh  
Mr. Amrendra Kumar Singh  
Mr. Bhupinder Singh  
Mr. Manwar Singh  
Mr. Ramesh Chandra Pandey  
Mr. Pramod Kumar  
Mr. Ajay Kumar Giri  
Mr. Jitendra Kumar Maurya  
Mr. Banshraj Ram  
Mr. Ram Kunwar Tyagi

Mr. Bharat Singh  
 Mr. Madan Lal  
 Mr. Radhe Shyam  
 Mr. Anil Kumar Mishra

#### Voluntary Retirement

Name	Designation	Date
Mrs. Pushplata Kakkar	Laboratory Assistant	30.11.2017

#### Retirement

Name	Designation	Date
Mr. Ram Prasad	Lab. Assistant	30.04.2017
Mr. Deepak Sharma	Pharmacist	31.05.2017
Mr. Hari Dutt	Bearer	31.05.2017
Mr. Ranbir Singh	Asstt. Pump Operator	31.05.2017
Mr. Ravinder Singh	Lab Asstt.	30.06.2017
Mr. Mahesh Prasad Rai	Garden Chaudhary	30.06.2017
Mr. V. S. K. Anndurai	Violin Accompanist	30.06.2017
Mr. O. P. Tiwari	TA (Museum)	31.07.2017
Mr. Baljeet Singh	X-Ray Technician	31.07.2017
Mr. Santokh Singh	Electrician	31.08.2017
Mr. Ashok K. Sharma	JLA (Dark Room)	31.08.2017
Dr. Ajay Kr. Gupta	Director	30.09.2017
Mr. Brij Lal	Asstt. Pump Operator	30.09.2017
Mr. Umesh K Chaudhary	Tech. Asstt.	30.09.2017
Mr. Trilok Chand Jain	Jr. Engineer	31.10.2017
Mrs. Esther Raymond	Nurse	30.11.2017
Mr. Rajuddin Khan	Carpenter	30.11.2017
Mr. Ram Chander II	Asstt. Pipe Fitter	31.12.2017
Mr. Daya Kishan	Workshop Mate	31.12.2017
Mr. Nand Kishore Giri	Lab. Assistant	31.12.2017
Mr. Bal Kishan	Tech. Asstt.	31.12.2017
Mr. Subrata Ghosh	TA	31.12.2017
Mr. Suresh-I	Mali	31.01.2018
Mr. Ram Bir Singh	Wireman	31.01.2018
Mr. Depak Kumar Jain	Tech. Officer	31.01.2018
Mr. Manglu Prasad	Asstt. Mason	28.02.2018
Mr. Rattan Singh	Lab Assistant	28.02.2018
Mr. Lotan	Asstt. Mason	28.02.2018
Mr. Poresh K Bora	Tech. Officer	31.03.2018

Ms. Asha Rani	Section Officer	30.04.2017
Ms. Pushpa Dogra	Section Officer	31.05.2017
Mr. Gulshan Kumar Sachdeva	Section Officer	30.06.2017
Mr. Devender Singh	Senior Assistant	30.06.2017
Mr. Mangoo Dhingia	Section Officer	30.06.2017
Ms. Arun Anand	P.A.	31.07.2017
Mr. Chander Shekhar Pant	P.S.	31.07.2017
Ms. Dhiraj Kanta Bakshi	Senior Assistant	31.07.2017
Mr. Shashi Prabha Aggarwal	Stat. Asstt.	30.09.2017
Mr. Suvinder Kumar	Senior Assistant	30.09.2017
Ms. Chander Kanta Bhatia	Section Officer	31.10.2017
Ms. Chitra Khurana	Assistant	31.10.2017
Ms. Ravinder Arora	Section Officer	31.10.2017
Ms. Suman Malik	Section Officer	30.11.2017
Ms. Chander Kanta Kapoor	Senior Assistant	30.11.2017
Ms. Raj Rani Kedia	Section Officer	30.11.2017
Mr. Ramesh Kumar	Senior Assistant	30.11.2017
Mr. Som Nath Mukherjee	Senior Assistant	30.11.2017
Mr. Suresh Dutt Parashar	Senior Assistant	30.11.2017
Ms. Neelam Malhotra	Section Officer	31.12.2017
Mr. Sher Singh Bisht	Senior Assistant	31.12.2017
Mr. Chandra Has Tyagi	Assistant	31.12.2017
Mr. Mahesh Kumar	Senior Assistant	31.12.2017
Ms. Santosh Dewan	Senior Assistant	31.03.2018
Mr. Pramod Kumar Srivastava	Senior Assistant	31.03.2018
Ms. Harpinder Kaur	Stenographer	31.03.2018

## Obituaries

Name	Designation	Date
Mr. Krishan Kant Tanwar	Laboratory Assistant	05.10.2017
Mr. Suresh	Plant Growth Room Attendant	12.10.2017

## TEACHING STAFF

### Disengaged/Terminated/Expired/Resigned/Technical Resignation & VRS

Name	Department
Dr. Biswamoy Patil	History

Dr. (Mrs.) Swasti Shrimali	Psychology
Dr. (Mrs.) Anita Sharma	East Asian Studies

### Retirement

Name	Department	Date
Prof. Hari Mohan Sharma	Hindi	30.04.2017
Prof. (Mrs.) Vibha Maurya	Germanic & Romance Studies	30.04.2017
Prof. R. C. Thakran	History	31.05.2017
Prof. (Mrs.) Satwanti Kapoor	Anthropology	31.05.2017
Prof. (Mrs.) Monika Dutta	Chemistry	30.06.2017
Dr. V. Ramalakshmi	East Asian Studies	31.08.2017
Prof. Rajendra Prakash Gautam	Hindi	30.09.2017
Prof. A. K. Bakshi	Chemistry	30.09.2017
Prof. Ramesh Chand Sharma	Linguistics	30.09.2017
Prof. Tej Bahadur Singh	Mathematics	31.10.2017
Dr. (Mrs.) T. Geetha	Education	31.10.2017
Prof. Amitabha Mukharjee	Physics and Astrophysics	30.11.2017
Prof. Jagdish Saran	Statistics	31.12.2017
Prof. V. K. Srivastava	Anthropology	31.12.2017
Prof. (Mrs.) Tulsi Patel	Sociology	31.12.2017
Dr. (Ms.) Shreemati Chakrabarti	East Asian Studies	31.01.2018
Dr. Prahlad C. Ghosh	Biochemistry	31.01.2018
Dr. Ved Pal singh	Botany	31.01.2018
Dr. Manjit Singh	Punjabi	28.02.2018
Prof. Madan Mohan	Plant Molecular Biology	31.03.2018

### New Appointment

Dr. Mahima Chhabra	Education
Dr. Latika Gupta	Education
Dr. Vikas Bariwal	Education
Dr. Rakesh Kumar	Education
Dr. Sunita Singh	Education
Dr. Gyanender Kumar	Education
Dr. Geeta Rai	Education
Dr. Ananthula Raghu	Education
Dr. Sweta Gupta	Education
Dr. Rajendra Prasad	Education
Dr. Subhash Chander	Education
Dr. Ram Niwas	Education
Dr. Meenakshi Ramuji Ingole	Education
Sh. Ram Murti Sharma	Education
Vandana Mahalwar	Law
Shaiwal Satyarthi	Law
Anjay Kumar Sharma	Law
Santosh Kumar Upadhyay	Law

Seema Singh	Law
Gurpreet Singh	Law
Monica Chaudhary	Law
Narender Kumar Bishnoi	Law
Vikesh Ram Tripathi	Law
Samiksha Godara	Law
Ajay Kumar Sharma	Law
Basuki Nath Dubey	Law
Bhupesh Rathore	Law
Ruchita Chakraborty	Law
Pooja Devi	Law
Ashutosh Mishra	Law
Rohit Moonka	Law
Diksha Munjal Shankar	Law
Namita Vashishtha	Law
Kshitij Kumar Singh	Law
Piyush Kumar	Law
Shiva Priyamvada	Law
Neelam Tyagi	Law
Amrendra Kumar Ajit	Law
Parikshet Sirohi	Law
Haris Jamil	Law
Amit Kumar Sinha	Law
Ashish Kumar	Law
Arti Aneja	Law
Sarvesh	Law
Kalpna Sharma	Law
Rubina Grewal Nagra	Law
Vijay Kumar Himanshu	Law
Silky Mukherjee	Law
Pushkar Anand	Law
Archa Vashishtha	Law
Kailash Jeenger	Law
Anju Sinha	Law
Saurabh Rana	Law
Susmitha P	Law
Pramod Tiwari	Law
Sneh Yadav	Law
Thulasidhass P	Law
Belu Gupta Arora	Law
Rahul Kumar	Law
Shivika Choudhary	Law
Ashutosh Acharya	Law
Abhay Pratap Singh	Law
Isha Wadhwa	Law
Anumeha Mishra	Law
Shachi Singh	Law

Nitesh Saraswat	Law
Kajal Jhamb	Law
Priti Rana	Law
Shourie Anand Singh	Law
Shikha Sharma	Law
Sanjivini Raina	Law
Mr. Naresh Mahipal	Law
Sunaina	Law
Surender Mehra	Law
Jupi Gogoi	Law
Ms. Neetu	Law
Dr. Kavita	Law
Ms. Naseema P K	Law
Vijoy V. Panicker	Law
Parveen	Law
Ashwini Siwal	Law
Sujith K	Law
Kalidass P	Law
Shikha Kamboj	Law
Suman Yadav	Law
Shivani Singh	Law
Kailash Kumar Kurmi	Law
Alka Bharati	Law
Ramakrishna Das PR	Law
Namrata Gupta	Law
Shankar Singh Yadav	Law
Kislay Soni	Law
Anita Yadav	Law
Megh Raj	Law
Amrithnath SB	Law
Mehpara	Law
Sukanya Singha	Law
Amrendra Kumar	Law
Pankaj Choudhary	Law
Krishna Murari Yadav	Law
Aklavya Anand	Law
Cholaraja M	Law
Meena Kumari	Law
Ashutosh K. Srivastava	Law
Atma Yadav	Law
Daya Devi	Law
Ajay Bapusaheb Sonawane	Law
Narender Nagarwal	Law
Anil Sain	Law
Upendra Nath	Law
Balajinaika B G	Law
Apanjot Kaur	Law

Apeksha Kumari	Law
Dinesh Dayma	Law
Ravindra Kumar	Law
Akash Anand	Law
Vikas Kumar	Law
Shilpi	Law
Swati Solanki	Law
Akash Deep Nagal	Law
Moatoshi AO	Law
Irwin Lalmuanpuii Hnamte	Law
Stanzin Chostak	Law
C K Negi Bisht	Law
Mizum Nyodu	Law
Jai Prakash Nyodu	Law
Mercy K. Khaute	Law
Nidhi Minz	Law
Ezekial Jarain	Law
Shakti Kumar Agarwal	Law

#### Visiting Professor

<b>Name</b>	<b>Department</b>
Prof. Subha Dasgupta	Modern Indian Languages & Literary Studies
Dr. Kim Young Soon	East Asian Studies

#### Visiting Fellow

<b>Name</b>	<b>Department</b>
Dr. Charu Gupta	History
Prof. Thomas Pogge	Political Science
Paula Banerjee	Political Science
Shibashis Chatterjee	Political Science
Prof. Badri Narayan	Political Science
Prof. Thomas Lindgren	Political Science
Gull Mohd. Wani	Political Science
Muzaffar Assadi	Political Science
Prof. K. M. Seethi	Political Science
Dr. Rajesh Komnath	Political Science
Dr. Vaddiraju Anil Kumar	Political Science
Prof. Harihar Bhattacharya	Political Science
Prof. Samir Kumar Das	Political Science
Prof. Jagrup Singh	Political Science
Prof. Neera Chandhoke	Political Science
Jibu Matthews George	English
Dr. Subha Chakraborty Dasgupta	English
Prof. Jayati Gupta	English
Prof. Sachin C Ketkar	English
Prof. Anne Cheng	English

Dr. Nurit Peled Elhanan	English
Dr. M. N. Krishnan	English

#### Visiting Lecturer

<b>Name</b>	<b>Department</b>
Mr. Mgr Veronica Resselava	SFUS
Mr. Cesar Luis Rodriguez Pastor	GRS
Dr. Margit Koves	SFUS
Ms. Maja Nemere	GRS
Dr. (Ms.) Celia Guido Mendes	GRS
Dr. Zelijana Sostik	SFUS
Dr. (Ms.) Galina Yakova Molhova	SFUS



## MEMBERS OF THE FACULTIES

### ARTS

Statute 9(3) (i): Dean

Prof. Mohan, Department of Hindi

Statute 9(3) (ii): Head of the Departments

Prof. Wali Akhtar	Arabic	up to 15.08.2017
Prof. Mohd. Nauman Khan	Arabic	w.e.f. 16.08.2017
Prof. K.T.S. Sarao	Buddhist Studies	w.e.f. 01.03.2017
Prof. Shaswati Mazumdar	Germanic & Romance Studies	w.e.f. 09.04.2017
Prof. Christel Rashmi Devadawson	English	w.e.f. 21.11.2015
Prof. H. S. Prasad	Philosophy	w.e.f. 01.08.2014
Prof. Mohan	Hindi	w.e.f. 13.09.2016
The Dean, Faculty of Arts	Lib. & Infn. Science	w.e.f. 06.01.2017
Prof. R.C. Sharma	Linguistics	up to 25.03.2017
Prof. Tista Bagchi	Linguistics	up to 07.06.2017
Prof. R.C. Sharma	Linguistics	up to 30.09.2017
Prof. Tista Bagchi	Linguistics	w.e.f. 01.10.2017
Dr. G. Rajagopal	MIL & LS	w.e.f. 18.03.2017
Prof. Aleem Ashraf Khan	Persian	w.e.f. 14.05.2016
Prof. Nandita Babu	Psychology	up to 22.12.2017
Prof. S.P.K. Jena	Psychology	w.e.f. 23.12.2017
Prof. Rawail Singh	Punjabi	up to 11.02.2018
Dr. Jaspal Kaur	Punjabi	w.e.f. 12.02.2018
Prof. Sharda Sharma	Sanskrit	w.e.f. 06.07.2016
Prof. N.M. Kamal	Urdu	
Dr. Neelakshi Suryanarayan	Slavonic & Finno Ugrian Studies	w.e.f. 30.01.2017

Statute 9(3) (iii): All Professors of the Departments

Prof. Nauman Khan	Arabic
Prof. Wali Akhtar	Arabic
Prof. H.P. Gangnegi	Buddhist Studies
Prof. Shormishta Panja	English
Prof. Minni Sawhney	Germanic & Romance Studies
Prof. Kusum Aggarwal	Germanic & Romance Studies
Prof. Apoorvanand Jha	Hindi
Prof. Sheoraj Singh Bechan	Hindi
Prof. Kumud Sharma	Hindi
Prof. P. K. Walia	Library & Information Science
Prof. P.C. Pattanaik	MIL & LS
Prof. Chander Shekhar	Persian
Prof. Rajinder Kumar	Persian

Prof. Balaganapathi Devarakonda	Philosophy
Prof. P. Kesava Kumar	Philosophy
Prof. Shashi Motilal	Philosophy
Prof. Kanchana Natarajan	Philosophy
Prof. Nandita Babu	Psychology
Prof. Manjit Singh	Punjabi
Prof. Rawail Singh	Punjabi
Prof. Ramesh C. Bharadwaj	Sanskrit
Dr. (Ms.) Arjumand Ara	Urdu

Statute 9(3) (iv): One Associate Professor and one Assistant Professor by Rotation according to Seniority

Dr. Naimul Hasan	Arabic
Dr. Syed Hasnain Akhtar	Arabic
Sh. Asghar Mahmood	Arabic
Ms. Sneha Lata	Hindi
Dr. Vijay Shankar Dwivedi	Sanskrit
Dr. Mustaq Alam Qadri	Urdu
Ms. Mamta	Linguistics
Ms. Meera	Library & Information Science
Dr. Allauddin Shah	Persian
Dr. (Ms.) Anuradha Veeravali Nee Shah	Philosophy
Sh. Eric Soreng	Psychology
Dr. S.P.K. Jena	Psychology
Dr. (Ms.) Ranjana Saxena	Slavonic & Finno-Ugrian Studies
Shri Kanwar Pal Singh	Library & Information Science
Dr. (Ms.) Meera Dwivedi	Sanskrit
Ms. Ratnottama Das	MIL & LS
Dr. (Ms.) Rosy Singh	Germanic & Romance Studies
Dr. Vinod Kumar Singh	English
Dr. Prasanta Chakravarty	English
Ms. Aarti Paul	Germanic & Romance Studies
Dr. Nachhattar Singh	Punjabi
Dr. Sanjay Kumar	Hindi
Sh. Galdhan Sangai	Buddhist Studies
Dr. Indra Narain Singh	Buddhist Studies
Dr. Ravindra M. Singh	Philosophy
Dr. Ali Javed	Urdu
Dr. Abu Bakar Abbad	Urdu
Ms. Nasra Sultana	Urdu

Statute (9)(3) (v): One Teacher from each College by Rotation according to Seniority

Dr. Begashari Chakradhar	Shaheed Bhagat Singh College
Dr. Jyoti Kaur	Sri Guru Gobind Singh College of Commerce
Dr. Neelam Rishikalpa	Ram Lal Anand College
Mr. Shubhanku	Lady Irwin College

Dr. Veena Rani Malhotra	Sri Aurobindo College
Dr. Ravi Shamra	Shri Ram College of Commerce
Dr. Vinod Kumar Verma	Maharaja Agrasen College
Ms. Beant Kaur	Sri Guru Nanak Dev Khalsa College
Dr. (Ms.) Daisy	Keshav Mahavidyalaya
Dr. Sanjeev K. Kaushal	Indira Gandhi Institute of Physical Education & Sport Sciences
Dr. Rashmi Sharma	Bhagini Nivedita College
Dr. Rohith P.	Deen Dayal Upadhyaya College
Ms. Vinita Gupta	Delhi College of Arts & Commerce
Dr. (Mrs.) Uma Chaudhary	Motilal Nehru College (Eve.)
Ms. Sabina Pillai	Shaheed Bhagat Singh College (Evening)
Dr. Meena Sharma	Ramanujan College
Dr. (Ms.) Usha Jagdeesan	Dyal Singh College (Eve.)
Mr. Manoj Kumar Garg	Acharya Narendra Dev College
Ms. M. Singhla	Janki Devi Memorial College
Ms. Geetinder Kaur	Sri Guru Tegh Bahadur Khalsa College
Dr. Uma Khanna	Sri Guru Gobind Singh College of Commerce
Dr. Virender Kumar Yadav	Rajdhani College
Dr. Dimpy Mahanta	Keshav Mahavidya
Dr. Sanjeev K. Kaushal	Indira Gandhi Institute of Physical Education & Sport Sciences
Dr. Ranjeet Singh	Bhaskaracharya College of Applied Sciences
Dr. (Ms.) Jasvinder Kaur	S.G.T.B. Khalsa College
Dr. Y.K. Sharma	Swami Shradhanand College
Ms. Anita George	Institute of Home Economics
Ms. Sucheta Chaturvedi	Lakshmibai College
Ms. Kaveri Chakraborty	Kamla Nehru College
Ms. Madhvi Bhalla	Dyal Singh College (Day)
Dr. Nita N. Kumar	Shayama Prasad Mukherji College for Women
Dr. Harpreet Bhatia	Keshav Mahavidyalaya
Dr. J.P. Mishra	Moti Lal Nehru College
Dr. Preeti Kapur	Daulat Ram College
Ms. Kanta Rani Bhatia	Bharti College
Ms. Asha Kohli	Kamla Nehru College
Dr. Renu Gupta	Shyam Lal College (Eve.)
Sh. P.K. Vijayan	Hindu College
Dr. Rita Joshi	Lady Shri Ram College for Women
Mr. Keval Arora	Kirori Mal College
Dr. Sarvesh Kumar Dubey	Shivaji College
Dr. (Ms.) Kusum Lata	Sri Aurobindo College (Eve.)
Dr. S.C. Rupela	Zakir Hussain Post Graduate Delhi College (Eve.)
Dr. Suresh Chander Sharma	PGDAV (Eve.)
Ms. Rashmi Govind	Zakir Hussain Delhi College
Ms. E. Thomas	Deshbandhu College
Dr. V.S. Mishra	Satyawati College (Eve.)
Dr. (Ms.) Prem Lata Bhasin	School of Open Learning
Dr. Sanjay Kumar	Hans Raj College
Dr. Mala Misra	Aditi Mahavidyalaya

Dr. (Ms.) Veena	P.G.D.A.V. College
Dr. (Ms.) T. Abraham	Jesus & Mary College
Dr. (Ms.) Chitra Rani	Bhim Rao Ambedkar College
Ms. Mohini Bawa	College of Vocational Studies
Mrs. K. Sharda Murthy	Ramjas College
Dr. Anju Seth	Satyawati College
Dr. A. Sudha Devi	Atma Ram Sanatan Dharma College
Dr. (Ms.) Karen Gabriel	St. Stephens College
Dr. Pamela Anwer	Aryabhatta College
Mrs. Amarjeet Chadha	Mata Sundri College

#### Statute (9)(3) (vi): Co-opted

Ms. Amal Allana (NSD)	National School of Drama
Prof. Satyapal Gautam	Mahatma Jyotibha Phule Rohilkhand University
Prof. Arunva Sen	Indian Statistical Institute of S.J.S.
Prof. Narayan Gupta	Jamia Millia Islamia University
Prof. Amrit Srinivasan	Indian Institute of Technology
Prof. D. L. Sheth	C.S.D.S.
Prof. Anil Bhatti	Jawaharlal Nehru University
Prof. Sudhir Kakkar	
Prof. Survinirit Mehta	

## SCIENCE

#### Statute – 9(3) (i): Dean

Prof. Maharaj K. Pandit

#### Statute – 9(3) (ii): Heads of the Departments

Prof. K. S. Rao	Botany
Prof. A. K. Kapoor	Anthropology
Prof. Madan Mohan Chaturvedi	Zoology
Prof. Sanjay Jain	Physics
Prof. G. V. R. Prasad	Geology
Dr. (Mrs.) Anupa Sidhu	Lady Irwin College
Prof. K. Natrajan	A.C.B.R.
Prof. Ramesh Chandra	Chemistry
The Principal	RajkumariAmrit Kaur College of Nursing
Prof. P.K. Sahoo	Delhi Institute of Pharmaceutical Sciences and Research

#### Statute – 9(3) (iii): Professors other than Heads of the Departments

##### Deptt. of Physics & Astrophysics

Prof. B.C. Choudhary	Prof. Debejyoti Choudhary	Prof. Avinash Khare
Prof. P. Das Gupta	Prof. S. Annapoorni	Prof. K. Sreenivas
Prof. H.P. Singh	Prof. S. Mahajan	Prof. Vinay Gupta
Prof. A. G. Vedeshwar	Prof. P.D. Sahare	Prof. T. R. Seshadri

Prof. Binay Kumar  
Prof. Anjan Dutta  
Prof. Samit Kumar Mandal  
Prof. Kirti Ranjan

Prof. Poonam Silotia  
Prof. Nivedita Deo  
Prof. Safir Ahmad Hashmi  
Prof. S. Murugavel

Prof. Amarjeet Kaur  
Prof. Amita Chandra  
Prof. Shyama Rath

Deptt. of Chemistry

Prof. Rita Kakkar  
Prof. R. K. Sharma  
Prof. Rama Kant  
Prof. Sunil Kumar Sharma  
Prof. N. Thirupathi  
Prof. Parbati Biswas  
Prof. M. Thirumal

Prof. J. M. Khurana  
Prof. A. K. Parsad  
Prof. D. S. Rawat  
Dr. Satish Kumar Awasthi  
Prof. Subho Mozumdar  
Prof. R. Nagarajan  
Prof. A. K. Verma

Prof. Mazaahir Kidwai  
Prof. Shrikant Kukreti  
Prof. Gurmeet Singh  
Prof. Rajeev Gupta  
Prof. M. Nath  
Prof. S. Uma  
Prof. M. D. Milton

Deptt. of Botany

Prof. S.C. Bhatla  
Prof. R. Geeta  
Prof. S. Mazumdar-Leighton  
Prof. Prem Lal Uniyal  
Prof. Manu Agarwal  
Dr. Dinbandhu Sahoo

Prof. A. K. Pandey  
Prof. Veena Agrawal  
Prof. Vishnu Bhat  
Prof. Rupam Kapoor  
Prof. Arun Jagannath

Prof. S. B. Babbar  
Prof. Renu Deswal  
Prof. Rajesh Tandon  
Prof. Shailendra Goel  
Prof. Ms. Suman Lakhanpaul

Deptt. of Zoology

Prof. Rup Lal  
Prof. Rina Chakrabarti  
Prof. R. K. Seth  
Prof. Namita Agrawal  
Prof. Shibnath Mazumdar  
Prof. Rith Singh

Prof. Neeta Sahgal  
Prof. D. K. Singh  
Prof. S. Basu- Modak  
Prof. Rajagopal Raman  
Prof. Yogendra Singh

Prof. Umesh Rai  
Prof. Vinod Kumar  
Prof. Anju Shrivastava  
Prof. Mallikarjun Shakarad  
Prof. Alok Chandra Bharti

Deptt. of Anthropology

Prof. V. K. Srivastava  
Prof. M. P. Sachdeva

Prof. P. C. Joshi  
Prof. S. M. Patnaik

Prof. (Mrs.) Satwanti Kapoor  
Prof. G.K. Kshatriya

Deptt. of Geology

Prof. C.S. Dubedy  
Prof. Anupam Chattopadhyay  
Prof. D. K. Sinha

Prof. N.C. Pant  
Prof. Pankaj Srivastava

Prof. J. P. Shrivastava  
Prof. Partha Pratim Chakraborty

Deptt. of Environmental Studies

Prof. P. Pardha Saradhi  
Prof. Radhe Shyam Sharma

Prof. Inderjit Singh

Prof. Sathyabhama Das Biju

Dr. B. R. Ambedkar Centre for Biomedical Research

Prof. Vani Brahmachari

Prof. Daman Saluja

Prof. K. Natarajan

Statute – 9(3) (iv): One Associate Professor and one Assistant Professor by Rotation  
according to the Seniority from each Department

Dr. Indrajit Roy

Chemistry

Dr. Sandip Das	Botany
Dr. (Ms.) Nividita Deo	Physics
Dr. (Ms.) Indrani Chatopadhyaya	Anthropology
Dr. S.K. Singh	Geology
Dr. (Ms.) Yashwanti Mudgil	Botany
Dr. Rakesh Kumar Sharma	Chemistry
Dr. Ashutosh Kumar Singh	Geology
Dr. (Ms.) Chirashree Ghosh	Environmental Studies
Ms. Avitoli G. Zhimo	Anthropology
Ms. Vandana Mishra	Environmental Studies
Dr. Suresh Kumar	Physics
Dr. Ram Kishan Negi	Zoology
Dr. (Ms.) Manisha Tiwari	ACBR

Statute – 9(3) (v): One Teacher concerned by Rotation according to Seniority from  
each College

Dr. K. A. Venu-Gopalan	Rajdhani College
Dr. Manju A. Lal	Kirori Mal College
Dr. E. Chauhan	Deshbandhu College
Dr. (Ms.) N. P. Malkani	Daulat Ram College
Sh. B. S. Bagla	P.G.D.A.V. College
Dr. P. K. Sinha	Hindu College
Dr. (Ms.) Sunita Gupta	Zakir Husain Delhi College
Dr. (Ms.) Divya Haridas	Keshav Mahavidhyalaya
Dr. Ranjana Rastogi	Hans Raj College
Dr. Alka Vohra Kumar	Shaheed Rajguru College of Applied Sciences for Women
Dr. Vidya Pradhan	Moti Lal Nehru College
Dr. (Ms.) Saumya Saxena	Acharya Narendra Dev College
Dr. Adarsh Gulati	Miranda House
Dr. Sabrina Sareen	Lakshmibai College
Dr. Poonam Lakra	Aditi Mahavidyalaya
Dr. K. V. Ferdinand	Rajdhani College
Dr. Poonam Suri	Deen Dayal Upadhyaya College
Dr. Rekha Sapra	Bharati College
Dr. Reeta Sharma	Shyam Lal College
Dr. Rajeev Singh	Satyawati College
Dr. (Ms.) Laxmi Tanwar	Sri Aurobindo College
Dr. Versha Goel	Maitreyi College
Dr. Sudha Gulati	Kalindi College
Dr. Suprna Gupta	Shyama Prasad Mukherjee College for Women
Dr. Sushmita Chowdhury	Gargi College
Ms. Shikha Chatterjee	Raj Kumari Amrit Kaur College of Nursing
Dr. Nibedita Swain	Maharaja Agrasen College
Dr. Rene Saksena	St. Stephen's College
Dr. A. K. Shukla	Ramjas College
Dr. Anand Bharadvaja	Bhaskaracharya College of Applied Sciences

Dr. J. L. Sharma	Kirori Mal College
Dr. V.P. Aggarwal	Dyal Singh College
Dr. Manisha Bhutani	Bhagini Nivedita College for Women
Dr. Ravi Kant	Deshbandhu College
Dr. Manju Banerjee	Shivaji College
Dr. Kavita Bhalla	A.R.S.D. College
Dr. (Ms.) Gurmeet Kaur	S.G. T.B. Khalsa College
Dr. Bhanumati Sharma	Lady Irwin College
Dr. (Ms.) Chitra Bhasin	Daulat Ram College
Dr. Chanchal	Institute of Home Economics
Dr. (Ms.) Renu Garg	Swami Shradhanand College
Dr. Ram Saran	Hindu College
Sh. B. S. Bagla	P.G.D.A.V. College
Dr. Vijay Verma	Sri Venkateshwara College
Ms. Purnima Vir	Vivekanand College
Ms. Preeti Goel	School of Open Learning
Ms. N. Murlidhar	Janki Devi Memorial College

#### Statute – 9(3) (vi): Co-opted Members

Prof. R.K. Mahajan	Department of Chemistry, Guru Nanak Dev University Amritsar (Punjab)-143001
Dr. Abhik Ghosh	Head, Department of Anthropology, Punjab University, Chandigarh
Prof. K.G. Sexena	School of Environmental Science, Jawaharlal Nehru University
Prof. M.S. Johal	Department of Zoology, Punjab University, Chandigarh-160014
Dr. Mridula Seth	J-33, Lajpat Nagar III, New Delhi-110024

#### Statute – 9(3) (vii): Nominated by Academic Council

Prof. R. Ramaswamy	School of Physical Science, Jawaharlal Nehru University, New Delhi
Prof. Kanchan Pande	Department of Earth Science, Indian Institute of Technology (IIT) Bombay
Prof. A.K. Sinha	Department of Anthropology, Punjab University, Chandigarh
Prof. Sher Ali	Jamia Millia Islamia, Jamina Nagar, New Delhi-110025
Dr. Dinakar Kajilal	Director, Inter University Accelerator Centre, Aruna Asif Ali Marg, Vasant Kunj, New Delhi-110067.

### **LAW**

Prof. Ved Kumari	Head and Dean
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#### AC Member

Justice Dhananjaya Y. Chandrachud
Justice Sanjay Kishan Kaul
Justice (Dr.) S. Murlidhar
Justice Mukta Gupta
Prof. M. Afzal Wani

#### Member

Prof. Usha Tandon  
Dr. V. K. Ahuja  
Dr. Alka Chawla  
Dr. Awakta Verma

### MEDICAL SCIENCE

#### Statute – 9(3) (i): Dean

Prof. A Ray	up to 13.10.2017
Prof. Rachna Gupta	w.e.f. 14.10.2017

#### Statute – 9(3) (ii): All Heads of the Departments

Prof. Jaspal Singh Dali	Anaesthesiology, MAMC	up to 10.02.2018
Prof. Usha Saha	Anaesthesiology, LHMC	w.e.f. 11.02.2018
Prof. Anita Tuli	Anatomy, LHMC	up to 13.06.2017
Prof. Shashi Raheja	Anatomy, LHMC	w.e.f. 14.06.2017
Prof. Dinesh Puri	Department of Bio-Chemistry, UCMS	
Prof. A.K. Sharma	Department of Community Medicine, UCMS	
Prof. Ram Chander	Department of Dermatology & Venerology, LHMC	
Prof. K. K. Banerjee	Department of Forensic Medicine, LHMC	
Prof. S. K. Sharma	Department of Medicine, LHMC	
Prof. Sudha Prasad	Department of Obstt. & Gynae., MAMC	
Prof. Mukesh Kumar Kalra	Department of Orthopaedics, LHMC	
Prof. Arun Goyal	Department of Otolaryngology, UCMS	
Prof. Satendra Sharma	Department of Pathology, UCMS	
Prof. A. Ray	Department of Pharmacology, UCMS	up to 13.10.2017
Prof. Rachna Gupta	Department of Pharmacology, UCMS	w.e.f. 14.10.2017
Prof. Neelam Vaney	Department of Physiology, UCMS	
Prof. Sangita Yadav	Department of Pediatrics, MAMC	
Prof. M. S. Bhatia	Department of Psychiatry, UCMS	
Prof. Rama Anand	Department of Radiology, LHMC	
Prof. O. P. Pathania	Department of Surgery, LHMC	
Prof. Raj Kumar	Department of Pulmonary Medicine, VPCI	
Prof. V.P. Gupta	Department of Ophthalmology, UCMS	
Prof. Harpreet Grewal	Department of Dental Sciences, UCMS	
Prof. C. P. Baveja	Department of Microbiology, MAMC	

#### Statute – 9(3) (iii): All Professors of the Departments

##### Deptt. of Anaesthesiology

Prof. Rakesh Kumar	Maulana Azad Medical College
Prof. Usha Saha	Lady Hardinge Medical College
Prof. Ashok Kumar Saxena	University College of Medical Sciences
Prof. Medha Mohta	University College of Medical Sciences



Prof. Raktima Anand	Maulana Azad Medical College
Prof. Asha Tyagi	University College of Medical Sciences
Prof. (Mrs.) Poonam Bhadaria	Maulana Azad Medical College
Prof. Jaspal Singh Dali	Maulana Azad Medical College
Prof. Sujata Chaudhary	University College of Medical Sciences
Prof. Munisha Agarwal	Maulana Azad Medical College

#### Deptt. of Anatomy

Prof. Shashi Raheja	Lady Hardinge Medical College
Prof. Anita Tuli	Lady Hardinge Medical College
Prof. Renu Chauhan	University College of Medical Sciences
Prof. Sunita Kalra	University College of Medical Sciences

#### Deptt. of Bio-Chemistry

Prof. S. K. Bansal	V.P. Chest Institute
Prof. B. D. Banerjee	University College of Medical Sciences
Prof. Dinesh Puri	University College of Medical Sciences
Prof. (Ms.) S. B. Sharma	University College of Medical Sciences
Prof. (Mrs.) Rimi Shukla	University College of Medical Sciences
Prof. B. C. Koner	Maulana Azad Medical College
Prof. Rafat Ahmed	University College of Medical Sciences

#### Deptt. of Community Medicine

Prof. Suneela Garg	Maulana Azad Medical College
Prof. V.K. Gupta	Maulana Azad Medical College
Prof. Sanjay Chatruvedi	University College of Medical Sciences
Prof. S.K. Bhasin	University College of Medical Sciences
Prof. G.K. Ingle	Maulana Azad Medical College
Prof. Y.K. Bansal	Maulana Azad Medical College
Prof. Pragati Chhabra	University College of Medical Sciences
Prof. N. K. Saini	University College of Medical Sciences
Prof. A.K. Sharma	University College of Medical Sciences
Prof. Kamal Aggarwal	University College of Medical Sciences
Prof. O. P. Rajoura	University College of Medical Sciences
Prof. S. V. Singh	Maulana Azad Medical College
Prof. Nandini Sharma	Maulana Azad Medical College
Prof. Jyoti Khandekar	Lady Hardinge Medical College

#### Deptt. of Dental Science

Prof. Mahesh Verma	Maulana Azad Medical College
Prof. Namita Kalra	University College of Medical Sciences
Prof. Harpreet Grewal	University College of Medical Sciences
Prof. Sangeeta Talwar	Maulana Azad Institute of Dental Sciences
Prof. Tulika Tripathi	Maulana Azad Institute of Dental Sciences
Prof. Arundeeep Kaur	Maulana Azad Institute of Dental Sciences

#### Deptt. of Dermatology & V.D.

Prof. Archana Singhal	University College of Medical Sciences
Prof. Vijay Kumar	Maulana Azad Medical College
Prof. Ram Chander	Lady Hardinge Medical College
Prof. Deepika Pandhi	University College of Medical Sciences

Prof. Chander Grover	University College of Medical Sciences
<u>Deptt. of Forensic Medicine</u>	
Prof. Atul Murari	Lady Hardinge Medical College
Prof. N.K. Aggarwal	University College of Medical Sciences
Prof. K.K. Banerjee	University College of Medical Sciences
Prof. S.K. Verma	University College of Medical Sciences
Prof. A.K. Tyagi	University College of Medical Sciences
Prof. Anil Kohli	University College of Medical Sciences
Prof. G.K. Sharma	Lady Hardinge Medical College
<u>Deptt. of Microbiology</u>	
Prof. V.G. Ramachandran	University College of Medical Sciences
Prof. Ashwani Kumar	University College of Medical Sciences
Prof. Anita Chakravarti	Maulana Azad Medical College
Prof. C.P. Baveja	Maulana Azad Medical College
Prof. N.P. Singh	University College of Medical Sciences
Prof. Shukla Das Rudra	University College of Medical Sciences
Prof. Rumpa Saha	University College of Medical Sciences
Prof. B. L. Sherwal	Lady Harding Medical College
<u>Deptt. of Medicine</u>	
Prof. S.V. Madhu	University College of Medical Sciences
Prof. D.P. Bhadoria	Maulana Azad Medical College
Prof. Rajneesh Avasthi	University College of Medical Sciences
Prof. O.P. Kalra	University College of Medical Sciences
Prof. Sachin Kumar Jain	Lady Hardinge Medical College
Prof. S.K. Sharma	Lady Hardinge Medical College
Prof. Naresh Kumar Gupta	Lady Hardinge Medical College
Prof. Sunil Aggarwal	University College of Medical Sciences
Prof. M.P. Aggarwal	University College of Medical Sciences
Prof. M. K. Dagar	Maulana Azad Medical College
<u>Deptt. of Obstt. &amp; Gyanae</u>	
Prof. Sudha Prasad	Maulana Azad Medical College
Prof. Amita Suneja	University College of Medical Sciences
Prof. Neeraj Goel	University College of Medical Sciences
Prof. Usha Gupta	Lady Hardinge Medical College
Prof. Kiran Guleria	University College of Medical Sciences
Ms. Asmita Muthal Rathod	Maulana Azad Medical College
<u>Deptt. of Ophthalmology</u>	
Prof. V.P. Gupta	University College of Medical Sciences
Prof. B. Ghosh	Maulana Azad Medical College
Prof. Jolly Rohtagi	University College of Medical Sciences
Dr. Usha Yadav nee Mehta	Maulana Azad Medical College
<u>Deptt. of Orthopaedics</u>	
Prof. V.K. Gautam	Maulana Azad Medical College
Prof. Anil Kumar Dhall	Maulana Azad Medical College
Prof. Ajay Kumar Gupta	Maulana Azad Medical College
Prof. A.K. Jain	University College of Medical Sciences

Prof. Aditiya Nath Aggarwal	University College of Medical Sciences
Prof. Rehan Ul Haquae	University College of Medical Sciences
Prof. Manish Chandra	University College of Medical Sciences
Prof. Mukesh Kalra	Lady Hardinge Medical College

#### Deptt. of Otolaryngology (ENT)

Prof. Lakshmi Vaid	University College of Medical Sciences
Prof. T.S. Anand	Lady Hardinge Medical College
Prof. J.K. Sahni	Lady Hardinge Medical College
Prof. P.P. Singh	University College of Medical Sciences
Prof. Arun Goyal	University College of Medical Sciences
Prof. Neelima Gupta	University College of Medical Sciences

#### Deptt. of Paediatrics

Prof. N.B. Mathur	Maulana Azad Medical College
Prof. Piyush Gupta	University College of Medical Sciences
Prof. Satinder Aneja	Lady Hardinge Medical College
Prof. M.M.A. Faridi	University College of Medical Sciences
Prof. Manish Narang	University College of Medical Sciences
Prof. Perna Gupta	University College of Medical Sciences
Prof. Sunil Gomber	University College of Medical Sciences
Prof. Pooja Diwan	University College of Medical Sciences
Prof. K. Rajeshwari	Maulana Azad Medical College
Prof. Sangita Yadav	Maulana Azad Medical College
Prof. Jagdish Chandra	Lady Hardinge Medical College
Prof. A.P. Dubey	Maulana Azad Medical College
Prof. Arvind Shelly	Lady Hardinge Medical College
Prof. Subhasis Roy Choudhury	Lady Hardinge Medical College

#### Deptt. of Pathology

Prof. Meera Sikka	University College of Medical Sciences
Prof. Satendra Sharma	University College of Medical Sciences
Prof. Usha Rani Singh	University College of Medical Sciences
Prof. Navjeevan Singh	University College of Medical Sciences
Prof. Vinod Kumar Arora	University College of Medical Sciences
Prof. Sonal Sharma	University College of Medical Sciences
Prof. Mrinalini Kotru	University College of Medical Sciences
Prof. M. Chaudhary Lady	Hardinge Medical College

#### Deptt. of Pharmacology

Prof. Uma Tekur	Maulana Azad Medical College
Prof. A. Ray	V.P. Chest Institute
Prof. Rachna Gupta	University College of Medical Sciences
Prof. Seema Jain	University College of Medical Sciences
Prof. Vandana Roy	Maulana Azad Medical College
Prof. Harmeet Singh Rehan	Lady Harding Medical College

#### Deptt. of Physiology

Prof. Ajay Kumar Jain	Maulana Azad Medical College
Prof. K. Ravi	V.P. Chest Institute
Prof. Asha Gandhi	Lady Hardinge Medical College

Prof. Neelima Shankar	University College of Medical Sciences
Prof. Farah Khaliq	University College of Medical Sciences
Prof. V.P. Varshney	Maulana Azad Medical College
Prof. Neelam Vanay	University College of Medical Sciences
Prof. Asha Yadav	University College of Medical Sciences
<u>Deptt. of Psychiatry</u>	
Prof. M.S. Bhatia	University College of Medical Sciences
Prof. Shruti Srivastava	University College of Medical Sciences
<u>Deptt. of Pulmonary Medicine</u>	
Prof. Ashok Shah	V.P. Chest Institute
Prof. Raj Kumar	V.P. Chest Institute
<u>Deptt. of Radiology</u>	
Prof. Gopesh Mehrotra	University College of Medical Sciences
Prof. Rama Anand	Lady Hardinge Medical College
<u>Deptt. of Surgery</u>	
Prof. Ajay Kumar	Lady Hardinge Medical College
Prof. Sunil Kumar	University College of Medical Sciences
Prof. Sanjay Gupta	University College of Medical Sciences
Prof. Arun Gupta	University College of Medical Sciences
Prof. Naveen Sharma	University College of Medical Sciences
Prof. P.N. Aggarwal	Maulana Azad Medical College
Prof. M.P. Arora	Lady Hardinge Medical College
Prof. Om Prakash Pathania	Lady Hardinge Medical College
Prof. N.S. Hadke	Maulana Azad Medical College
Prof. Vivek Agrawal	University College of Medical Sciences
Prof. Iqbal Singh	University College of Medical Sciences
Prof. Anil Kumar Sarda	Maulana Azad Medical College
Prof. R.K. Jindal	Maulana Azad Medical College
Prof. Navneet Kaur	University College of Medical Sciences
Prof. B.K. Jain	University College of Medical Sciences
Prof. V.K. Ramtek	Lady Hardinge Medical College
Prof. Bina Ravi	Lady Hardinge Medical College

Statute 9 (3) (iv): One Associate Professor and one Assistant Professor by Rotation  
according to Seniority

Associate Professors

Dr. Sunita Kalra	Anatomy (UCMS)
Dr. Anup Kanase	Orthodontics (MAMC)
Dr. Romesh Lal	Surgery (LHMC)
Dr. (Mrs.) Deepika Pandhi	Dermatology & Venereology (UCMS)
Dr. Balkrishnan Menon	Tuberculosis (VPCI)
Dr. Debashish Choudhary	Medicine (LHMC)
Dr. Abha Singh	Obst. and Gynae (LHMC)
Dr. (Ms.) Anita Kotwani	Pharmacology (VPCI)

Dr. O.P. Rajoura	Community Medicine (UCMS)
<u>Assistant Professor</u>	
Dr. Sushir Kr. Jain	Surgery (MAMC)
Dr. Manoj Kumar	Medicine (LHMC)
Dr. Seema Garg	Bio-Chemistry (UCMS)
Dr. Mukta Rani	Forensic Medicine (LHMC)
Dr. Shilpi Gupta	Anatomy (UCMS)

## **MATHEMATICAL SCIENCES**

### Statute 9(3) (i): Dean

Prof. Prakash C. Jha

### Statute 9(3) (ii): Heads of the Departments

Prof. V. Ravichandran	Mathematics
Prof. Poonam Singh	Statistics
Prof. Prakash C. Jha	Operational Research
Dr. Vasudha Bhatnagar	Computer Science

### Statute 9(3) (iii): Professors other than Head of the Departments

Prof. Dinesh Singh	Mathematics
Prof. Ajay Kumar	Mathematics
Prof. C.S. Lalitha	Mathematics
Prof. Tarun Kumar Das	Mathematics
Prof. Ruchi Das	Mathematics
Prof. Chandra K Jaggi	Operational Research
Prof. Pankaj Gupta	Operational Research
Prof. Preeti Wanti Shrivastava	Operational Research
Prof. K. K. Aggarwal	Operational Research
Prof. Anu Gupta Aggarwal	Operational Research
Prof. Neelima Gupta	Computer Science
Prof. S. K. Muttoo	Computer Science
Prof. Naveen Kumar	Computer Science
Prof. Punam Bedi	Computer Science
Prof. Gurpreet Grover	Statistics
Prof. Ajit Chaturvedi	Statistics

### Statute 9(3) (iv): One Associate Professor and One Assistant Professor by Rotation according to Seniority

Dr. (Ms.) Ranjita Misra	Statistics
Dr. Lalit Kumar	Mathematics
Dr. Vusala Ambethkar	Mathematics
Dr. Ompal Singh	Operational Research
Dr. Aditi Khanna	Operational Research

Statute 9(3) (v): One Teacher concerned by Rotation according to Seniority from  
each College

Ms. Meera Sharma	Swami Shradhanand College
Dr. Suruchi Chawala	Shaheed Rajguru College of App. Sc. For Women
Dr. Kewal Kr. Arora	Rajdhani College
Ms. S. Narain	Jesus & Mary College
Ms. Monika Singh	Lady Shri Ram College of Women
Mr. A. S. Prajapati	A.R.S.D. College
Mrs. Saroj Gupta	Kamala Nehru College
Sh. Shrawan Kumar	Kirori Mal College
Mr. Manmohan Singh	College of Vocational Studies
Dr. Prashanto Chatterjee	St. Stephen's College
Ms. Seema Khera	Hindu College
Dr. Shiv Kumar Sahdev	Shivaji College
Ms. Neelu Sanghi	SGTB College
Ms. Aruna Jain	Bharti College
Dr. Narender Kumar	Aryabhatta College
Dr. Megha Agarwal	Ramanujan College
Dr. Dharmendra Kumar	Satyawati College (Eve.)
Dr. V. K. Tyagi	Shyam Lal College (Eve.)
Mr. Sanjay Mehra	Zakir Husain Delhi College
Sh. O.P. Agarwal	PGDAV College (Day)
Dr. Veena Budhraj	Sri Venkateswara College
Dr. Chaitanya Kumar	Delhi College of Arts & Commerce
Ms. Shipra Gupta	Moti Lal Nehru College
Ms. Kavita Rastogi	Shaheed Sukhdev College of Business Studies
Dr. (Ms.) Ritu Arora	Janki Devi Memorial College
Dr. (Ms.) Ritu Arora	Keshav Mahavidyalaya
Ms. Anu Chhabra	Lakshmibai College
Ms. Ramakant Prasad	Gargi College
Dr. (Ms.) Hema Banati	Dyal Singh College (Day)
Dr. (Ms.) Rajni Bala	Deen Dayal Upadhyay College
Ms. Vinay Trehan	Vivekananda College
Dr. Vandana Gupta	Kalindi College
Ms. Udit Aggarwal	P.G.D.A.V. College (Eve.)
Dr. Jyoti Trivedi	Deshbandhu College
Mrs. Harinderjit Kaur Chawla	Sri Guru Gobind Singh College of Commerce
Mrs. Amita Aggarwal	Hansraj College
Dr. Davinder Singh	Sri Aurobindo College
Dr. Suman Kr. Verma	School of Open Learning
Dr. Ragini Jindal	Bhaskaracharya College of Applied Sciences
Ms. Vanita Jain	Maharaja Agrasen College
Mr. Balram Kindra	Shyam Lal College
Ms. Geetan Manchanda	Maitreyi College
Mr. Gaurav Sharma	Acharya Narendra Dev College
Ms. Jagjit Kaur	Sri Guru Nanak Dev Khalsa College

Dr. Ritu Gupta	Miranda House
Ms. Jaya Gera	Shyama Prasad Mukherjee College
Dr. (Ms.) Rama Verma	Mata Sundri College for Women
Dr. (Ms.) Seema Joshi	Ram Lal Anand College
Ms. Tapshi Lal	Satyawati College
Ms. Anita Bansal	Ramjas College
Dr. (Ms.) Seema Khurana	Daulat Ram College
Mr. Vikas Chaudhary	Bhagini Nivedita College
Dr. (Ms.) Sarla Devi Bhardwaj	Bhim Rao Ambedkar College
Ms. Jyoti Varshney	Shaheed Bhagat Singh College
Dr. Vagisha Sharma	Indraprastha College for Women

## SOCIAL SCIENCES

### Statute 9(3) (i): Dean

Prof. (Mr.) V. K. Dixit

### Statute 9(3) (ii): Heads of the Departments

Prof. V. K. Dixit	Adult Continuing Education & Extension
Prof. Suresh Kumar	African Studies
Dr. Unita Sachidanand	East Asian Studies
Prof. T. C. A. Anant	Economics
Prof. S.C. Rai	Geography
Prof. Sunil Kumar	History
Prof. N.C. Behra	Political Science
Prof. Neera Agnimitra	Social Work
Prof. Roma Chatterji	Sociology

### Statute 9(3) (iii): All Professors of the Departments

Prof. Rajesh	Adult Continuing Education & Extension
Prof. J. P. Dubey	Adult Continuing Education & Extension
Prof. V. K. Dixit	Adult Continuing Education & Extension
Prof. Prakash Narayan	Adult Continuing Education & Extension
Prof. Suresh Kumar	African Studies
Prof. T. Prasad	African Studies
Prof. A.S. Yaruigam	African Studies
Prof. Sudhir A. Shah	Economics
Prof. Aditya Bhattacharjea	Economics
Prof. Ashwini Deshpande	Economics
Prof. Pami Dua	Economics
Prof. Sunil Kanwar	Economics
Prof. Santosh C. Panda	Economics
Prof. Rohini Somanathan	Economics

Prof. J.V. Meenakshi	Economics
Prof. Abhijit Banerji	Economics
Prof. Shreekant Gupta	Economics
Prof. Surender Kumar	Economics
Prof. Uday Bhanu Sinha	Economics
Prof. Ram Singh	Economics
Prof. R. B. Singh	Geography
Prof. S.C. Rai	Geography
Prof. Anu Kapur	Geography
Prof. S.Z.H. Jafri	History
Prof. Seema Alavi	History
Prof. B.P. Sahu	History
Prof. Amar Farooqui	History
Prof. Farhat Hasan	History
Prof. Kesavan Veluthat	History
Prof. Seema Bawa	History
Prof. Jaya S. Tyagi	History
Prof. Sunil Kumar	History
Prof. Upinder Singh	History
Prof. Veena Kukreja	Political Science
Prof. Bidyut Chakravarty	Political Sciences
Prof. Ujjwal Kumar Singh	Political Science
Prof. Rekha Saxena	Political Science
Prof. Satyajit Singh	Political Science
Prof. Ashok Acharya	Political Science
Prof. Madhulika Banerjee	Political Science
Prof. Sangit K. Ragi	Political Science
Prof. Sunil Kumar Chaudhary	Political Science
Prof. N. Sukumar	Political Science
Prof. Shri Prakash Singh	Political Science
Prof. Shanta N. Verma	Political Science
Prof. Navnita C. Behera	Political Science
Prof. Sanjeev Kumar H.M.	Political Science
Prof. Sanjay Bhatt	Social Work
Prof. Neera Agnimitra	Social Work
Prof. Sushma Batra	Social Work
Prof. Manoj Kumar Jha	Social Work
Prof. Pamela Singla	Social Work
Prof. Nandini Sundar	Sociology
Prof. Rajni Palriwala	Sociology
Prof. Meenakshi Thapan	Sociology
Prof. Tulsi Patel	Sociology
Prof. Roma Chatterji	Sociology
Prof. Satish Deshpande	Sociology
Prof. Abhijit Dasgupta	Sociology



Statute 9(3) (iv): One Associate Professor and one Assistant Professor by Rotation  
according to Seniority

Dr. Vandana Sisodia	Adult Continuing Education & Extension
Dr. Rashmi Kapoor	African Studies
Dr. Gajendra Singh	African Studies
Dr. Abanti Bhattacharya	East Asian Studies
Dr. (Ms.) Ranjana Narsimhan	East Asian Studies
Dr. Paresh Kumar	East Asian Studies
Mr. Sugata Bag	Economics
Dr. Paramjit	Economics
Dr. Netrananda Sahu	Geography
Dr. (Ms.) Anshu Malhotra	History
Dr. Prabhu Prasad Mohapatra	History
Dr. Rajesh Dev	Political Science
Dr. (Ms.) Sohini Guha	Political Science
Dr. Archana Kaushik	Social Work
Ms. Shashi Rani	Social Work
Dr. (Ms.) Sudha Vasan	Sociology
Dr. Kamei Aphun	Sociology

Statute 9(3) (v): One Teacher from each College by Rotation according to Seniority

Dr. Renu Gulati	Human Development Institute of Home Economics
Mrs. Harpreet Kaur	Shri Guru Gobind Singh College of Commerce
Sh. Harish Dhawan	Aryabhatta College
Ms. Saumya Shukla	Maharaja Agrasen College
Ms. Sandhya Varshney	Dyal Singh College
Dr. (Ms.) Manju Gupta	Swami Shraddhanand College
Mr. V. A. Rama Raju	Sri Venkateswara College
Ms. Santosh Aggarwal	Lakshmibai College
Mr. Jayesh Adeshra	Shaheed Bhagat Singh College
Dr. Rituranjan	Shri Ram College of Commerce
Ms. Surbhi Badhwar	Shyam Lal College (Eve.)
Dr. A. S. Lamba	Deshbhandhu College
Dr. Prabha Singhal	Satyawati College (Day)
Dr. A. S. Kokrady Malhotra	Hans Raj College
Mrs. Manju Pandey	Atma Ram Sanatan Dharam College
Dr. Mihir Pandey	Ramjas College
Mrs. Anjani K. Kochak	Lady Shri Ram College for Women
Dr. Devesh Vijay	Zakir Husain Delhi College
Dr. Partho Datta	Zakir Hussain Post Graduate Delhi College (Eve.)
Dr. Rajesh Kumar	Bhagini Nivedita College for Women
Dr. Pravin Kumar	Shyam Lal College (Day)
Dr. Tasneem Suhrawardy	St. Stephens' College
Dr. R. M. Bhardwaj	Deen Dayal Upadhyaya College
Dr. Asad Ahmed	SGTB Khalsa College

Dr. Manjushree Singh	Gargi College
Dr. Rakesh Kumar	Ram Lal Anand College
Ms. Shakti Madhok	Bharti College
Dr. Suranjita Ray	Daulat Ram College
Dr. V. K. Jha	Moti Lal Nehru College
Dr. Raghubir Singh	Sri Guru Nanak Dev Khalsa College
Dr. Anil Kr. Chauhan	Delhi College of Arts & Commerce
Dr. K. A. Singh	Atma Ram Sanatan Dharam College
Dr. (Ms.) Rajni Nanda Mathew	School of Open Learning
Dr. Rashmi Pant	I. P. College for Women
Sh. A. K. Singh	Dyal Singh College (Eve.)
Dr. Sunil Kumar	Shyam Lal College (Eve.)
Ms. T. Sachdeva	Jesus & Mary College
Dr. J. Pillai	Miranda College
Dr. (Ms.) Jasjit Kaur	Mata Sundri College for Women
Dr. Neelam Sood	Kamala Nehru College for Women
Dr. Basuki Nath Chaudhary	PGDAV College (Eve.)
Sh. G.P. Bairwa	Rajdhani College
Dr. Dinesh Yadav	Shivaji College
Dr. Anjoo Sharma	Kalindi College
Dr. Sadhna Arya	Satyawati College (Eve.)
Dr. Vishnu Priya	Maitreyi College
Dr. (Ms.) Laxmi R. Pillai	JDM College
Ms. Neerja Dhawan	SPM College
Dr. Shiv Shankar Awasthy	PGDAV College
Dr. Jagdish Chander	Hindu College
Dr. Sunita Behmani	Aditi Mahavidyalaya
Sh. Tila Kumar	Sociology
Ms. Nandini Oberoi	College of Vocational Studies
Dr. Inderjeet Dagar	College of Vocational Studies

#### Statute 9(3) (vi): Co-opted Members

Prof. Arunava Sen	Indian Statistical Institute, New Delhi.
Prof. Amrit Srinivasan	Indian Institute of Technology, New Delhi.
Prof. D.L. Sheth	C.S.D.C., Delhi.
Prof. Survinjit Mehta	Punjab University, Chandigarh.

### **APPLIED SOCIAL SCIENCES AND HUMANITIES**

Dr. Rajat Kathuria	Director and Chief Executive, ICRIER
Prof. Bishwanath Goldar	Ex-Professor, IEG, Delhi University
Prof. Alakh N. Sharma	Prof. & Director of the Institute for Human Development
Prof. P.K. Chaubey	Indian Institute of Public Administration
Prof. Indira Rajaraman	Member 13 <sup>th</sup> Finance Commission, Forward Professor National Institute of Public Finance (NIPFP)
Prof. Sunita Jaspal	Bhim Rao Ambedkar College
Prof. Shalini Prakash	Shaheed Sukhdev College of Business Studies
Prof. Rashmi Agrawal	Business Economics

Prof. V.K. Kaul	Head, Department of Business Economics
Dr. Yamini Gupta	Business Economics
Prof. Chander Mohan	Business Economics
Prof. Rakesh Shahani	Bhim Rao Ambedkar College
Prof. Anuja Mathur	Shaheed Sukhdev College of Business Studies

## EDUCATION

Dean under Statute 9(3) (i)

Prof. Namita Ranganathan

Head of the Department under Statute 9 (3) (ii)

Prof. Namita Ranganathan

All Professors of the Faculty under Statute 9 (3) (iii)

Prof. Shyam B. Menon

Prof. Poonam Batra

Prof. Anita Rampal

Prof. Sadhna Saxena

Representatives of the Department on the Faculty Statute 9(3) (iv)

Dr. Alka Behari

Mr. Sandeep Kumar

Representatives of the Colleges on Faculty Statute 9 (3) (v)

Dr. Rosily T. L.

Ms. Deepa Idnani

Ms. Tripti Bassi

Dr. Neelima Asthana

Dr. Neelam Mehta Bali

Ms. M. Sailaja

Dr. Nidhi Gulati

Dr. Meera Sood

Dr. Mukul Tiwari

Dr. Narendar Gaur

Ms. Prachi Kalra

Dr. Aarti Mathur

Dr. Punita Gupta

Co-opted members under Statute 9 (3) (vi)

Prof. Satya P. Gautam

Prof. Rukmini Bhaya Nair

Prof. Anjum Sibia

Dr. Ravi Kumar

Nominated by the Academic Council under Statute 9 (3) (vii)

Prof. Ravi K. Subramaniam

Prof. Nalini Juneja

Prof. Shoeb Abdullah

Prof. Parvin Sinclair

Dr. Parimala V. Rao

## INTER-DISCIPLINARY & APPLIED SCIENCES

### Internal Members

Prof. P.K. Burma (Chairperson)	Genetics
Prof. J.P. Khurana	Plant Molecular Biology
Prof. Akhilesh K. Tyagi	
Prof. Anil Grover	
Dr. Arun Kumar Sharma	
Dr. Surekha Katiyar Agrawal	
Prof. Girdhar K. Pandey	
Prof. Paramjit Khurana	
Prof. Indranil Dasgupta	
Prof. Sanjay Kapoor	
Prof. Saurabh Raghuvanshi	
Prof. Enakshi Sharma	Electronic Science
Prof. Avinashi Kapoor	
Prof. Mridula Gupta	
Dr. Mridula Gupta	
Dr. Kamlesh Patel	
Prof. M.V. Rajam	Genetics
Prof. B.K. Thelma	
Dr. Kaustuv Dutta	
Prof. A.K. Pradhan	
Prof. V.K. Chaudhary	Biochemistry
Prof. Suman Kundu	
Dr. Alo Nag	
Dr. Amita Gupta	
Dr. Garima Khare	
Prof. Rani Gupta	Microbiology
Prof. J.S. Virdi	
Prof. Swati Saha	
Dr. Rajeev Kaul	
Dr. Subhendu Ghosh	Biophysics
Dr. (Ms.) Manisha Goel	
Dr. Sandeep Tiwari	Physical Education

### External Members

Dr. Manjeet Madan (Phy. Edu.)	Shyama Prasad Mukherji College for Women
Dr. Natasha (Ele. Sci.)	Maharaja Agrasen College
Ms. Neelam Pahwa (Ele. Sci.)	Zakir Hussain Delhi College
Dr. Manoj Saxena (Ele. Sci.)	Deen Dyal Upadhyaya
Dr. Vinod Kr. Sharma (Ele. Sci.)	Keshav Mahavidyalaya
Ms. Preeti Singhal (Ele. Sci.)	Shaheed Raj Guru College of App. Science
Dr. (Ms.) Manju Pruthi (Ele. Sci.)	Sri Aurobindo College
Dr. Ravneet Kaur (Ele. Sci.)	Acharya Narendra Dev College
Dr. Shashi Chawla (Microbiology)	Gargi College
Dr. Ashima Vohra (Microbiology)	Institute of Home Economics
Dr. Kusum Rani Gupta (Microbiology)	Ram Lal Anand College

Dr. (Ms.) Renu Dutt (Microbiology)	Swami Shradhanand College
Dr. Rajni Jain (Biochemistry)	Deshbandhu College
Dr. Anita Sondhi (Biochemistry)	Bhaskaracharya College of Applied Science
Dr. (Ms.) K. Nirmala (Biochemistry)	Daulat Ram College
Dr. Sunita Singh (Biochemistry)	Shivaji College

## **MUSIC & FINE ARTS**

Prof. Suneera Kasliwal (Dean & Head) - Chairperson

### VC Nominee

Prof. Krishna Bisht  
Dr. Leela Omchery  
Prof. Paramjeet Singh  
Smt. Kamalini Dutt  
Pt. Bhajan Sopori

Prof. Meera Sarvanan, Principal, COA  
Prof. Anupam Mahajan  
Prof. Deepti Bhalla  
Prof. Alka Nagpal  
Prof. Rajeev Verma  
Prof. T.V. Manikanadan  
Prof. Prateek Choudhari  
Prof. P.B. Kannakumar  
Prof. Ojesh Pratap Singh  
Prof. Shailender Goswami  
Dr. Rajpal Singh

### College Faculty

Dr. Deepti Bansal, Daulat Ram College  
Dr. Shruti Kalra, SPM College  
Dr. Perna Arora, JDM College  
Dr. Krishna Choudhary, Lakshmibai College  
Dr. Renu Gupta, Kalindi College  
Dr. Suniti Datta, Aditi Mahavidyalaya  
Dr. Sunita Yajurvedi, Bharti College  
Dr. Deepa Varshney, Vivekananda College  
Dr. Vandana Sharma, Bhagini Nivedita College  
Dr. Renu Rajan, Sri Aurobindo College

## **MANAGEMENT STUDIES**

### Members of the Faculty of Management Studies

Prof. Sunita Singh Sengupta (Head & Dean)  
Prof. Raj S. Dhankar

Prof. M.L. Singla  
 Prof. Vivek Suneja  
 Prof. Madhu Vij  
 Prof. Simrit Kaur  
 Prof. Sunil Sharma  
 Prof. Preetam Khandelwal  
 Prof. Mala Sinha  
 Prof. A. Venkat Raman  
 Prof. Kavita Singh  
 Prof. Tanuja Agarwala  
 Prof. Harsh V. Verma  
 Prof. Pankaj Sinha  
 Prof. Debadyuti Das  
 Prof. Monica Singhania  
 Prof. Amit Bardhan

#### Associate Professor

Dr. Anupama Vohra  
 Dr. Garima Gupta

#### Assistant Professors

Mr. Narain  
 Dr. Anjala Kalsie  
 Dr. Mahima Thakur  
 Dr. Soma Dey

### COMMERCE & BUSINESS

Ms. Rupali Pabreja  
 Ms. Vijaya Sharma  
 Mr. Vinod Kumar Jain  
 Ms. Pushpa Kumari  
 Dr. Vandana Bansal  
 Dr. Sujit Kumar  
 Dr. Ragni Aggarwal  
 Dr. Anand Saxena  
 Mr. Manohar Lal  
 Mr. B.R. Sachdeva  
 Sh. M. C. Gupta  
 Mrs. Meeta Mathur  
 Ms. Ramanbir Bindra  
 Sh. N. K. Jain  
 Ms. Sangeeta Arora  
 Ms. Anita Banerji  
 Dr. (Mrs.) Chanchal Chopra  
 Dr. S. Kaistha  
 Dr. Seema Joshi  
 Dr. (Ms.) Anju Arora  
 Dr. Anjula Bansal  
 Mrs. Madhu Khanna  
 Dr. Savita Gopal  
 Mrs. Gayatri Verma  
 Mrs. Tajinder Kaur

Acharya Narendra Dev College  
 Aditi Mahavidyalaya  
 ARSD  
 Bhagini Nivedita College  
 Bharati College  
 Bhim Rao Ambedkar College  
 College of Vocational Studies  
 DDU  
 Delhi College of Arts & Commerce  
 Deshbandhu College  
 Dyal Singh College (Morning)  
 Daulat Ram  
 Gargi College  
 Hans Raj  
 Hindu College  
 IP  
 JDM  
 Jesus & Mary College  
 Kirori Mal College  
 Keshav Mahavidyalaya  
 Kalindi College  
 Kamla Nehru College  
 LSR  
 Lakshmibai College  
 Mata Sundri College for Women

Mr. Nirmala Chauhan	Maitreyi College
Pardeep Aggarwal	Motilal Nehru College
Dr. Soma Garg	Maharaja Agrasen College
Dr. Rajeshwar Kumar Sharma	P.G.D.A.V.
Dr. (Ms.) Renu Ganbhir	Rajdhani College
Dr. C. S. Dash	Aryabhatt College
Dr. P.C. Tulsian	Ramjas College
Mr. T.K. Mishra	Ramanujan College
Dr. Sudhir Kumar Goel	Satyawati College
Dr. B.B. Goenka	Shaheed Bhagat Singh (Eve)
Mrs. Naveen Dua	SGGSCC
Dr. Paramjeet Kaur	SGTB Khalsa
Sh. A.K. Malhotra	SGND Khalsa
Mrs. Suman Kharbanda	Shivaji
Dr. Ashok Sehgal	SRCC
Dr. Manjula Grover	SPM College
Dr. Satish Chandra	Shyamlal (Morning)
Dr. (Mrs.) Anjali Arora	Sri Aurobindo College
Dr. Mamta Arora	Sri Venkateswara College
Sh. N.K. Oberoi	Swami Shraddhanand College
Sh. Kunj Behari Gupta	SOL
Mrs. Radhika Srinivasan	Vivekanand College
Dr. R. Prabhakar Rao	Zakir Hussain Delhi College
Dr. R. S. Rana	Dyal Singh (Eve.)
Sh. Vijay Singh	Moti Lal (Eve.)
Dr. Ashok Kumar Gupta	PGDAV (Eve.)
Dr. Sunita Priyadarshani	Satyawati (Eve.)
Dr. Ramjas	Shaheed Bhagat Singh Evening
Dr. R. L. Gupta	Shyam Lal (Eve.)
Dr. R. S. Dhaliya	Aurobindo (Eve.)
Mr. S. C. Bhatia	Zakir Hussain Delhi College
Dr. Abha Shukla	Commerce
Dr. Nidhi Jain	Financial Studies
Prof. Sanjay K. Jain	Commerce
Prof. (Ms.) Kavita Sharma	Commerce
Prof. Madan Lal	Commerce
Prof. Reetesh Kumar	Commerce
Prof. Vijay Kumar Shrotrvia	Commerce
Prof. Ajay Kumar Singh	Commerce
Dr. (Ms.) Vanita Tripathi	Commerce
Prof. Muneesh Kumar	Financial Studies
Prof. Sanjay Sehgal	Financial Studies
Prof. Virendra Kumar Vasal	Financial Studies
Prof. C.P. Gupta	Financial Studies

## HOMEOPATHIC MEDICINE

### Statute 9 (3) (i)

Prof. Rachna Gupta	Dean
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### Statute 9 (3) (ii)

Dr. Sanjeev Rai	Principal, Nehru Homeopathic Medical College & Hospital
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Statute 9 (3) (vii)

Dr. V. K. Gupta	Ex-Principal, NHMC&H
Dr. C. B. Nayak	Ex-Director, CCRH
Dr. R. Kochhar	Principal, Dr. Lord Mahavir Homeopathic Medical College, Ludhiana
Dr. V. K. Chauhan	Professor, Dr. B.R. Sur Homeopathic Medical College & Hospital, New Delhi
Dr. Madhu Agarwal	Reader, NFSC, Dr. B.R. Sur Homeopathic Medical College & Hospital, New Delhi



## MEMBERS OF THE BOARD OF RESEARCH STUDIES

### ARTS

Chairperson:	Prof. Mohan
Vice-Chancellor Nominee	Prof. Ujjwal Singh, East Asian Studies

#### Deptt. of Arabic

Prof. Mohammad Nauman Khan	Head
Dr. Wali Akhtar	Professor
Dr. S. Hasnain Akhtar	Associate Professor
Dr. Mohammad Akram	Assistant Professor

#### Deptt. of Buddhist Studies

Prof. K.T.S. Sarao	Head
Prof. H.P. Gangnegi	Professor
Dr. I.N. Singh	Associate Professor
Dr. Dharmendra Kumar	Assistant Professor
Dr. R.R. Singhal	Associate Professor, Satyawati College (Eve)

#### Deptt. of English

Prof. Christel Rashmi Devadawson	Head
Prof. Anil Kumar Aneja	Professor
Dr. Rimli Bhattacharya	Associate Professor
Dr. Nandini Chandra	Assistant Professor

#### Deptt. of Germanic and Romance Studies

Prof. (Mrs.) Prof. Shaswati Mazumdar	Head
Dr. Farida Irani	Associate Professor
Dr. Ramesh Kumar	Assistant Professor
Dr. Dinesh Adlakha	Associate Professor, Jesus & Mary College

#### Deptt. of Hindi

Prof. Mohan	Head
Prof. Apoorvanand	Professor
Dr. Puran Chand Tandon	Associate Professor
Dr. Sneha Lata Negi	Assistant Professor
Dr. Vijaya Sati	Associate Professor, Hindu College

#### Deptt. of Library & Information Science

Prof. Mohan	Head
Dr. (Mrs.) Paramjeet K. Walia	Professor
Dr. M. Madhusudhan	Associate Professor

#### Deptt. of Modern Indian Language & Literary Studies

Dr. G. Rajagopal	Head
Prof. P.C. Pattanaik	Professor
Dr. V. Narayanappa	Assistant Professor

Dr. Sreemati Chakravarti	Associate Professor
<u>Deptt. of Linguistics</u>	
Prof. Tista Bagchi	Professor
Dr. Tanmoy Bhattacharya	Associate Professor
Dr. Chander Shekar Singh	Rajdhani College
<u>Deptt. of Persian</u>	
Prof. Aleem Ashraf Khan	Head
Prof. Chander Shekhar	Professor
Dr. Ali Akbar Shah	Assistant Professor
Dr. Jameel-ur-Rehman	Associate Professor, Zakir Hussain Delhi College
<u>Deptt. of Philosophy</u>	
Prof. H.S. Prasad	Head
Dr. Balaganapathi D.	Professor
Dr. Pragati Sahni	Associate Professor
Dr. Enakshi Mitra	Assistant Professor
Dr. Nisha Bala Tyagi	Associate Professor, Miranda House
<u>Deptt. of Psychology</u>	
Prof. Anand Prakash	Head
Prof. Swasti Shrimali Vohra	
Dr. Suneet Varma	Associate Professor
Dr. Alka Bajpai	Assistant Professor
Dr. Harjinder Kaur	Associate Professor
<u>Deptt. of Punjabi</u>	
Dr. Jaspal Kaur	Head
Prof. Manjit Singh	Professor
Dr. Nachhattar Singh	Assistant Professor
Dr. B.S. Chowhan	Associate Prof. S.G.N.D. Khalsa College
<u>Deptt. of Sanskrit</u>	
Prof. Sharda Sharma	Head
Prof. Ramesh C. Bhardwaj	Professor
Dr. Bhartendu Pandey	Associate Professor
Dr. Tek Chand Meena	Assistant Professor
Dr. Anju Seth	Associate Professor, Satyawati College
<u>Deptt. of Slavonic and Finno-Ugrian Studies</u>	
Dr. Neelakshi Suryanarayan	Head
Dr. Ranjana Saxena	Associate Professor
<u>Deptt. of Urdu</u>	
Prof. N.M. Kamal	Head
Prof. S. A. Karim (on leave)	Professor
Dr. Mushtaq Alam Qadri	Associate Professor
Dr. Nasra Sultana	Assistant Professor
Dr. Ayesha Sultana	Zakir Hussain Evening College

## TECHNOLOGY

Dean, Faculty of Technology

Nominee of the Vice-Chancellor

Prof. Enakshi Sharma

Heads of Departments

Prof. Harish Parthasarathy	Head, ECE, NSIT
Prof. Shampa Chakraverty	Head, COE, NSIT
Prof. Smriti Srivastava	Head, ICE, NSIT
Prof. Sachin Maheshwari	Head, MPAE, NSIT
Prof. A.K. Dubey	Head, BT, NSIT

One Professor from each department

Prof. Maneesha Gupta	Department of ECE
Prof. S. K. Dhurandhar	COE & IT
Prof. K. P. S. Rana	ICE
Prof. J. Jena	Applied Science & Humanities

One Reader from each department

Dr. Jyotsna Singh	ECE
Dr. S. K. Jha	MPAE
Dr. Sushma Nagpal	COE & IT
Dr. Rajneesh Sharma	ICE
Dr. Sanjeeve Thakur	Applied Science & Humanities

One Lecturer qualified to be supervisor(s) from each department

Dr. Yatender Kumar	Applied Science & Humanities
Dr. Umang Soni	MPAE
Dr. Pinaki Chakraborty	COE & IT
Dr. Bhavnesh Kumar	ICE
Dr. Kunwar Singh	ECE

Special Invitee

Prof. O. P. Thakur	Physics
Prof. Vinay Gupta	Mathematics
Dr. (Mrs.) Tanushree Choudhary	Humanities
Prof. M.P.S. Bhatia	COE

## SCIENCE

VC Nominee  
Dean

Prof. Pradeep K. Burma  
Prof. Maharaj K. Pandit

w.e.f. 09.06.2016

### Heads of the Departments

Prof. Sanjay Jain	Physics & Astrophysics
Prof. Ramesh Chandra	Chemistry
Prof. K. S. Rao	Botany
Prof. M. M. Chaturvedi	Zoology
Prof. A. K. Kapoor	Anthropology
Prof. Daman Saluja	B.R.A.C. for Biomedical Research
Prof. P.K. Sahoo	Pharmacy
Dr. (Ms.) Anupa Siddhu	Lady Irwin College
Prof. G.V. R. Prasad	Geology

### Professors

Prof. T. R. Seshadri	Physics and Astrophysics
Prof. Rita Kakkar	Chemistry
Prof. S.B. Babbar	Botany
Prof. D.K. Singh	Zoology
Prof. Anupam Chattopadhyay	Geology
Prof. G.K. Kshatriya	Anthropology
Prof. D. P. Pathak	Pharmacy
Prof. S. D. Biju	Environmental Studies
Prof. Vani Brahmchari	B.R.A.C. for Biomedical Research

### Associate Professors

Dr. Amarjeet Kaur	Physics & Astrophysics
Dr. R. K. Negi	Zoology
Dr. S. K. Singh	Geology
Dr. P. R. Mondal	Anthropology
Dr. Chirashree Ghosh	Environmental Studies
Dr. Bhanumathi Sharma	Lady Irwin College
Dr. N. Thirupathi	Chemistry
Dr. Sandip Das	Botany
Dr. Suresh Kumar	Botany

### Assistant Professors

Dr. Ashok Kumar	Physics and Astrophysics
Dr. Ratul Baishya	Botany
Dr. Manoj Kumar Singh	Anthropology
Dr. Vandana Mishra	Environmental Studies
Dr. Pramod Kumar	Geology
Dr. Shashank Shekhar	Geology
Dr. P. Venkatesh	Chemistry
Dr. Rajni Chopra	Institute of Home Economics
Dr. Rajni Mathur	Delhi Institute of Pharmaceutical, Science and Research
The Assistant Registrar (Science)	

## **MEDICAL SCIENCE**

### Dean

Chairperson	Prof. A. Ray	up to 13.10.2017
Chairperson	Prof. Rachna Gupta	w.e.f. 14.10.2017

### Heads of the Departments

Prof. Jaspal Singh Dali	Anesthesiology	up to 10.02.2018
Prof. Usha Saha	Anesthesiology	w.e.f. 11.02.2018
Prof. Anita Tuli	Anatomy, LHMC	up to 13.06.2017
Prof. Shashi Raheja	Anatomy, LHMC	w.e.f. 14.06.2017
Prof. Dinesh Puri	Bio-Chemistry, UCMS	
Prof. A. K. Sharma	Community Medicine, UCMS	
Prof. Ram Chander	Dermatology & Venerology, LHMC	
Prof. K. K. Banerjee	Forensic Medicine, UCMS	
Prof. C. P. Baveja	Microbiology, MAMC	
Prof. S.K. Sharma	Medicine, LHMC	
Prof. Sudha Prasad	Obst. & Gynae.	
Prof. V.P. Gupta	Ophthalmology, UCMS	
Prof. Mukesh Kr. Kalra	Orthopaedics, LHMC	
Prof. Arun Goyal	Otolaryngology, UCMS	
Prof. Sangita Yadav	Paediatrics, MAMC	
Prof. Satendra Sharma	Pathology, UCMS	
Prof. A. Ray	Pharmacology, VPCI	up to 13.10.2017
Prof. Rachna Gupta	Pharmacology, UCMS	w.e.f. 14.10.2017
Prof. V. P. Varshney	Physiology, MAMC	up to 19.12.2017
Prof. Neelam Vaney	Physiology, UCMS	w.e.f. 20.12.2017
Prof. M.S. Bhatia	Psychiatry, UCMS	
Prof. Raj Kumar	Pulmonary Medicine, VPCI	
Prof. Rama Anand	Radiology, LHMC	
Prof. O. P. Pathania	Surgery, LHMC	
Prof. Harpreet Grewal	Dental Science, UCMS	

### Heads of the Institutions/Colleges

Prof. Siddarh Ramji	Dean, Maulana Azad Medical College, New Delhi.
Dr. Rajiv Garg	Director, Lady Hardinge Medical College, New Delhi,
Prof. V.P. Gupta	Acting Principal, University College of Medical Sciences
Prof. Mahesh Verma	Principal, Maulana Azad Institute of Dental Sciences
Dr. Leela Pant	Medical Superintendent, Kasturba Hospital, Delhi.
Prof. Raj Kumar	Acting Director, V.P. Chest Institute, University of Delhi.
Dr. Archana Thakur	Director, GIPMER, G.B. Pant Hospital.
Dr. Nimesh G. Desai	Director, Institute of Human Behaviour & Allied Sciences, Shahdara, Delhi.
Prof. J.K. Das,	Director, National Institute of Health & Family Welfare, Munirka, New Delhi.

### Vice-Chancellor of Nominee

Prof. K. Natarajan,	Dr. B.R. Ambedkar Centre for Biomedical Research, North Campus, Delhi University.
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## **APPLIED SOCIAL SCIENCES AND HUMANITIES**

Prof. Ujjwal Singh	University Nominee
Prof. Rashmi Agrawal	Department of Business Economics
Dr. Ananya Ghosh Dastidar	Department of Business Economics

## INTERDISCIPLINARY AND APPLIED SCIENCES

Prof. P.K. Burma Dean, FIAS	Chairman
Prof. Vani Brahmachari, ACBR	VC's nominee
Prof. Paramjit Khurana	Ex-Officio Member, Head, Department of Plant Molecular Biology
Prof. Indramil Dasgupta	Professor, Department of Plant Molecular Biology
Dr. Saurabh Raghuvanshi	Associate Professor, Department of Plant Molecular Biology
Dr. Surekha Katiyar-Agarwal	Assistant Professor, Department of Plant Molecular Biology
Prof. Avinashi Kapoor	Head, Ex-officio Member, Department of Electronic Science
Prof. Enakshi K. Sharma	Professor, Department of Electronic
Dr. Harsupreet Kaur	Assistant Professor, Department of Electronic
Dr. Sunita A. Chhokra	Associate Professor (Rajdhani College)
Dr. P.K. Burma	Ex-officio Member, Department of Genetics
Prof. M. V. Rajam	Professor, Department of Genetics
Dr. Kaustuv Datta	Assistant Professor, Department of Genetics
Dr. Subhendu Ghosh	Head, Ex-officio Member, Department of Biophysics
Dr. Manish Kumar	Assistant Professor, Department of Biophysics
Prof. Rani Gupta	Head, Ex-officio Member, Department of Microbiology
Prof. Swati Saha	Professor (term till 01.07.2018), Department of Microbiology
Dr. Rajeev Kaul	Assistant Professor, Department of Microbiology
Dr. Rekha Gupta	Associate Professor, Gargi College
Head	Ex-Officio Member, Department of Biochemistry
Prof. Alo Nag	Professor, Department of Biochemistry
Dr. Amita Gupta	Associate Professor, Department of Biochemistry
Dr. Garima Khare	Assistant Professor, Department of Biochemistry
Dr. Neena R. Wadera	Associate Professor, Shivaji College
Dr. Sandeep Tiwari	Head, Ex-officio Member, Department of Physical Education and Sports Sciences
Dr. J. P. Sharma	Associate Professor (term till 03.05.2019), Department of Physical Education and Sports Sciences
Dr. Ekta Bhushan Satsangi	Assistant Professor, Department of Physical Education and Sports Sciences
Dr. Sanjeev Singh	Special Invitee, Department of IIC

## MUSIC & FINE ARTS

Prof. Suneera Kasliwal (Dean and Head)	Chairperson
Prof. Meenakshi Thapan	VC Nominee
Prof. Sushma Batra	VC Nominee

### Member

Dr. Meera Sarvanam, Principal, College of Art  
 Prof. Deepti Bhalla  
 Prof. Alka Nagpal  
 Prof. T.V. Manikandan  
 Prof. Ojesh Pratap Singh

Prof. Shelender Goswami  
 Dr. Ananya Kumar Dey  
 Dr. Surendra Nath Soren  
 Dr. Deepti Bansal, Daulat Ram College

## **SOCIAL SCIENCES**

Prof. V. K. Dixit (Dean) Chairperson

### Deptt. of Adult Education

Prof. V. K. Dixit Head  
 Prof. Prakash Narayan  
 Dr. Vandana Sisodia

### Deptt. of African Studies

Prof. Suresh Kumar Head  
 Prof. Tribhuwan Prasad  
 Dr. Gajendra Kumar  
 Dr. Rashmi Kapoor  
 Dr. Prahlad Kumar Bairwa

### Deptt. of East Asian Studies

Dr. Unita Sachidanand Head  
 Dr. Shreeparna Roy

### Deptt. of Economics

Prof. T.C.A. Anant Head  
 Prof. Sunil Kanwar  
 Dr. Uday Bhanu Sinha  
 Dr. Deepti Goel  
 Dr. Debkusum Das

### Deptt. of Geography

Prof. S.C. Rai Head  
 Dr. Anu Kapur  
 Dr. Anindita Datta  
 Dr. Anjan Sen  
 Dr. B.S. Dahiya

### Deptt. of History

Prof. Sunil Kumar Head  
 Prof. Upinder Singh  
 Prof. Seema Alavi  
 Dr. Shalini Shah  
 Dr. Aparna Balachandran  
 Dr. Radhika Chaddha

### Deptt. of Political Science

Prof. Navnita C. Behara Head  
 Prof. Shanta N. Verma  
 Dr. Nasreen Chowdhory  
 Dr. Ajay K. Mehra

#### Deptt. of Social Work

Prof. Neera Agnimitra	Head
Prof. Manoj Kumar Jha	
Dr. Sanjay Roy	
Dr. Seema Sharma	
Dr. Been Reji	

#### Deptt. of Sociology

Prof. Roma Chatterji	Head
Prof. Satish Deshpande	
Dr. Anuja Agrawal	
Dr. Shashi Bhushan Singh	
Ms. Manjula Saxena	

#### Vice Chancellor Nominees for BRS

Prof. Madhu Vij	Department of Management Studies
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### **MANAGEMENT STUDIES**

Prof. Sunita Singh Sengupta	Head & Dean
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#### V.C. Nominees

Prof. Kavita Sharma
Prof. Sunil Kanwar

#### Professors

Prof. Madhu Vij
Prof. Kavita Singh
Prof. Tanuja Agarwala

#### Associate Professors

Dr. Anupama Vohra
Dr. Garima Gupta

#### Assistant Professors

Dr. Soma Dey
Dr. Mahima Thakur

### **MATHEMATICAL SCIENCES**

Prof. P.C. Jha (Dean)	Chairman
Prof. H.P. Singh, Physics & Astrophysics	V.C. Nominee

#### Heads

Prof. V. Ravichandran	Head, Mathematics
Prof. Poonam Singh	Head, Statistics
Prof. P.C. Jha	Head, Operational Research
Prof. Vasudha Bhatnagar	Head, Computer Science

#### One Professor from each Deptt.

Prof. C. S. Lalitha	Mathematics	up to 31.10.2017
Prof. Ruchi Das	Mathematics	w.e.f. 01.11.2017



Prof. Jagdish Saran	Statistics	up to 31.10.2017
Prof. Ajit Chaturvedi	Statistics	w.e.f. 01.11.2017
Prof. Pankaj Gupta	Operational Research	
Prof. Neelima Gupta	Computer Science	

**One Associate Professor from each Deptt.**

Dr. Sachi Srivastava	Mathematics	up to 31.10.2017
Dr. V. Ambethkar	Mathematics	w.e.f. 01.11.2017
Dr. Gurprit Grover	Statistics	
Dr. Ompal Singh	Operational Research	

**One Assistant Professor from each Deptt.**

Dr. Anupama Panigrahi	Mathematics	up to 31.10.2017
Dr. Arvind Patel	Mathematics	w.e.f. 01.11.2017
Dr. Ranjita Pandey	Statistics	
Dr. Mukesh Kumar Mehlawat	Operational Research	up to 31.10.2017
Dr. Aditi Khanna	Operational Research	w.e.f. 01.11.2017

**One Associate Professor from the College**

Dr. Rita Johar	Kirorimal College	up to 31.10.2017
Dr. Neelam Malhotra	Hansraj College	w.e.f. 01.11.2017
Dr. Madhu Bala Jain	Lady Shri Ram College for Women	up to 31.10.2017
Dr. Sudhir Kapoor	Hindu College	w.e.f. 01.11.2017
Dr. Arpita Sharma	Deen Dayal Upadhyaya College	up to 31.10.2017
Dr. Archana Singha		w.e.f. 01.11.2017

## **LAW**

Prof. Ved Kumari	Head and Dean
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**VC Nominees**

Prof. V. K. Kaul  
Prof. Navnita Behera

**Members**

Prof. Usha Tandon  
Prof. V. K. Ahuja  
Dr. Kiran Gupta  
Dr. Alka Chawla  
Dr. Vageshwari Deswal  
Dr. Anju Vali Tikoo

## **EDUCATION**

Prof. Namita Ranganathan	Chairperson
Prof. S. C. Rai	Vice Chancellor's Nominee
Prof. Kanchana Natarajan	Vice Chancellor's Nominee
Prof. Poonam Batra	
Prof. Anita Rampal	
Dr. Pankaj Arora	
Dr. Vandana Saxena	
Dr. Yukti Sharma-Convenor	

Dr. M. Rajendran  
Dr. Veena Kapur-SPM College

### **COMMERCE & BUSINESS**

Prof. Kavita Sharma	Dean & Head, Department of Commerce	
Prof. Ajay Kumar Singh	Commerce	w.e.f 18.08.2017
Dr. Niti Bhasin	Commerce	w.e.f. 01.01.2018
Dr. Abha Shukla	Commerce	w.e.f 18.08.2017

Prof. Sanjay Sehgal	Head, Department of Financial Studies	
Prof. C.P. Gupta	Financial Studies	w.e.f. 18.08.2017
Dr. Amitabh Gupta	Financial Studies	

One Assistant Professor from the Colleges qualified to be Supervisor (s)

Dr. Sandhya Jain	Bharti College	w.e.f. 18.08.2017
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One member nominated by the Vice-Chancellor

Prof. M.L Singla

## EXECUTIVE COUNCIL AND UNIVERSITY REPRESENTATIVES ON THE GOVERNING BODY OF THE COLLEGES/HOSTELS

### NORTH CAMPUS

University Maintained Colleges

#### AGRICULTURAL ECONOMICS RESEARCH CENTRE

Prof. Pami Dua	Chairperson
Prof. Surender Kumar, Eco	Member
Prof. Abhijit Banerji, Eco	Member
Prof. P. K. Joshi, IFPRI, South Asia	Member
Prof. Suresh Pal, IARI	Member
Prof. Ashok Gulati, ICRIER	Member

#### Dr. B.R. AMBEDKAR CENTRE FOR BIO-MEDICAL RESEARCH

Prof. V. S. Chauhan, ICGEB	E.C. Nominee
Prof. Avadhesha Surolia, NII	E.C. Nominee

#### KIRORI MAL COLLEGE

Prof. Amitabh Mattoo	Chairman	
Shri Hemant Sharma	E.C.Nominee	up to 13.10.2017
Dr. Kirti Ranjan	E.C.Nominee	
Justice A.K. Patnaik	E.C.Nominee	
Dr. Nilika Mehrotra	E.C.Nominee	
Lt. Gen. I.J. Singh	E.C.Nominee	
Dr. M. Wali	E.C.Nominee	
Dr. Raj Kumar Bhatia	E.C.Nominee	

#### MIRANDA HOUSE

Prof. Paramjit Khurana, PMB	Chairperson
Mrs. Bhupinder Prasad	E.C.Nominee

#### SCHOOL OF OPEN LEARNING

Prof. C.S. Dubey	Director/Chairperson
Prof. Onkar Rai	E.C. Nominee
Prof. Namita Ranganathan	E.C.Nominee
Prof. M.M. Chaturvedi	E.C.Nominee
Prof. M.L. Singla	E.C. Nominee
Prof. Ramesh Bhardwaj	E.C. Nominee
Prof. H. S. Prasad	E.C.Nominee
Prof. Rajeev Gupta	E.C. Nominee

#### UNIVERSITY COLLEGE OF MEDICAL SCIENCES

Prof. J. P. Khurana	Chairman
Prof. C.S. Dubey	E.C. Nominee
Prof. K. Natarajan	E.C. Nominee

#### V.P. CHEST INSTITUTE

Prof. Rakesh Bhatnagar	Chairman
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Dr. Yogendra Singh	E.C. Nominee
Prof. M.K. Pandit	E.C. Nominee
Prof. V.K. Choudhary	E.C. Nominee

## DELHI GOVT.MAINTAINED COLLEGES

### ADITI MAHAVIDYALAYA

Prof. Neeta Sehgal	Zoology
Prof. Pamela Singla	Social Work

### BHAGINI NIVEDITA COLLEGE

Prof. Raj Kumar	English
Prof. Kumud Sharma	Hindi
Prof. Nandita Babu	Psychology

### BHARATI COLLEGE

Prof. Reetesh K. Singh	Commerce
Prof. S. C. Rai	Geography
Prof. Niranjana Kumar	Hindi

### BHASKARCHARYA COLLEGE OF APPLIED SCIENCES

Prof. Inderjeet Singh	Environmental Studies
Prof. Sudeshna Mazumdar	Botany

### DR. BHIM RAO AMBEDKAR COLLEGE

Prof. Sanjay Sehgal	Commerce
Prof. R. K. Seth	Zoology

### DEEN DAYAL UPADHYAYA COLLEGE

Prof. N.C. Pant	Geology
Prof. Brajesh Choudhary	Physics

### INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES

Prof. Veena Agrawal	Botany	up to 12.12.2017
Prof. V. K. Dixit	Adult Edu.	w.e.f. 01.02.2018
Prof. Harsh Vardhan	FMS	

### KALINDI COLLEGE

Prof. Rama Kant	Chemistry	up to 11.02.2018
Prof. P. C. Tandon	Hindi	w.e.f. 28.03.2018
Prof. B. P. Sahu	History	up to 22.01.2018
Prof. Anu Aggarwal	Operational Research	w.e.f. 28.03.2018

### KESHAV MAHAVIDYALAYA

Prof. Rita Singh	Zoology
Prof. Prakash Narain	Adult Education

### LAKSHMI BAI COLLEGE

Prof. S. B. Babbar	Botany	w.e.f. 29.03.2017
Prof. Sangit Ragi	Political Science	w.e.f. 18.02.2017

### MAHARAJA AGRASEN COLLEGE

Prof. J.S. Virdi	Microbiology	Resigned on 05.12.2017
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Prof. J. M. Khurana	Chemistry	w.e.f. 28.03.2018
Prof. Radhey Shyam Sharma	Environmental Studies	

#### **MAHARISHI VALMIKI COLLEGE OF EDUCATION**

Prof. Poonam Batra	Education	
Prof. Sunil Choudhary	Political Science	

#### **RAJDHANI COLLEGE**

Prof. Suresh Chand Rai	Geography	up to 26.11.2017
Prof. K. K. Aggarwal	Operational Research	w.e.f. 21.02.2018
Prof. V. P. Singh	Botany	up to 26.11.2017
Prof. Arun Jagannath	Botany	w.e.f. 21.02.2018

#### **SATYAWATI COLLEGE**

Prof. Neelima Gupta	Computer Science	up to 27.03.2018
Prof. S. K. Muttou	Computer Science	w.e.f. 28.03.2018
Prof. U. B. Sinha	Economics	Resigned on 23.06.2017
Prof. Ram Singh	Economics	Resigned on 19.03.2018
Prof. Ashok K. Prasad	Chemistry	w.e.f. 28.03.2018

#### **SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES**

Prof. P.C. Jha	Operational Research	
Prof. D.K. Singh	Zoology	

#### **SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES**

Prof. Pankaj Sinha	FMS	
Prof. Anil Rai	Hindi	up to 29.12.2017
Prof. Reetesh K. Singh	Commerce	w.e.f. 21.02.2018

#### **SHIVAJI COLLEGE**

Prof. Upinder Singh	History	up to 30.08.2017
Prof. Rita Kakkar	Chemistry	w.e.f. 01.02.2018
Prof. Ashok Prasad	Chemistry	up to 19.06.2017
Prof. Raja Gopal	Zoology	w.e.f. 12.07.2017

#### **S.P.M. COLLEGE FOR WOMEN**

Prof. Sudhir Shah	Economics	
Prof. Suresh Rai	Geography	up to 05.04.2017
Prof. V. Ravichandran	Mathematics	w.e.f. 17.05.2017

#### **SWAMI SHRADDHANAND COLLEGE**

Prof. Manu Agarwal	Botany	up to 31.07.2017
Prof. Sanjay Jain	Physics	w.e.f. 21.02.2018
Prof. Satish K. Awasthi	Chemistry	up to 21.07.2017
Prof. Shibnath Mazumdar	Zoology	w.e.f. 22.07.2017

#### **VIVEKANAND COLLEGE**

Prof. Anita Sharma	East Asian Studies	up to 13.02.2018
Prof. Veena Aggarwal	Botany	w.e.f. 28.03.2018
Prof. Satwanti Kapoor	Anthropology	up to 31.05.2017
Prof. Sharda Sharma	Sanskrit	w.e.f. 12.07.2017

## PRIVATE TRUST COLLEGES

### AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

Prof. P.C. Joshi	Anthropology
Prof. K. Natarajan	ACBR

### DAULAT RAM COLLEGE

Prof. Ujjwal Kr. Singh	Political Science
Prof. J. M. Khurana	Chemistry

### HANS RAJ COLLEGE

Prof. P.C. Pattanaik	MILLS
Prof. Madan Lal	Commerce

### HINDU COLLEGE

Prof. Debi P. Sarkar	Bio-Chemistry
Prof. Shashi Bhushan Babbar	Botany

### HOLY FAMILY COLLEGE OF NURSING

Prof. Sudha Prasad	MAMC	up to 05.11.2017
Prof. Sharmila Basu Modak	Zoology	w.e.f. 01.02.2018
Prof. B. K. Thelma	Genetics	

### I.P. COLLEGE

Prof. Prakash Narain	Adult Continuing Education & Ext.
Prof. Neeta Sehgal	Zoology

### JANKI DEVI MEMORIAL COLLEGE

Prof. P. P. Chakraborty	Geology
Prof. Swati Saha	Microbiology

### LADY IRWIN COLLEGE

Prof. Parbati Biswas	Chemistry
Prof. R. Geeta	Botany

### MATA SUNDRI COLLEGE FOR WOMEN

Prof. Manjit Singh	Punjabi	
Prof. Kavita Sharma	Commerce	up to 29.12.2017
Prof. Surender Kumar	Economics	w.e.f. 21.02.2018

### RAMJAS COLLEGE

Prof. M.K. Pandit	Environmental Studies
Prof. T. R. Seshadri	Physics

### SHRI RAM COLLEGE OF COMMERCE

Prof. D. K. Singh	Zoology	
Prof. S.M. Patnaik	Anthropology	up to 28.07.2017
Prof. Sunita Singh Sengupta	FMS	w.e.f. 13.04.2018

**SHYAM LAL COLLEGE**

Prof. Ashok K. Prasad	Chemistry	up to 26.11.2017
Prof. P. C. Joshi	Anthropology	w.e.f. 21.02.2018
Prof. C.K. Jaggi	Operational Research	up to 26.11.2017
Prof. Pankaj Gupta	Operational Research	w.e.f. 21.02.2018

**SRI GURU GOBIND SINGH COLLEGE OF COMMERCE**

Prof. Shashi Motilal	Philosophy	
Prof. Tanuja Agarwala	FMS	up to 15.10.2017
Prof. Mala Sinha	FMS	w.e.f. 21.02.2018

**S.G.T.B. KHALSA COLLEGE**

Prof. A.K. Kapoor	Anthropology
Prof. Sunil Kumar	History

**S.G.N.D. KHALSA COLLEGE**

Prof. Rupam Kapoor	Botany
Prof. J.S. Virdi	Microbiology

**ST. STEPHEN'S COLLEGE**

Prof. Chandan Kumar	Hindi	up to 12.12.2017
Prof. Akhilesh K. Tyagi	PMB	w.e.f. 28.03.2018
Prof. Avinash Khare	Physics	

**ZAKIR HUSAIN DELHI COLLEGE**

Prof. Prakash Jha	Operational Research
Prof. S.P. Singh	Political Science

**SCHOOL OF REHABILITATION SCIENCES**

Prof. S. K. Bansal	VPCI
Prof. Gopesh Mehrotra	Radiology, UCMS

**GOVERNMENT MAINTAINED COLLEGE****A & U TIBBIA COLLEGE**

Prof. M.M.A. Faridi	Paed., UCMS	up to 18.10.2017
Prof. Raj Kumar	VPCI	w.e.f. 01.02.2018
Prof. K. Natarajan	ACBR	

**CHACHA NEHRU BAL CHIKITSALYA**

Prof. Anju Shrivastava	Zoology
Prof. Nandita Babu	Psychology

**COLLEGE OF ART**

Prof. Anu Kapoor	Geography	up to 24.05.2017
Prof. Rani Gupta	Microbiology	w.e.f. 12.07.2017
Prof. Suneera Kasliwal	Music	

**COLLEGE OF NURSING (ARMY HOSPITAL)**

Prof. Sudha Prasad	MAMC
Prof. S.K. Bansal	VPCI

**NETAJI SUBHASH INSTITUTE OF TECHNOLOGY**

Prof. Ajay Kumar	Mathematics	
Prof. Paramjit Khurana	Plant Molecular Biology	up to 31.05.2017
Prof. V. Bhatnagar	Computer Science	

**RAJ KUMARI AMRIT KAUR COLLEGE OF NURSING**

Prof. Raj Kumar	VPCI	up to 17.10.2017
Prof. S. K. Bansal	VPCI	w.e.f. 15.11.2017
Prof. Daman Saluja	ACBR	

**DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION**

Prof. S.P. Singh	Political Science	up to 18.10.2017
Prof. H. M. Sanjeev Kumar	Political Science	w.e.f. 13.04.2018
Prof. Sanjai Bhatt	Social Work	

**INSTITUTE OF ECONOMIC GROWTH**

Prof. Aditya Bharracharjea	Economics
Prof. Sunil Kanwar	Economics

**LADY HARDINGE MEDICAL COLLEGE**

Prof. Suman Kundu	Bio-Chemistry	
Prof. Vani Brahmachari	ACBR	up to 17.02.2018
Prof. Mallikarjun Shakarad	Zoology	w.e.f. 21.02.2018

**UNIVERSITY MAINTAINED HOSTEL****AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN**

Prof. Nandita Babu	Chairperson
Prof. Sreemati Chakrabarti	E.C. Nominee
Prof. Suresh Kumar	SC/ST Representative

**CENTRAL INSTITUTE OF EDUCATION HOSTEL**

Prof. R. Geeta	E.C. Nominee
Prof. Seema Alavi	E.C. Nominee

**DEPARTMENT OF SOCIAL WORK HOSTEL**

Prof. Pami Dua	E.C. Nominee
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**D.S. KOTHARI HOSTEL**

Prof. H.S. Prasad	Chairman
Prof. Christel Devadawson	E.C. Nominee
Prof. R. Geeta	E.C. Nominee
Prof. S.C. Bhatla	E.C. Nominee
Prof. S.M. Patnaik	E.C. Nominee

**GWYER HALL**

Prof. M.L. Singla	Chairman
Prof. T. R. Sheshadri	E.C. Nominee
Prof. H.P. Singh	E.C. Nominee
Prof. G.V.R. Prasad	E.C. Nominee
Prof. V.P. Singh	E.C. Nominee



**INTERNATIONAL STUDENTS HOUSE**

Prof. Avinash Khare	Chairman
Prof. Vinod Kumar	E.C. Nominee
Prof. A.K. Kapoor	E.C. Nominee
Prof. Raj Kumar	E.C. Nominee
Prof. Seema Bawa	E.C. Nominee

**INTERNATIONAL STUDENTS' HOUSE FOR WOMEN**

Prof. S.M. Patnaik	Chairperson	up to 31.01.2018
Prof. (Ms.) S. Annapoorni	Interim Chairperson	w.e.f. 01.02.2018
Prof. Seema Bawa	E.C. Nominee	
Prof. (Ms.) S. Annapoorni	E.C. Nominee	
Prof. K. Sreenivas	E.C. Nominee	
Prof. Shormishtha Panja	E.C. Nominee	

**JUBILEE HALL**

Prof. Ashok Acharya	Interim Chairman
Prof. S.K. Rao	E.C. Nominee
Prof. Anil Aneja	E.C. Nominee
Prof. Sunil K. Chaudhary	E.C. Nominee
Prof. Ashok Acharya	E.C. Nominee

**MANSAROWAR HOSTEL**

Prof. S.C. Bhatla	Chairman
Prof. A.K. Kapoor	E.C. Nominee
Prof. Shashi B. Babbar	E.C. Nominee
Prof. Chandan Kumar	E.C. Nominee
Prof. A.G. Vedeshwar	E.C. Nominee

**MEGHDOOT HOSTEL**

Prof. Sushma Batra	Chairperson
Prof. Neeta Sehgal	E.C. Nominee
Prof. Madhu Vij	E.C. Nominee
Prof. Pami Dua	E.C. Nominee
Prof. Manjit Singh	E.C. Nominee

**NORTH EASTERN STUDENTS' HOUSE FOR WOMEN**

Prof. Madhu Vij	Chairperson
Prof. Kusum Agarwal	E.C. Nominee
Prof. R. Geeta	E.C. Nominee
Prof. Madhu Vij	E.C. Nominee
Prof. Christel Devadawson	E.C. Nominee

**P.G. MEN'S HOSTEL**

Prof. J.V. Meenakshi	E.C. Nominee
Prof. H.S. Prasad	E.C. Nominee
Prof. Manoj Jha	E.C. Nominee
Prof. Shri Prakash Singh	E.C. Nominee

**UNIVERSITY HOSTEL FOR WOMEN**

Prof. Vani Brahmachari	Chairperson
Prof. Paramjit Khurana	E.C. Nominee
Prof. Ujjwal Kr. Singh	E.C. Nominee
Prof. Tulsi Patel	E.C. Nominee

**V.K.R.V. RAO HOSTEL**

Prof. Avinash Khare	Chairman
Prof. M.M. Chaturvedi	E.C. Nominee
Prof. S.N. Gaur	E.C. Nominee
Prof. Vijay Kr. Shrotriya	E.C. Nominee
Prof. Brajesh C. Chaudhary	E.C. Nominee

**W.U.S. WORKING WOMEN'S HOSTEL**

Prof. Sreemati Chakrabarti	Chairperson	up to 31.01.2018
Prof. Minni Sawhney	Interim Chairperson	w.e.f. 01.02.2018
Prof. Tulsi Patel	E.C. Nominee	
Prof. Minni Sawhney	E.C. Nominee	

**RAJIV GANDHI HOSTEL FOR P.G. GIRLS**

Prof. Anand Prakash	Chairman
Prof. Raj Kumar	E.C. Nominee
Prof. Kusum Aggarwal	E.C. Nominee
Prof. Sadhna Saxena	E.C. Nominee
Prof. Anupam Mahajan	E.C. Nominee

**UNDER GRADUATE HOSTEL FOR GIRLS**

Prof. Anand Prakash	Chairman
Prof. Raj Kumar	E.C. Nominee
Prof. Kusum Aggarwal	E.C. Nominee
Prof. Sadhna Saxena	E.C. Nominee
Prof. Anupam Mahajan	E.C. Nominee

**South Campus****ATMA RAM SANATAN DHARMA COLLEGE**

Prof. Rajesh  
 Prof. Renu Deswal  
 Prof. Anju Srivastava  
 Prof. Sevi Murugavel

**DELHI COLLEGE OF ARTS AND COMMERCE**

Prof. C.P. Gupta  
 Prof. V. K. Dixit  
 Prof. Kavita Singh

**GARGI COLLEGE**

Prof. Pradeep Kumar Burma  
 Prof. Rajiv Gupta

**INSTITUTE OF HOME ECONOMICS**

Prof. Muneesh Kumar  
Prof. Manoj Kumar Jha  
Prof. Rupam Kapoor

**JESUS & MARY COLLEGE**

Prof. Ashwini Deshpandey  
Prof. Pami Dua  
Prof. Simrit Kaur  
Prof. Paramjit Khurana

**KAMALA NEHRU COLLEGE**

Prof. Anu Kapur  
Prof. Amit Kumar Bardhan  
Prof. Shormishtha Panja

**LADY SHRI RAM COLLEGE FOR WOMEN**

Prof. Punam Bedi  
Prof. M.K. Pandit

**MAITREYI COLLEGE**

Prof. Enakshi K. Sharma  
Prof. Anil Grover

**MOTILAL NEHRU COLLEGE**

Prof. Sanjay Kapoor  
Prof. (Ms.) Preetam Khandelwal

**P.G.D.A.V. COLLEGE**

Prof. Rina Chakraborty  
Prof. Renu Deswal  
Prof. Anupam Chattoipadhyay

**SHAHEED BHAGAT SINGH COLLEGE**

Prof. Mala Sinha  
Prof. Amit Kumar Bardhan  
Prof. Naveen Kumar

**SRI AUROBINDO COLLEGE**

Prof. A. G. Vedeshwar  
Prof. D.S. Rawat  
Prof. Chandan Chaube

**SRI VENKATESWARA COLLEGE**

Prof. S. C. Bhatia  
Prof. Swati Saha  
Prof. Amit Kumar Bardhan

**ACHARYA NARENDRA DEV COLLEGE**

Prof. Suman Kundu  
Prof. A. K. Pradhan  
Prof. Renu Deswal  
Prof. Nivedita Deo

**TOTAL STUDENTS ENROLMENT DATA**  
**2017-2018**

Number of Post-Graduate & Under-Graduate Students  
on rolls in the Faculty/Department and Colleges of the University  
For the Year 2017-2018

UNIVERSITY COLLEGES

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
1.	A. & U. TIBBIA COLLEGE	142	303	445	11	11	22	467
2.	A.R.S.D. COLLEGE	2266	1274	3540	67	72	139	3679
3.	ACHARYA NARENDRA DEV COLLEGE	1450	713	2163	7	8	15	2178
4.	BHARATI COLLEGE (W)	0	2381	2381	0	41	41	2422
5.	BHIM RAO AMBEDKAR COLLEGE	1817	1141	2958	0	0	0	2958
6.	SHAHEED RAJ GURU COLL. OF APP.SCS.(W)	0	1169	1169	0	0	0	1169
7.	COLLEGE OF ART	421	446	867	57	54	111	978
8.	SHAHEED SUKHDEV COLL.OF BUSINESS STUDIES	632	322	954	0	0	0	954
9.	DELHI INSTT. OF PHARMA. SC. & RESEARCH	64	83	147	0	0	0	147
10.	COLLEGE OF VOCATIONAL STUDIES	1805	943	2748	0	0	0	2748
11.	DAULAT RAM COLLEGE (W)	202	3953	4155	0	332	332	4487
12.	DEEN DAYAL UPADHYAYA COLLEGE	1281	1096	2377	0	0	0	2377
13.	DELHI COLLEGE OF ARTS & COMMERCE	1500	700	2200	0	0	0	2200
14.	NETAJI SUBHAS INSTITUTE OF TECHNOLOGY	2945	574	3519	109	48	157	3676
15.	DESHBANDHU COLLEGE	3010	1258	4268	118	71	189	4457
16.	DYAL SINGH COLLEGE	2874	2350	5224	18	13	31	5255
17.	GARGI COLLEGE (W)	0	4232	4232	0	110	110	4342
18.	HANS RAJ COLLEGE	2813	2108	4921	403	406	809	5730
19.	HINDU COLLEGE	1942	1099	3041	362	381	743	3784
20.	I.G.INST.OF PHY.EDU.& SPORTS Sc.	273	35	308	126	53	179	487
21.	I.P. COLLEGE (W)	0	2898	2898	0	368	368	3266
22.	INSTITUTE OF HOME ECONOMICS (W)	0	1427	1427	0	98	98	1525
23.	JANKI DEVI MEMORIAL COLLEGE (W)	0	2936	2936	0	192	192	3128
24.	JESUS & MARY COLLEGE (W)	0	3211	3211	0	105	105	3316
25.	KALINDI COLLEGE (W)	0	3620	3620	0	73	73	3693
26.	KAMALA NEHRU COLLEGE (W)	0	2548	2548	0	239	239	2787
27.	KIRORI MAL COLLEGE	3141	1403	4544	465	284	749	5293
28.	LADY HARDINGE MED. COLLEGE (W)	0	996	996	144	212	356	1352
29.	LADY IRWIN COLLEGE (W)	0	1023	1023	0	455	455	1478
30.	LADY SHRI RAM COLLEGE (W)	3	2739	2742	0	278	278	3020
31.	LAKSHMIBAI COLLEGE (W)	0	3826	3826	0	99	99	3925
32.	MAITREYI COLLEGE (W)	0	3541	3541	0	76	76	3617
33.	MATA SUNDRI COLLEGE (W)	0	3891	3891	0	142	142	4033
34.	MAULANA AZAD MEDICAL COLLEGE	767	480	1247	215	234	449	1696
35.	MIRANDA HOUSE (W)	0	3696	3696	0	563	563	4259
36.	MOTILAL NEHRU COLLEGE	2335	1253	3588	77	56	133	3721
37.	P.G.D.A.V. COLLEGE	2562	1453	4015	45	33	78	4093

38. R.A.K. COLLEGE OF NURSING (W)	0	256	256	2	46	48	304
39. RAJDHANI COLLEGE	2353	979	3332	65	43	108	3440
40. RAMLAL ANAND COLLEGE	1352	597	1949	9	12	21	1970
41. RAMJAS COLLEGE	3328	1908	5236	504	282	786	6022
42. S.G.T.B. KHALSA COLLEGE	1888	1396	3284	110	146	256	3540
43. SATYAWATI COLLEGE	3128	1446	4574	34	5	39	4613
44. SHAHEED BHAGAT SINGH COLLEGE	2315	970	3285	19	26	45	3330
45. SHIVAJI COLLEGE	2321	1476	3797	95	19	114	3911
46. SHYAM LAL COLLEGE	1806	1045	2851	19	6	25	2876
47. SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	2974	2974	0	176	176	3150
48. SRI AUROBINDO COLLEGE	2313	887	3200	17	5	22	3222
49. SRI G.G.S. COLLEGE OF COMMERCE	1178	953	2131	27	37	64	2195
50. SRI RAM COLLEGE OF COMMERCE	1205	1176	2381	107	110	217	2598
51. SRI VENKATESWARA COLLEGE	2103	1695	3798	185	136	321	4119
52. ST. STEPHEN'S COLLEGE	849	1334	2183	51	54	105	2288
53. SWAMI SHRADDHANAND COLLEGE	3158	1352	4510	20	11	31	4541
54. U.C.M.S. & G.T.B. HOSPITAL	687	174	861	182	181	363	1224
55. V.P. CHEST INSTITUTE	0	0	0	11	10	21	21
56. VIVEKANANDA COLLEGE (W)	0	2143	2143	0	66	66	2209
57. ZAKIR HUSAIN DELHI COLLEGE	2075	1164	3239	251	144	395	3634
58. NEHRU HOMOEOPATHIC MED.COL.& HOSPITAL	91	390	481	4	8	12	493
59. BHAGINI NIVEDITA COLLEGE (W)	0	1703	1703	0	0	0	1703
60. KESHAV MAHAVIDHALAYA	1138	600	1738	0	0	0	1738
61. ADITI MAHAVIDYALYA (W)	0	2045	2045	0	0	0	2045
62. MAHARAJA AGARSEN CO-ED. COLLEGE	1218	779	1997	0	0	0	1997
63. M.V. COLLEGE OF EDUCATION	0	0	0	110	86	196	196
64. BHASKARACHARYA COLL. OF APP. SCS.	793	316	1109	0	0	0	1109
65. SHRI GURU NANAK DEV KHALSA COLLEGE	1712	685	2397	18	26	44	2441

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Total (Day) :	71256	97564	168820	4064	6742	10806	179626
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66. AHILYA BAI COLLEGE OF NURSING	0	157	157	0	0	0	157
67. AMAR JYOTI INSTT. OF PHYSIOTHERAPY	16	89	105	4	15	19	124
68. PT.DEEN DAYAL INSTT. FOR THE PHY. HAND	162	341	503	0	0	0	503
69. DURGA BAI DESHMUKH COLLEGE	0	0	0	30	17	47	47
70. ARMY HOSPITAL COLLEGE OF NURSING	0	118	118	0	0	0	118
71. HOLLY FAMILY	0	250	250	0	46	46	296
72. MAULANA AZAD INSTITUTE OF DENTAL SCIENCE	52	71	123	19	35	54	177

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Total (Other Inst) :	230	1026	1256	53	113	166	1422
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73. RAMANUJAN COLLEGE	1701	873	2574	0	0	0	2574
74. DYAL SINGH COLLEGE (EVE.)	1740	871	2611	0	0	0	2611
75. MOTILAL NEHRU COLLEGE (EVE.)	1654	504	2158	0	0	0	2158

76. P.G.D.A.V. COLLEGE (EVE.)	1560	492	2052	0	0	0	2052
77. ARYABHATTA COLLEGE	1306	695	2001	0	0	0	2001
78. SATYAWATI COLLEGE (EVE.)	1993	644	2637	0	0	0	2637
79. SHAHEED BHAGAT SINGH COLLEGE (EVE.)	1523	673	2196	0	0	0	2196
80. SHYAM LAL COLLEGE (EVE.)	1140	429	1569	0	0	0	1569
81. SRI AUROBINDO COLLEGE (EVE.)	1464	464	1928	0	0	0	1928
82. ZAKIR HUSAIN P.G. EVENING COLLEGE	2551	648	3199	0	0	0	3199

Total (Eve) :	16632	6293	22925	0	0	0	22925
Total (College):	88118	104883	193001	4117	6855	10972	203973

UNIVERSITY FACULTY/DEPARTMENT/RECOGNISED INSTITUTIONS

S.No.	Faculty/Department	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
83.	DEPARTMENT OF ARABIC	355	95	450	46	1	47	497
84.	DEPARTMENT OF BUDDHIST STUDIES	0	0	0	321	135	456	456
85.	DEPARTMENT OF ENGLISH	0	0	0	49	89	138	138
86.	DEPARTMENT OF HINDI	9	3	12	206	176	382	394
87.	DEPARTMENT OF LIBRARY & INFORMATION SC.	0	0	0	73	92	165	165
88.	DEPARTMENT OF LINGUISTICS	0	0	0	39	77	116	116
89.	DEPARTMENT OF GERMANIC & ROMANCE STUDIES	306	242	548	49	116	165	713
90.	DEPARTMENT OF MODERN INDIAN LANGUAGE	22	8	30	55	101	156	186
91.	DEPARTMENT OF PERSIAN	217	70	287	34	22	56	343
92.	DEPARTMENT OF PHILOSOPHY	0	0	0	37	51	88	88
93.	DEPARTMENT OF PHILOSOPHY (SDC)	0	0	0	54	56	110	110
94.	DEPARTMENT OF PSYCHOLOGY	0	0	0	32	98	130	130
95.	DEPARTMENT OF PSYCHOLOGY (SDC)	0	0	0	8	56	64	64
96.	DEPARTMENT OF PUNJABI	138	60	198	38	44	82	280
97.	DEPARTMENT OF SANSKRIT	52	19	71	139	69	208	279
98.	DEPARTMENT OF URDU	226	173	399	142	46	188	587
99.	DEPARTMENT OF BUSINESS ECONOMICS (SDC)	0	0	0	92	52	144	144
100.	DEPTT.OF SLAVONIC & FINNO-UGRIAN STUDIES	354	140	494	31	31	62	556
101.	DEPARTMENT OF ADULT CONT. ED. & EXTN.	0	0	0	68	37	105	105
102.	DEPARTMENT OF AFRICAN STUDIES	0	1	1	52	27	79	80
103.	DEPARTMENT OF EAST ASIAN STUDIES	0	0	0	124	103	227	227
104.	DELHI SCHOOL OF JOURNALISM	86	30	116	0	0	0	116
105.	DEPARTMENT OF ECONOMICS	0	0	0	163	302	465	465
106.	DEPARTMENT OF GEOGRAPHY	0	0	0	152	104	256	256
107.	DEPARTMENT OF HISTORY	0	0	0	92	71	163	163
108.	DEPARTMENT OF HISTORY (SDC)	0	0	0	20	5	25	25

109. DEPARTMENT OF POLITICAL SCIENCE	0	0	0	104	91	195	195
110. DEPARTMENT OF SOCIAL WORK	0	0	0	138	126	264	264
111. DEPARTMENT OF SOCIOLOGY	0	0	0	92	167	259	259
112. CLUSTER INNOVATION CENTRE (CIC)	237	49	286	22	13	35	321
113. DEPARTMENT OF COMPUTER SCIENCE	0	0	0	143	123	266	266
114. DEPARTMENT OF MATHEMATICS	0	0	0	90	96	186	186
115. DEPARTMENT OF OPERATIONAL RESEARCH	0	0	0	21	43	64	64
116. DEPARTMENT OF STATISTICS	0	0	0	29	23	52	52
117. DEPARTMENT OF OPER. RESEARCH (SDC)	0	0	0	44	42	86	86
118. DEPARTMENT OF ANTHROPOLOGY	0	0	0	80	143	223	223
119. DEPARTMENT OF BOTANY	0	0	0	36	97	133	133
120. DEPARTMENT OF CHEMISTRY	0	0	0	92	143	235	235
121. DEPARTMENT OF GEOLOGY	0	0	0	49	30	79	79
122. DEPARTMENT OF HOME SCIENCE	0	0	0	0	138	138	138
123. DEPARTMENT OF PHARMACY	0	0	0	4	8	12	12
124. DEPARTMENT OF PHYSICS	0	0	0	118	76	194	194
125. DEPARTMENT OF ZOOLOGY	0	0	0	30	67	97	97
126. DR.B.R.A. CENTRE FOR BIO-MEDICAL (ACBR)	0	0	0	33	93	126	126
127. DEPARTMENT OF ENVIRONMENTAL STUDIES	0	0	0	92	58	150	150
128. DEPARTMENT OF BIO-CHEMISTRY (SDC)	0	0	0	14	36	50	50
129. DEPARTMENT OF ELECTRONIC SCIENCE (SDC)	0	0	0	96	52	148	148
130. DEPARTMENT OF GENETICS (SDC)	0	0	0	19	56	75	75
131. DEPARTMENT OF MICRO-BIOLOGY (SDC)	0	0	0	10	32	42	42
132. DEPTT. OF PLANT MOLECULAR BIOLOGY (SDC)	0	0	0	22	49	71	71
133. DEPTT. OF BIO-PHYSICS (SDC)	0	0	0	3	11	14	14
134. INSTT. OF INFORMATIC & COMMUNICA. (IIC)	0	0	0	65	31	96	96
135. DEPARTMENT OF PHY. EDU.	0	0	0	44	15	59	59
136. CAMPUS LAW CENTRE	0	0	0	1520	563	2083	2083
137. LAW CENTRE - I	0	0	0	1606	562	2168	2168
138. LAW CENTRE - II	0	0	0	1294	478	1772	1772
139. FACULTY OF LAW	0	0	0	186	124	310	310
140. Faculty of Medical Sciences	0	0	0	307	88	395	395
141. Faculty of Music & Fine Arts	0	0	0	61	108	169	169
142. Faculty of Management Studies	0	0	0	713	223	936	936
143. Faculty of Technology	0	0	0	67	83	150	150
144. Faculty of Education	0	0	0	166	354	520	520
145. DEPARTMENT OF COMMERCE	0	0	0	294	332	626	626
146. DEPARTMENT OF FINANCIAL STUDIES	0	0	0	63	28	91	91

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Total (Fac./Deptt./Centre) :	2002	890	2892	9883	6763	16646	19538
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Total (Regular) :	90120	105773	195893	14000	13618	27618	223511
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## UNIVERSITY NON-FORMAL CELL

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
148.	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	24713	24713	0	930	930	25643
149.	SCHOOL OF OPEN LEARNING	207793	195009	402802	978	1668	2646	405448
Total (Non-Formal):		207793	219722	427515	978	2598	3576	431091
Grand Total :		297913	325495	623408	14978	16216	31194	654602

Statement showing the Faculty-wise  
distribution of Students  
for the year 2017-2018

## UNDER-GRADUATE

Name of Faculty	REGULAR						NON-FORMAL						Total
	Day		Eve.& Part Time		Cert./Diploma		N.C.W.E.B.		S.O.L.				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
1. Arts	17119	32322	7902	3083	2383	2706	0	15346	127638	136498	0	0	344997
2. Ayur. & Unani-Medicine	142	303	0	0	0	0	0	0	0	0	0	0	445
3. Homoeopathic Medicine	91	390	0	0	0	0	0	0	0	0	0	0	481
4. Inter-Disciplinary	2003	1874	0	0	0	0	0	0	0	0	0	0	3877
5. Mathematical Sc.	5426	5268	512	74	0	0	0	0	0	0	0	0	11280
6. Medical Sc.	1506	1721	0	0	0	0	0	0	0	0	0	0	3227
7. Music & Fine Arts	543	535	0	0	9	4	0	0	0	0	0	0	1091
8. Science	13406	14778	0	0	0	0	0	0	0	0	0	0	28184

9. Social Science	9106	16772	2221	821	140	185	0	0	13125	14350	0	0	56720
10. App.Soc.Sc.& Humanities	1603	1169	208	68	518	295	0	0	0	0	0	0	3861
11. Commerce & Business	16311	19026	5789	2247	0	0	0	9367	67030	44161	0	0	163931
12. Technology	2945	574	0	0	0	0	0	0	0	0	0	0	3519
13. Education	0	1509	0	0	0	0	0	0	0	0	0	0	1509
14. Centres (ACBR,CIC,IIC)	237	49	0	0	0	0	0	0	0	0	0	0	286
Grand Total (U.G.)	70438	96290	16632	6293	3050	3190	0	24713	207793	195009	0	0	623408

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POST-GRADUATE

Name of Faculty	Non-Formal													Total
	Regular (Day)		Regular (Eve.)		Cert./Diploma		N.C.W.E.B.		S.O.L.					
	-----		& Part-Time		-----		-----		-----					
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
1. Arts	2215	3343	0	0	76	76	0	450	206	391	0	0	6757	
2. Ayur. & Unani-Medicine	11	11	0	0	0	0	0	0	0	0	0	0	22	
3. Inter-Disciplinary	334	304	0	0	3	17	0	0	0	0	0	0	658	
4. Mathematical Sc.	767	920	0	0	0	0	0	122	0	0	0	0	1809	
5. Medical Sc.	862	752	0	0	20	23	0	0	0	0	0	0	1657	
6. Homoeopathic Medicine	4	8	0	0	0	0	0	0	0	0	0	0	12	
7. Music & Fine Arts	152	169	0	0	16	43	0	0	0	0	0	0	380	
8. Science	1153	2015	0	0	24	119	0	0	0	0	0	0	3311	
9. Social Science	1630	1856	0	0	57	62	0	358	339	400	0	0	4702	
10. App.Soc.Sc.& Humanities	123	83	0	0	79	49	0	0	0	0	0	0	334	
11. Commerce & Business	528	744	0	0	25	19	0	0	433	877	0	0	2626	
12. Technology	176	131	0	0	0	0	0	0	0	0	0	0	307	

13. Education	306	787	0	0	0	0	0	0	0	0	0	0	1093
14. Law	2920	1136	1686	591	0	0	0	0	0	0	0	0	6333
15. Management	713	223	0	0	0	0	0	0	0	0	0	0	936
16. Centres (ACBR,CIC,IIC)	120	137	0	0	0	0	0	0	0	0	0	0	257
Grand Total (P.G.)	12014	12619	1686	591	300	408	0	930	978	1668	0	0	31194

Ph.D ON ROLLS  
FOR THE YEAR 2017-2018

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF ARABIC	28	1	29
DEPARTMENT OF BUDDHIST STUDIES	49	45	94
DEPARTMENT OF ENGLISH	19	33	52
DEPARTMENT OF HINDI	130	104	234
DEPARTMENT OF LIBRARY & INFORMATIO	21	18	39
DEPARTMENT OF LINGUISTICS	4	9	13
DEPARTMENT OF GERMANIC & ROMANCE S	5	18	23
DEPARTMENT OF MODERN INDIAN LANGUA	24	39	63
DEPARTMENT OF PERSIAN	7	6	13
DEPARTMENT OF PHILOSOPHY	19	32	51
DEPARTMENT OF PSYCHOLOGY	32	98	130
DEPARTMENT OF PUNJABI	20	22	42
DEPARTMENT OF SANSKRIT	107	55	162
DEPARTMENT OF URDU	91	31	122
Sub Total : (Arts)	556	511	1067

Faculty of App. Social Sc. & Humanities

DEPARTMENT OF BUSINESS ECONOMICS (	10	18	28
DEPTT.OF SLAVONIC & FINNO-UGRIAN S	6	9	15
Sub Total : (App. Social Sc.)	16	27	43

Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	10	8	18
DEPARTMENT OF AFRICAN STUDIES	22	15	37
DEPARTMENT OF EAST ASIAN STUDIES	22	21	43
DEPARTMENT OF ECONOMICS	15	33	48
DEPARTMENT OF GEOGRAPHY	31	26	57
DEPARTMENT OF HISTORY	60	43	103
DEPARTMENT OF POLITICAL SCIENCE	84	58	142
DEPARTMENT OF SOCIAL WORK	37	40	77
DEPARTMENT OF SOCIOLOGY	31	41	72
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Sub Total : (Social Sc.)	312	285	597
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Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	31	92	123
DEPARTMENT OF FINANCIAL STUDIES	7	14	21
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Sub Total:(Commerce & Business)	38	106	144
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Faculty of Mathematical Science

DEPARTMENT OF COMPUTER SCIENCE	11	37	48
DEPARTMENT OF MATHEMATICS	74	81	155
DEPARTMENT OF OPERATIONAL RESEARCH	8	26	34
DEPARTMENT OF STATISTICS	20	17	37
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Sub Total : (Mathematical Sc.)	113	161	274
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Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	23	55	78
DEPARTMENT OF BOTANY	31	91	122
DEPARTMENT OF CHEMISTRY	92	143	235
DEPARTMENT OF GEOLOGY	32	23	55
DEPARTMENT OF HOME SCIENCE	0	138	138
DEPARTMENT OF PHARMACY	4	8	12
DEPARTMENT OF PHYSICS	118	76	194
DEPARTMENT OF ZOOLOGY	24	57	81
DR.B.R.A. CENTRE FOR BIO-MEDICAL	15	30	45
DEPARTMENT OF ENVIRONMENTAL STUDIE	27	21	48
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Sub Total : (Science)	366	642	1008
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Faculty of Inter-disciplinary & App. Sc.

DEPARTMENT OF BIO-CHEMISTRY (SDC)	9	19	28
DEPARTMENT OF ELECTRONIC SCIENCE (	24	27	51
DEPARTMENT OF GENETICS (SDC)	13	37	50
DEPARTMENT OF MICRO-BIOLOGY (SDC)	4	17	21
DEPTT. OF PLANT MOLECULAR BIOLOGY	16	34	50
DEPTT. OF BIO-PHYSICS (SDC)	3	11	14
INSTT. OF INFORMATIC & COMMUNICATI	3	0	3
DEPARTMENT OF PHY. EDU.	44	15	59

Sub Total : (Inter-disciplinary)	116	160	276
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FACULTY OF LAW	47	52	99
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Sub Total : (Law)	47	52	99
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Faculty of Medicine

Faculty of Medical Sciences	35	17	52
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Sub Total : (Medicine)	35	17	52
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Faculty of Music & Fine Arts	27	49	76
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Sub Total : (Music & Fine Arts)	27	49	76
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Faculty of Management Studies	40	98	138
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Sub Total : (Management Stu.)	40	98	138
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Faculty of Technology

Faculty of Technology	67	83	150
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Sub Total : (Technology)	67	83	150
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Faculty of Education	30	91	121
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Sub Total : (Education)	30	91	121
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Grand Total :	1763	2282	4045
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Ph.D ADMITED  
FOR THE YEAR 2017-2018

Department	Male	Female	Total
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Faculty of Arts

DEPARTMENT OF ARABIC	11	1	12
DEPARTMENT OF BUDDHIST STUDIES	14	19	33
DEPARTMENT OF ENGLISH	6	5	11
DEPARTMENT OF HINDI	14	3	17
DEPARTMENT OF LIBRARY & INFORMATIO	2	6	8
DEPARTMENT OF LINGUISTICS	0	1	1
DEPARTMENT OF GERMANIC & ROMANCE S	0	0	0
DEPARTMENT OF MODERN INDIAN LANGUA	1	4	5
DEPARTMENT OF PERSIAN	1	1	2
DEPARTMENT OF PHILOSOPHY	7	7	14
DEPARTMENT OF PSYCHOLOGY	5	8	13
DEPARTMENT OF PUNJABI	6	9	15
DEPARTMENT OF SANSKRIT	15	8	23
DEPARTMENT OF URDU	15	9	24
Sub Total : (Arts)	97	81	178

Faculty of App. Social Sc. & Humanities

DEPARTMENT OF BUSINESS ECONOMICS (	0	5	5
DEPTT.OF SLAVONIC & FINNO-UGRIAN S	3	6	9
Sub Total : (App. Social Sc.)	3	11	14

Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	3	1	4
DEPARTMENT OF AFRICAN STUDIES	10	9	19
DEPARTMENT OF EAST ASIAN STUDIES	10	6	16
DEPARTMENT OF ECONOMICS	5	4	9
DEPARTMENT OF GEOGRAPHY	7	5	12
DEPARTMENT OF HISTORY	6	10	16
DEPARTMENT OF POLITICAL SCIENCE	19	11	30
DEPARTMENT OF SOCIAL WORK	23	16	39
DEPARTMENT OF SOCIOLOGY	5	6	11

Sub Total : (Social Sc.)	88	68	156
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#### Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	8	17	25
DEPARTMENT OF FINANCIAL STUDIES	0	3	3
Sub Total:(Commerce & Business)	8	20	28

#### Faculty of Mathematical Science

DEPARTMENT OF COMPUTER SCIENCE	0	2	2
DEPARTMENT OF MATHEMATICS	25	20	45
DEPARTMENT OF OPERATIONAL RESEARCH	8	8	16
DEPARTMENT OF STATISTICS	7	2	9
Sub Total : (Mathematical Sc.)	40	32	72

#### Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	6	17	23
DEPARTMENT OF BOTANY	1	5	6
DEPARTMENT OF CHEMISTRY	29	38	67
DEPARTMENT OF GEOLOGY	2	0	2
DEPARTMENT OF HOME SCIENCE	0	21	21
DEPARTMENT OF PHYSICS	17	17	34
DEPARTMENT OF ZOOLOGY	4	5	9
DR.B.R.A. CENTRE FOR BIO-MEDICAL	3	13	16
DEPARTMENT OF ENVIRONMENTAL STUDIE	5	5	10
Sub Total : (Science)	67	121	188

#### Faculty of Inter-disciplinary & App. Sc.

DEPARTMENT OF BIO-CHEMISTRY (SDC)	2	8	10
DEPARTMENT OF ELECTRONIC SCIENCE (	14	9	23
DEPARTMENT OF GENETICS (SDC)	1	8	9
DEPARTMENT OF MICRO-BIOLOGY (SDC)	0	4	4
DEPTT. OF PLANT MOLECULAR BIOLOGY	2	7	9
DEPTT. OF BIO-PHYSICS (SDC)	0	2	2
INSTT. OF INFORMATIC & COMMUNICATI	1	0	1
DEPARTMENT OF PHY. EDU.	9	2	11

Sub Total : (Inter-disciplinary)	29	40	69
FACULTY OF LAW	11	7	18
Sub Total : (Law)	11	7	18
Faculty of Medicine			
Faculty of Medical Sciences	11	2	13
Sub Total : (Medicine)	11	2	13
Faculty of Music & Fine Arts	6	10	16
Sub Total : (Music & Fine Arts)	6	10	16
Faculty of Management Studies	12	19	31
Sub Total : (Management Stu.)	12	19	31
Faculty of Technology	0	1	1
Sub Total : (Technology)	0	1	1
Faculty of Education	7	5	12
Sub Total : (Education)	7	5	12
Grand Total :	379	417	796



M.Phil. STUDENTS ENROLMENT  
FOR THE YEAR 2017-2018  
Onrolls

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF ARABIC	18	0	18
DEPARTMENT OF BUDDHIST STUDIES	39	13	52
DEPARTMENT OF ENGLISH	30	56	86
DEPARTMENT OF HINDI	35	17	52
DEPARTMENT OF LIBRARY & INFORMATIO	10	9	19
DEPARTMENT OF LINGUISTICS	5	12	17
DEPARTMENT OF GERMANIC & ROMANCE S	13	16	29
DEPARTMENT OF MODERN INDIAN LANGUA	8	28	36
DEPARTMENT OF PERSIAN	18	7	25
DEPARTMENT OF PHILOSOPHY	18	19	37
DEPARTMENT OF PUNJABI	18	22	40
DEPARTMENT OF SANSKRIT	32	14	46
DEPARTMENT OF URDU	36	11	47
Sub Total : (Arts)	280	224	504
Faculty of App. Social Sc. & Humanities			
DEPTT.OF SLAVONIC & FINNO-UGRIAN S	5	7	12
Sub Total : (App. Social Sc.)	5	7	12
Faculty of Social Science			
DEPARTMENT OF ADULT CONT. ED. & EX	12	10	22
DEPARTMENT OF AFRICAN STUDIES	30	12	42
DEPARTMENT OF ECONOMICS	3	2	5
DEPARTMENT OF GEOGRAPHY	21	16	37
DEPARTMENT OF HISTORY	32	28	60
DEPARTMENT OF POLITICAL SCIENCE	20	33	53
DEPARTMENT OF SOCIAL WORK	14	12	26
DEPARTMENT OF SOCIOLOGY	18	28	46
Sub Total : (Social Sc.)	150	141	291

Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	12	36	48
Sub Total : (Commerce & Busin.)	12	36	48

Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	16	15	31
DEPARTMENT OF OPERATIONAL RESEARCH	13	17	30
DEPARTMENT OF STATISTICS	9	6	15
Sub Total : (Mathematical Sc.)	38	38	76

Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	9	22	31
DEPARTMENT OF BOTANY	5	6	11
DEPARTMENT OF GEOLOGY	17	7	24
DEPARTMENT OF ZOOLOGY	6	10	16
Sub Total : (Science)	37	45	82

Faculty of Music & Fine Arts	18	22	40
Sub Total : (Music & Fine Arts)	18	22	40

Faculty of Education	15	57	72
Sub Total : (Education)	15	57	72
Grand Total :	555	570	1125

M.Phill ADMITED  
FOR THE YEAR 2017-2018

Department	Male	Female	Total
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Faculty of Arts

DEPARTMENT OF ARABIC	8	0	8
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DEPARTMENT OF BUDDHIST STUDIES	20	7	27
DEPARTMENT OF ENGLISH	16	29	45
DEPARTMENT OF HINDI	17	9	26
DEPARTMENT OF LIBRARY & INFORMATIO	5	7	12
DEPARTMENT OF LINGUISTICS	4	3	7
DEPARTMENT OF GERMANIC & ROMANCE S	6	12	18
DEPARTMENT OF MODERN INDIAN LANGUA	6	12	18
DEPARTMENT OF PERSIAN	11	2	13
DEPARTMENT OF PHILOSOPHY	11	10	21
DEPARTMENT OF PUNJABI	9	8	17
DEPARTMENT OF SANSKRIT	17	9	26
DEPARTMENT OF URDU	18	6	24
<hr/>			
Sub Total : (Arts)	148	114	262
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Faculty of App. Social Sc. & Humanities

DEPTT.OF SLAVONIC & FINNO-UGRIAN S	3	4	7
<hr/>			
Sub Total : (App. Social Sc.)	3	4	7
<hr/>			

Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	9	5	14
DEPARTMENT OF AFRICAN STUDIES	14	6	20
DEPARTMENT OF ECONOMICS	3	0	3
DEPARTMENT OF GEOGRAPHY	2	3	5
DEPARTMENT OF HISTORY	15	10	25
DEPARTMENT OF POLITICAL SCIENCE	10	16	26
DEPARTMENT OF SOCIAL WORK	7	5	12
DEPARTMENT OF SOCIOLOGY	7	15	22
<hr/>			
Sub Total : (Social Sc.)	67	60	127
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Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	5	20	25
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Sub Total:(Commerce & Business)	5	20	25
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Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	12	8	20
DEPARTMENT OF OPERATIONAL RESEARCH	8	10	18
DEPARTMENT OF STATISTICS	3	4	7
	-----		
Sub Total : (Mathematical Sc.)	23	22	45
	-----		

Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	3	7	10
DEPARTMENT OF BOTANY	3	4	7
DEPARTMENT OF GEOLOGY	4	3	7
DEPARTMENT OF ZOOLOGY	4	4	8
	-----		
Sub Total : (Science)	14	18	32
	-----		

Faculty of Music & Fine Arts	6	13	19
	-----		

Sub Total : (Music & Fine Arts)	6	13	19
	-----		

Faculty of Education	7	14	21
	-----		

Sub Total : (Education)	7	14	21
	-----		

Grand Total :	273	265	538
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Statement showing the course wise distribution  
of Under-Graduate Students (Nonformal) on rolls in  
School of Open Learning & in N.C.W.E.B  
in the Year 2017-2018

Under-Graduate Students (Nonformal)

S.No.	Subject	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
School of Open Learning													
1	B.A.PROGRAMME	43650	41716	85366	32950	33142	66092	48369	55830	*****	124969	130688	255657
2	B.COM.	19357	11280	30637	15429	10838	26267	22001	14989	36990	56787	37107	93894
3	B.COM. (HONS)	3915	2384	6299	3137	2257	5394	3191	2413	5604	10243	7054	17297
4	B.A. (H) ENGLISH	1329	2199	3528	720	1664	2384	620	1947	2567	2669	5810	8479
5	B.A. (H) POL.SCIENCE	5653	5537	11190	4263	4619	8882	3209	4194	7403	13125	14350	27475
Sub-Total :		73904	63116	137020	56499	52520	109019	77390	79373	156763	207793	195009	402802
Non-Collegiate Womens Educational Board													
6	B.A.PROGRAMME	0	6130	6130	0	6000	6000	0	3216	3216	0	15346	15346
7	B.COM.	0	3429	3429	0	3971	3971	0	1967	1967	0	9367	9367
Sub-Total :		0	9559	9559	0	9971	9971	0	5183	5183	0	24713	24713
Grand-Total :		73904	72675	146579	56499	62491	118990	77390	84556	161946	207793	219722	427515

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Statement showing the course wise distribution  
of Post-Graduate students (Nonformal) on rolls in  
School of Open Learning & in N.C.W.E.B.  
in the Year 2017-2018

Post-Graduate Students (Nonformal)

S.No.	Subject	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
School of Open Learning													
1	M.A. (HINDI)	81	168	249	94	184	278	0	0	0	175	352	527
2	M.A. (SANSKRIT)	24	18	42	7	21	28	0	0	0	31	39	70
3	M.A. (POLITICAL SCIENCE)	178	205	383	92	136	228	0	0	0	270	341	611

4	M.A. (HISTORY)	49	25	74	20	34	54	0	0	0	69	59	128
Total (M.A.):		332	416	748	213	375	588	0	0	0	545	791	1336
5	M.COM	255	420	675	178	457	635	0	0	0	433	877	1310
Sub-Total :		587	836	1423	391	832	1223	0	0	0	978	1668	2646
Non-Collegiate Womens Educational Board													
6	M.A. (ENGLISH)	0	105	105	0	94	94	0	0	0	0	199	199
7	M.A. (PHILOSOPHY)	0	4	4	0	6	6	0	0	0	0	10	10
8	M.A. (HINDI)	0	110	110	0	95	95	0	0	0	0	205	205
9	M.A. (PUNJABI)	0	12	12	0	16	16	0	0	0	0	28	28
10	M.A. (SANSKRIT)	0	4	4	0	4	4	0	0	0	0	8	8
11	M.A. (POLITICAL SCIENCE)	0	110	110	0	100	100	0	0	0	0	210	210
12	M.A. (HISTORY)	0	61	61	0	87	87	0	0	0	0	148	148
Total (M.A.):		0	406	406	0	402	402	0	0	0	0	808	808
13	M.Sc. (MATHEMATICS)	0	66	66	0	56	56	0	0	0	0	122	122
Sub-Total :		0	472	472	0	458	458	0	0	0	0	930	930
Grand-Total :		587	1308	1895	391	1290	1681	0	0	0	978	2598	3576

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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the course Wise distribution  
of Under-Graduate Students(Regular) on rolls  
in the Year 2017-2018

Under-Graduate (Regular)

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.A.PROGRAMME DAY	3360	5456	8816	3195	5371	8566	3056	4985	8041	0	0	0	0	0	0	9611	15812	25423
2	B.A.PROGRAMME EVE	2349	710	3059	1984	531	2515	1756	587	2343	0	0	0	0	0	0	6089	1828	7917
3	B.A. (VOCATIONAL STUDIES)	365	227	592	295	174	469	327	128	455	0	0	0	0	0	0	987	529	1516
4	B.Voc. (DAY)	0	179	179	0	184	184	0	0	0	0	0	0	0	0	0	0	363	363
5	B.Voc. (EVE)	69	23	92	103	37	140	0	0	0	0	0	0	0	0	0	172	60	232

6	B.A. (Hons.) DAY	5927	11374	17301	5199	10627	15826	5489	10947	16436	0	0	0	0	0	0	16615	32948	49563
7	B.A. (Hons.) EVE	1356	701	2057	1287	618	1905	1327	730	2057	0	0	0	0	0	0	3970	2049	6019
8	B.COM. (HONS) DAY	2877	3289	6166	3019	3569	6588	2743	3556	6299	0	0	0	0	0	0	8639	10414	19053
9	B.COM. (HONS) EVE	602	266	868	551	185	736	506	280	786	0	0	0	0	0	0	1659	731	2390
10	B.COM. DAY	2489	2785	5274	2740	2840	5580	2443	2987	5430	0	0	0	0	0	0	7672	8612	16284
11	B.COM. EVE	1469	499	1968	1416	467	1883	1245	550	1795	0	0	0	0	0	0	4130	1516	5646
12	B.MANAGEMENT STUDIES	301	184	485	172	115	287	149	123	272	0	0	0	0	0	0	622	422	1044
13	B.MANAGEMENT STUDIES EVE	73	19	92	27	16	43	0	0	0	0	0	0	0	0	0	100	35	135
14	B.F.I.A. (B.FIN. & INVEST	66	75	141	42	19	61	39	26	65	0	0	0	0	0	0	147	120	267
15	B.M.M.M.C. (B.MASS MEDIA &	0	52	52	0	47	47	0	50	50	0	0	0	0	0	0	0	149	149
16	B.Sc PHYSICAL SCIENCES	1702	548	2250	1392	568	1960	1226	575	1801	0	0	0	0	0	0	4320	1691	6011
17	B.Sc LIFE SCIENCES	401	978	1379	441	1007	1448	298	850	1148	0	0	0	0	0	0	1140	2835	3975
18	B.Sc APPLIED PHYSICAL SCI	356	205	561	310	181	491	306	154	460	0	0	0	0	0	0	972	540	1512
19	B.Sc APPLIED LIFE SCIENCE	19	24	43	18	12	30	16	10	26	0	0	0	0	0	0	53	46	99
20	B.Sc. (Hons.) DAY	5044	5446	10490	4472	4665	9137	3944	4491	8435	0	183	183	0	0	0	13460	14785	28245
21	B.Sc. (Hons.) EVE	240	38	278	230	29	259	42	7	49	0	0	0	0	0	0	512	74	586
22	B.SC.(G) MATH. SCIENCES	139	61	200	122	40	162	114	50	164	0	0	0	0	0	0	375	151	526
23	B.SC.(HOME SCIENCE)	0	482	482	0	411	411	0	381	381	0	0	0	0	0	0	0	1274	1274
24	POST BASIC B.Sc. NURSING	0	28	28	0	22	22	0	0	0	0	0	0	0	0	0	0	50	50
25	B.SC. (PHY. EDU. & HEALTH	97	10	107	94	13	107	82	12	94	0	0	0	0	0	0	273	35	308
26	B.ELEMENTARY EDUCATION	0	431	431	0	391	391	0	356	356	0	331	331	0	0	0	0	1509	1509
27	5 Yr INT. PROG. IN JOURNA	86	30	116	0	0	0	0	0	0	0	0	0	0	0	0	86	30	116
28	B.P.O.(B.PROSTHETICS & OR	10	20	30	10	17	27	12	11	23	13	15	28	0	0	0	45	63	108
29	B.O.T.(B.OCCUPATIONAL THE	15	40	55	8	31	39	11	36	47	16	38	54	0	0	0	50	145	195
30	B.P.T.(B.PHYSIOTHERAPY)	26	58	84	21	53	74	15	56	71	21	55	76	0	0	0	83	222	305
31	B.PHARMA	0	0	0	0	0	0	29	36	65	35	47	82	0	0	0	64	83	147
32	B.SC.(MEDICAL TECH.-RADIO	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42
33	B.F.A. (B. FINE ART)	114	110	224	90	119	209	94	109	203	114	104	218	0	0	0	412	442	854
34	B.A.M.S.	32	28	60	14	49	63	10	32	42	15	19	34	18	23	41	89	151	240
35	B.U.M.S.	10	35	45	12	39	51	10	30	40	9	24	33	12	24	36	53	152	205
36	B.H.M.S.	36	81	117	21	90	111	21	114	135	5	37	42	8	68	76	91	390	481
37	M.B.B.S.	262	338	600	285	317	602	284	326	610	293	318	611	299	340	639	1423	1639	3062
38	B.D.S.	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123
39	B.E.	851	101	952	765	158	923	721	147	868	608	168	776	0	0	0	2945	574	3519
40	B.Tech.(IT & Math. Innov	29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160
41	Other Cert./Diploma	3009	3171	6180	41	19	60	0	0	0	0	0	0	0	0	0	3050	3190	6240
Total :		33814	38139	71953	28426	33059	61485	26368	32756	59124	11751	1364	2539	337	455	792	90120	105773	195893

#### Post-Graduate (Regular)

S.No.	Subject	I YR			II YR			III YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	B.LIB.SC.	24	37	61	0	0	0	0	0	0	24	37	61
2	M.Lib. & INFORMATION Sc.	18	28	46	0	0	0	0	0	0	18	28	46
3	M.A. (DAY)	1477	2160	3637	1132	1926	3058	0	0	0	2609	4086	6695

4 M.COM	126	275	401	115	238	353	0	0	0	241	513	754
5 MBA (BUSINESS ECONOMICS)	43	23	66	39	11	50	0	0	0	82	34	116
6 MBA (FINANCIAL MANAGEMENT)	33	6	39	23	8	31	0	0	0	56	14	70
7 MBA (HUMAN RESOURCE DEVELOPMENT)	35	29	64	34	22	56	0	0	0	69	51	120
8 MBA (INTERNATIONAL BUSINESS)	54	17	71	58	7	65	0	0	0	112	24	136
9 MCA (MASTER OF COMPUTER APPLICATIO	32	16	48	29	14	43	25	18	43	86	48	134
10 M.Sc.	673	1035	1708	626	932	1558	0	0	0	1299	1967	3266
11 M.Sc.(App. Sc.)	70	60	130	50	50	100	0	0	0	120	110	230
12 M.Sc.Med. Imgg. Tech. Radio.	2	3	5	1	4	5	0	0	0	3	7	10
13 M. NURSING	1	46	47	1	46	47	0	0	0	2	92	94
14 M.F.A. (M. FINE ART)	28	20	48	29	28	57	0	0	0	57	48	105
15 M.TECH (MICROWAVE ELECT.)	25	4	29	12	8	20	0	0	0	37	12	49
16 B.ED.	113	233	346	102	240	342	0	0	0	215	473	688
17 B.ED. (SPECIAL EDUCATION)	19	36	55	11	38	49	0	0	0	30	74	104
18 M.Ed.(FULL TIME)	12	43	55	4	49	53	0	0	0	16	92	108
19 B.P.ED. (B.PHY. EDUCATION)	34	15	49	36	13	49	0	0	0	70	28	98
20 M.P.ED. (MASTER OF PHY. EDUCATION)	25	14	39	31	11	42	0	0	0	56	25	81
21 LL.B.	1887	591	2478	1291	479	1770	1242	533	1775	4420	1603	6023
22 LL.M.(TWO YEAR)	36	26	62	23	17	40	0	0	0	59	43	102
23 LL.M.(THREE YEAR)	33	12	45	24	9	33	20	8	28	77	29	106
24 M.C.L.(2 Yr.)	1	0	1	2	0	2	0	0	0	3	0	3
25 M.B.A.(FULL TIME)2 Yr.	181	41	222	187	35	222	0	0	0	368	76	444
26 M.B.A. EXECUTIVE 2 Yr.	138	14	152	125	14	139	0	0	0	263	28	291
27 M.B.A. EXECUTIVE (HCA)2 Yr.	20	13	33	22	8	30	0	0	0	42	21	63
28 MDS (M. IN DENTAL SURG)	6	12	18	7	11	18	6	12	18	19	35	54
29 M.Tech. (Full Time)	52	24	76	47	19	66	0	0	0	99	43	142
30 M.Tech (Part-Time)	3	2	5	2	1	3	5	2	7	10	5	15
31 MD (Ayurvedic Unani)	10	6	16	1	5	6	0	0	0	11	11	22
32 MD (Homoeopathic Med.	0	4	4	4	1	5	0	3	3	4	8	12
33 Ph.D Combined	1763	2282	4045	0	0	0	0	0	0	1763	2282	4045
34 M.PHIL	273	265	538	282	305	587	0	0	0	555	570	1125
35 DM/MCH	39	8	47	38	10	48	46	0	46	123	18	141
36 MEDICAL DEGREE	234	261	495	228	211	439	220	203	423	682	675	1357
37 MEDICAL DIPLOMA	5	9	14	15	14	29	0	0	0	20	23	43
38 Other Cert./Dip.	236	337	573	44	48	92	0	0	0	280	385	665

Total :

7761 8007 15768 4675 4832 9507 1564 779 2343 14000 13618 27618

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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the no. of students on rolls  
in Under-Graduate Certificate/Diploma courses in the  
University Colleges/Departments  
in the Year 2017-2018

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
-----										
A. DEPARTMENT										
-----										
1. Diploma										
-----										
1	DIP. IN ARABIC	107	16	123	0	0	0	107	16	123
2	DIP. IN ASSAMESE	1	1	2	0	0	0	1	1	2
3	DIP. IN HINDI	9	2	11	0	0	0	9	2	11
4	DIP. IN PUNJABI	6	6	12	0	0	0	6	6	12
5	DIP. IN PERSIAN	17	5	22	0	0	0	17	5	22
6	DIP. IN SANSKRIT	23	11	34	0	0	0	23	11	34
7	DIP. IN TELUGU	1	0	1	0	0	0	1	0	1
8	DIP. IN URDU	32	39	71	0	0	0	32	39	71
9	DIP. IN PORTGUESE	10	2	12	0	0	0	10	2	12
10	DIP. IN SWAHILI	0	1	1	0	0	0	0	1	1
11	DIP. IN BULGARIAN	3	1	4	0	0	0	3	1	4
12	DIP. IN CZECH	7	3	10	0	0	0	7	3	10
13	DIP. IN HUNGARIAN	4	2	6	0	0	0	4	2	6
14	DIP. IN POLISH	3	0	3	0	0	0	3	0	3
15	DIP. IN RUSSIAN	33	20	53	0	0	0	33	20	53
16	DIP. IN CROATION	7	2	9	0	0	0	7	2	9
-----										
Sub-Total (Diploma)		263	111	374	0	0	0	263	111	374
-----										
2. Advance Diploma										
-----										
17	ADVANCE DIPLOMA IN ARABIC	47	8	55	0	0	0	47	8	55
18	ADVANCE DIPLOMA IN HINDI	0	1	1	0	0	0	0	1	1
19	ADVANCE DIPLOMA IN PERSIAN	4	2	6	0	0	0	4	2	6
20	ADVANCE DIPLOMA IN URDU	30	39	69	0	0	0	30	39	69
21	ADVANCE DIPLOMA IN PORTUGUESE	11	3	14	0	0	0	11	3	14
22	ADVANCE DIPLOMA IN BENGALI	1	0	1	0	0	0	1	0	1
23	ADVANCE DIPLOMA IN CZECH	4	2	6	0	0	0	4	2	6
24	ADVANCE DIPLOMA IN HUNGARIAN	0	2	2	0	0	0	0	2	2
25	ADVANCE DIPLOMA IN POLISH	3	2	5	0	0	0	3	2	5

26	ADVANCE DIPLOMA IN RUSSIAN	39	7	46	0	0	0	39	7	46
Sub-Total (Adv. Diploma)		139	66	205	0	0	0	139	66	205
<hr/>										
3. Intensive Advance Diploma										
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27	INT. ADV. DIP. IN PORTUGUESE	28	11	39	0	0	0	28	11	39
28	INT. ADV. DIP IN RUSSIAN	9	4	13	0	0	0	9	4	13
29	INT. ADV. DIP IN BULGARIAN	57	27	84	0	0	0	57	27	84
Sub-Total (Int. Course)		94	42	136	0	0	0	94	42	136
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4. Certificate course										
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30	CERTIFICATE IN ARABIC	201	71	272	0	0	0	201	71	272
31	CERTIFICATE IN ASSAMESE	1	0	1	0	0	0	1	0	1
32	CERTIFICATE IN BENGALI	4	3	7	0	0	0	4	3	7
33	CERTIFICATE IN GUJRATI	4	2	6	0	0	0	4	2	6
34	CERTIFICATE IN PUNJABI	132	54	186	0	0	0	132	54	186
35	CERTIFICATE IN PERSIAN	196	63	259	0	0	0	196	63	259
36	CERTIFICATE IN SINDHI	2	1	3	0	0	0	2	1	3
37	CERTIFICATE IN SANSKRIT	29	8	37	0	0	0	29	8	37
38	CERTIFICATE IN TAMIL	7	1	8	0	0	0	7	1	8
39	CERTIFICATE IN TELUGU	1	0	1	0	0	0	1	0	1
40	CERTIFICATE IN URDU	164	95	259	0	0	0	164	95	259
41	CERTIFICATE IN PORTGUESE	55	13	68	0	0	0	55	13	68
42	CERTIFICATE IN BULGARIAN	25	1	26	0	0	0	25	1	26
43	CERTIFICATE IN CZECH	13	6	19	0	0	0	13	6	19
44	CERTIFICATE IN HUNGARIAN	13	6	19	0	0	0	13	6	19
45	CERTIFICATE IN POLISH	38	19	57	0	0	0	38	19	57
46	CERTIFICATE IN RUSSIAN	88	34	122	0	0	0	88	34	122
47	CERTIFICATE IN CROATION	8	2	10	0	0	0	8	2	10
Sub-Total (Certificate)		981	379	1360	0	0	0	1075	421	1496
Total (Cert./Diploma/Course)		1477	598	2075	0	0	0	1477	598	2075
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## B. COLLEGES

### 1. Diploma

1	DIP. IN FRENCH	75	192	267	0	0	0	75	192	267
2	DIP. IN GERMAN	67	166	233	0	0	0	67	166	233
3	DIP. IN SPANISH	57	103	160	0	0	0	57	103	160
4	DIP. IN CHINESE	6	22	28	0	0	0	6	22	28
5	DIP. IN JAPANESE	5	18	23	0	0	0	5	18	23

6	DIP. IN FINE ART	4	0	4	5	4	9	9	4	13
7	DIP. IN BUSINESS JOUR. & CORP.	18	27	45	0	0	0	18	27	45
8	DIP. IN CONFLICT TRANSFORM. & P	3	31	34	0	0	0	3	31	34

Sub-Total (Diploma)		235	559	794	5	4	9	240	563	803
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## 2. Advance Diploma

9	ADVANCE DIPLOMA IN FRENCH	38	74	112	0	0	0	38	74	112
10	ADVANCE DIPLOMA IN GERMAN	66	98	164	0	0	0	66	98	164
11	ADVANCE DIPLOMA IN ITALIAN	8	5	13	0	0	0	8	5	13
12	ADVANCE DIPLOMA IN SPANISH	17	41	58	0	0	0	17	41	58
13	ADVANCE DIPLOMA IN TELE. & NEW	36	12	48	36	15	51	72	27	99

Sub-Total (Adv. Diploma)		165	230	395	36	15	51	201	245	446
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## 3. Certificate course

14	CERTIFICATE IN FRENCH	284	584	868	0	0	0	284	584	868
15	CERTIFICATE IN GERMAN	340	562	902	0	0	0	340	562	902
16	CERTIFICATE IN ITALIAN	28	30	58	0	0	0	28	30	58
17	CERTIFICATE IN PUNJABI	5	2	7	0	0	0	5	2	7
18	CERTIFICATE IN SANSKRIT	5	13	18	0	0	0	5	13	18
19	CERTIFICATE IN SPANISH	264	372	636	0	0	0	264	372	636
20	CERTIFICATE IN URDU	7	7	14	0	0	0	7	7	14
21	CERTIFICATE IN JAPANESE	51	66	117	0	0	0	51	66	117
22	CERTIFICATE IN CHINESE	56	62	118	0	0	0	56	62	118
23	CERTIFICATE IN KOREAN	21	16	37	0	0	0	21	16	37
24	CERTIFICATE IN RUSSIAN	71	70	141	0	0	0	71	70	141

Sub-Total (Certificate)		1132	1784	2916	0	0	0	1132	1784	2916
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Total (Cert./Diploma/Course)		1532	2573	4105	41	19	60	1573	2592	4165
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Grand-Total (Cert./Diploma/Course)		3009	3171	6180	41	19	60	3050	3190	6240
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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the no. of Students on rolls  
in Post-graduate Certificate/Diploma course in the  
University Colleges/Departments  
for the year 2017-2018

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
A. DEPARTMENT										
1. Diploma										
1	DIP. IN PALI	6	9	15	0	0	0	6	9	15
2	DIP. IN TIBETAN	5	1	6	0	0	0	5	1	6
3	DIP. IN SANGEET SIROMANI (HINDUSTAN	8	14	22	3	17	20	11	31	42
4	DIP. IN SANGEET SIROMANI (KARNATAKA	3	3	6	2	3	5	5	6	11
Sub-Total (Diploma)		22	27	49	5	20	25	27	47	74
2. P.G. Intensive Diploma										
5	1 YR. PG INT. DIP. IN CHINESE	13	21	34	0	0	0	13	21	34
6	1 YR. PG INT. DIP. IN JAPANESE	20	14	34	0	0	0	20	14	34
7	1 YR. PG INT. DIP. IN KOREAN	12	13	25	0	0	0	12	13	25
Sub-Total (Int. Adv. Dip.)		45	48	93	0	0	0	45	48	93
3. Post M.A. Diploma										
8	POST M.A.DIP.IN LINGUISTICS	3	1	4	0	0	0	3	1	4
9	POST M.A.DIP.IN MASS MEDIA	14	4	18	0	0	0	14	4	18
10	POST M.A.DIP.IN URDU PALEOGRAPHY	1	0	1	0	0	0	1	0	1
11	POST M.A.DIP.IN PERSIAN TRANSLATION	0	2	2	0	0	0	0	2	2
Sub-Total (Post M.A. Diploma)		18	7	25	0	0	0	18	7	25

#### 4. P.G. Diploma

12	P.G.DIP.IN TRANSLATION (ENG-HINDI)	22	35	57	0	0	0	22	35	57
13	P.G.DIP.IN HINDI JOURNALISM	19	20	39	0	0	0	19	20	39
14	P.G.DIP. MED. SC.-OTHER INST.	4	0	4	5	3	8	9	3	12
Sub-Total (P.G. Diploma)		45	55	100	5	3	8	50	58	108

#### 5. Certificate course

15	CERTIFICATE IN PALI	3	2	5	0	0	0	3	2	5
16	CERTIFICATE IN TIBETAN	3	2	5	0	0	0	3	2	5
17	CERTIFICATE IN FORENSIC SCIENCE	10	12	22	0	0	0	10	12	22
Sub-Total (Certificate)		16	16	32	0	0	0	16	16	32

#### 6. P.G. Intensive Advanced Diploma

18	1 YR. PG INT. ADV. DIP. IN KOREAN	0	6	6	0	0	0	0	6	6
19	1 YR. PG INT. ADV. DIP. IN CHINESE	3	2	5	0	0	0	3	2	5
20	1 YR. PG.INT. ADV. DIP. IN JAPANESE	9	6	15	0	0	0	9	6	15
Sub-Total (Post Int. Adv. Dip.)		12	14	26	0	0	0	12	14	26
Total (Cert./Diploma/Course)		158	167	325	10	23	33	168	190	358

### B. COLLEGES

#### 1. Diploma

21	DIP. IN DIETETICS & PUB HEALTH NUT.	0	32	32	0	0	0	0	32	32
Sub-Total (Diploma)		0	32	32	0	0	0	0	32	32

#### 2. P.G. Diploma

22	P.G. DIPLOMA IN FINE ARTS	0	3	3	0	3	3	0	6	6
23	P.G. DIP. IN INTERNATIONAL MARKETIN	25	19	44	0	0	0	25	19	44
24	P.G. DIP. IN GLOBAL BUSINESS OPERAT	40	24	64	39	25	64	79	49	128
25	P.G.DIP.IN ANAESTHESIOLOGY (D.A.)	0	2	2	5	2	7	5	4	9
26	P.G.DIP.IN DERMAT.& VENEREOLOGY (DD	0	1	1	0	1	1	0	2	2
27	P.G.DIP.IN RADIO-DIAGNOSIS (DMRD)	0	1	1	1	0	1	1	1	2
28	P.G.DIP.IN OBSTT.& GYNAECOLOGY (DGO	0	4	4	0	4	4	0	8	8

29	P.G.DIP.IN OPHTHALMOLOGY (D.O.)	0	1	1	2	2	4	2	3	5
30	P.G.DIP.IN OTORHINOLARYNGOLOGY (DLO	0	0	0	0	1	1	0	1	1
31	P.G.DIP.IN PAEDIATRICS (DCH)	1	0	1	2	1	3	3	1	4
32	P.G. DIP. FORENSIC SCIENCE	14	42	56	0	0	0	14	42	56
33	P.G. DIP. HEALTH & SOCIAL GERONTOLO	0	9	9	0	0	0	0	9	9
34	P.G.DIP.IN DIET.& PUB.HEALTH NUT.	0	24	24	0	0	0	0	24	24
35	P.G.DIP.IN BIO-CHEMICAL TECH.	3	17	20	0	0	0	3	17	20

Sub-Total (P.G. Diploma)		83	147	230	49	39	88	132	186	318
Grand-Total (Cert./Diploma/Course)		241	346	587	59	62	121	300	408	708

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Statement showing the College-wise  
and subject wise distribution of Students  
for the year 2017-2018

B.A.PROGRAMME

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	75	27	102	68	25	93	48	30	78	191	82	273
2	BHARATI COLLEGE (W)	0	159	159	0	169	169	0	174	174	0	502	502
3	BHIM RAO AMBEDKAR COLLEGE	203	186	389	195	126	321	186	110	296	584	422	1006
4	DAULAT RAM COLLEGE (W)	0	154	154	0	179	179	0	112	112	0	445	445
5	DEEN DAYAL UPADHYAYA COLLEGE	57	52	109	70	28	98	69	28	97	196	108	304
6	DELHI COLLEGE OF ARTS & COMMERCE	131	31	162	103	35	138	144	55	199	378	121	499
7	DESHBANDHU COLLEGE	150	73	223	168	52	220	118	35	153	436	160	596
8	DYAL SINGH COLLEGE	152	80	232	126	44	170	109	104	213	387	228	615
9	GARGI COLLEGE (W)	0	151	151	0	175	175	0	169	169	0	495	495
10	HANS RAJ COLLEGE	63	22	85	33	41	74	57	15	72	153	78	231
11	HINDU COLLEGE	56	31	87	60	14	74	36	14	50	152	59	211
12	I.P. COLLEGE (W)	0	220	220	0	227	227	0	210	210	0	657	657
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	211	211	0	211	211	0	194	194	0	616	616
14	JESUS & MARY COLLEGE (W)	0	350	350	0	382	382	0	259	259	0	991	991
15	KALINDI COLLEGE (W)	0	218	218	0	212	212	0	235	235	0	665	665
16	KAMALA NEHRU COLLEGE (W)	0	123	123	0	126	126	0	103	103	0	352	352
17	KIRORI MAL COLLEGE	73	22	95	100	34	134	91	36	127	264	92	356
18	LADY SHRI RAM COLLEGE (W)	0	82	82	0	75	75	0	68	68	0	225	225
19	LAKSHMIBAI COLLEGE (W)	0	405	405	0	548	548	0	514	514	0	1467	1467
20	MAITREYI COLLEGE (W)	0	218	218	0	195	195	0	188	188	0	601	601
21	MATA SUNDRI COLLEGE (W)	0	246	246	0	198	198	0	201	201	0	645	645
22	MIRANDA HOUSE (W)	0	191	191	0	184	184	0	209	209	0	584	584
23	MOTILAL NEHRU COLLEGE	247	107	354	173	70	243	163	121	284	583	298	881

24	P.G.D.A.V. COLLEGE	216	94	310	131	68	199	210	88	298	557	250	807
25	RAJDHANI COLLEGE	160	48	208	144	44	188	137	42	179	441	134	575
26	RAMLAL ANAND COLLEGE	66	16	82	97	24	121	47	26	73	210	66	276
27	RAMJAS COLLEGE	109	32	141	84	36	120	95	12	107	288	80	368
28	S.G.T.B. KHALSA COLLEGE	59	23	82	66	22	88	46	11	57	171	56	227
29	SATYAWATI COLLEGE	264	76	340	425	115	540	382	149	531	1071	340	1411
30	SHAHEED BHAGAT SINGH COLLEGE	81	29	110	84	16	100	72	13	85	237	58	295
31	SHIVAJI COLLEGE	138	47	185	131	48	179	125	33	158	394	128	522
32	SHYAM LAL COLLEGE	129	50	179	105	47	152	95	50	145	329	147	476
33	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	384	384	0	318	318	0	257	257	0	959	959
34	SRI AUROBINDO COLLEGE	206	82	288	220	85	305	200	60	260	626	227	853
35	SRI VENKATESWARA COLLEGE	80	42	122	87	25	112	67	30	97	234	97	331
36	ST. STEPHEN'S COLLEGE	28	29	57	25	26	51	34	32	66	87	87	174
37	SWAMI SHRADDHANAND COLLEGE	289	53	342	215	112	327	230	58	288	734	223	957
38	VIVEKANANDA COLLEGE (W)	0	127	127	0	177	177	0	200	200	0	504	504
39	ZAKIR HUSAIN DELHI COLLEGE	112	102	214	116	85	201	104	72	176	332	259	591
40	BHAGINI NIVEDITA COLLEGE (W)	0	309	309	0	302	302	0	230	230	0	841	841
41	ADITI MAHAVIDYALYA (W)	0	432	432	0	390	390	0	341	341	0	1163	1163
42	MAHARAJA AGARSEN CO-ED. COLLEGE	81	84	165	80	44	124	71	52	123	232	180	412
43	SHRI GURU NANAK DEV KHALSA COLLEG	135	38	173	89	37	126	120	45	165	344	120	464
Total (Day):		3360	5456	8816	3195	5371	8566	3056	4985	8041	9611	15812	25423
44	RAMANUJAN COLLEGE	67	38	105	75	36	111	100	48	148	242	122	364
45	DYAL SINGH COLLEGE (EVE.)	318	148	466	284	99	383	189	113	302	791	360	1151
46	MOTILAL NEHRU COLLEGE (EVE.)	321	65	386	305	64	369	248	81	329	874	210	1084
47	P.G.D.A.V. COLLEGE (EVE.)	175	81	256	188	39	227	180	60	240	543	180	723
48	ARYABHATTA COLLEGE	47	18	65	96	29	125	105	30	135	248	77	325
49	SATYAWATI COLLEGE (EVE.)	272	62	334	186	54	240	200	52	252	658	168	826
50	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	126	45	171	149	39	188	104	55	159	379	139	518
51	SHYAM LAL COLLEGE (EVE.)	126	44	170	136	31	167	142	51	193	404	126	530
52	SRI AUROBINDO COLLEGE (EVE.)	166	46	212	266	69	335	174	20	194	606	135	741
53	ZAKIR HUSAIN P.G. EVENING COLLEGE	731	163	894	299	71	370	314	77	391	1344	311	1655
Total (Eve):		2349	710	3059	1984	531	2515	1756	587	2343	6089	1828	7917
Total (Day + Eve):		5709	6166	11875	5179	5902	11081	4812	5572	10384	15700	17640	33340
Total (Regular):		5709	6166	11875	5179	5902	11081	4812	5572	10384	15700	17640	33340
54	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	6130	6130	0	6000	6000	0	3216	3216	0	15346	15346
55	SCHOOL OF OPEN LEARNING	43650	41716	85366	32950	33142	66092	48369	55830	104199	124969	130688	255657
Total (Nonformal):		43650	47846	91496	32950	39142	72092	48369	59046	107415	124969	146034	271003
Grand Total :		49359	54012	103371	38129	45044	83173	53181	64618	117799	140669	163674	304343

B. VOC. BANKING OPERATIONS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	RAMANUJAN COLLEGE	26	17	43	49	32	81	0	0	0	75	49	124
Total (Eve):		26	17	43	49	32	81	0	0	0	75	49	124
Total (Day + Eve):		26	17	43	49	32	81	0	0	0	75	49	124
Total (Regular):		26	17	43	49	32	81	0	0	0	75	49	124
Grand Total :		26	17	43	49	32	81	0	0	0	75	49	124

B.A. (VOCATIONAL STUDIES)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	COLLEGE OF VOCATIONAL STUDIES	365	227	592	295	174	469	327	128	455	987	529	1516
Total (Day):		365	227	592	295	174	469	327	128	455	987	529	1516
Total (Day + Eve):		365	227	592	295	174	469	327	128	455	987	529	1516
Total (Regular):		365	227	592	295	174	469	327	128	455	987	529	1516
Grand Total :		365	227	592	295	174	469	327	128	455	987	529	1516

B.VOC.PRINGING & TECHNOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	KALINDI COLLEGE (W)	0	30	30	0	40	40	0	0	0	0	70	70
Total (Day):		0	30	30	0	40	40	0	0	0	0	70	70



Total (Day + Eve) :	0	30	30	0	40	40	0	0	0	0	70	70
Total (Regular) :	0	30	30	0	40	40	0	0	0	0	70	70
Grand Total :	0	30	30	0	40	40	0	0	0	0	70	70

#### B.VOC. WEB DESIGNING

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	KALINDI COLLEGE (W)	0	48	48	0	47	47	0	0	0	0	95	95
Total (Day) :		0	48	48	0	47	47	0	0	0	0	95	95
Total (Day + Eve) :		0	48	48	0	47	47	0	0	0	0	95	95
Total (Regular) :		0	48	48	0	47	47	0	0	0	0	95	95
Grand Total :		0	48	48	0	47	47	0	0	0	0	95	95

#### B. VOC. RETAIL MANAGEMENT & IT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	JESUS & MARY COLLEGE (W)	0	51	51	0	50	50	0	0	0	0	101	101
Total (Day) :		0	51	51	0	50	50	0	0	0	0	101	101
Total (Day + Eve) :		0	51	51	0	50	50	0	0	0	0	101	101
Total (Regular) :		0	51	51	0	50	50	0	0	0	0	101	101
Grand Total :		0	51	51	0	50	50	0	0	0	0	101	101

## B.VOC. HEALTH CARE MANAGEMENT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	JESUS & MARY COLLEGE (W)	0	50	50	0	47	47	0	0	0	0	97	97
	Total (Day):	0	50	50	0	47	47	0	0	0	0	97	97
	Total (Day + Eve):	0	50	50	0	47	47	0	0	0	0	97	97
	Total (Regular):	0	50	50	0	47	47	0	0	0	0	97	97
	Grand Total :	0	50	50	0	47	47	0	0	0	0	97	97

## B. VOC. SOFTWARE DEVELOPMENT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	RAMANUJAN COLLEGE	43	6	49	54	5	59	0	0	0	97	11	108
	Total (Eve):	43	6	49	54	5	59	0	0	0	97	11	108
	Total (Day + Eve):	43	6	49	54	5	59	0	0	0	97	11	108
	Total (Regular):	43	6	49	54	5	59	0	0	0	97	11	108
	Grand Total :	43	6	49	54	5	59	0	0	0	97	11	108

## B. Voc.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	JESUS & MARY COLLEGE (W)	0	101	101	0	97	97	0	0	0	0	198	198
2	KALINDI COLLEGE (W)	0	78	78	0	87	87	0	0	0	0	165	165
	Total (Day):	0	179	179	0	184	184	0	0	0	0	363	363
3	RAMANUJAN COLLEGE	69	23	92	103	37	140	0	0	0	172	60	232

Total (Eve) :	69	23	92	103	37	140	0	0	0	172	60	232
Total (Day + Eve) :	69	202	271	103	221	324	0	0	0	172	423	595
Total (Regular) :	69	202	271	103	221	324	0	0	0	172	423	595
Total (Nonformal) :	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total:	69	202	271	103	221	324	0	0	0	172	423	595

B.A. (Hons) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ARABIC	10	6	16	12	7	19	12	2	14	34	15	49
2	APP. PSYCHOLOGY	35	199	234	49	231	280	26	178	204	110	608	718
3	BENGALI	2	9	11	6	6	12	5	6	11	13	21	34
4	ENGLISH	772	1929	2701	718	1839	2557	577	1915	2492	2067	5683	7750
5	HINDI	1166	1569	2735	942	1496	2438	1072	1617	2689	3180	4682	7862
6	PUNJABI	75	112	187	38	90	128	31	94	125	144	296	440
7	PERSIAN	13	10	23	5	5	10	7	2	9	25	17	42
8	PHILOSOPHY	127	459	586	87	482	569	48	436	484	262	1377	1639
9	PSYCHOLOGY	31	530	561	39	421	460	21	361	382	91	1312	1403
10	SANSKRIT	580	603	1183	415	562	977	355	423	778	1350	1588	2938
11	URDU	96	87	183	95	48	143	127	43	170	318	178	496
12	HINDI PATRAKARITA AVAM JANSANCHAR	65	94	159	93	71	164	97	69	166	255	234	489
13	JOURNALISM	36	226	262	37	189	226	38	174	212	111	589	700
14	FRENCH	16	21	37	13	18	31	13	14	27	42	53	95
15	GERMAN	17	25	42	19	19	38	12	12	24	48	56	104
16	ITALIAN	19	26	45	11	12	23	16	17	33	46	55	101
17	SPANISH	27	22	49	22	12	34	17	15	32	66	49	115
18	ECONOMICS	996	1504	2500	801	1340	2141	957	1534	2491	2754	4378	7132
19	HISTORY	1131	1380	2511	1092	1393	2485	1216	1547	2763	3439	4320	7759
20	GEOGRAPHY	302	336	638	292	266	558	386	330	716	980	932	1912
21	POL.SCIENCE	1270	2264	3534	1305	2090	3395	1370	2282	3652	3945	6636	10581
22	SOCIOLOGY	49	410	459	31	359	390	29	331	360	109	1100	1209
23	SOCIAL WORK	38	63	101	35	74	109	27	90	117	100	227	327
24	BUSINESS ECONOMICS	322	152	474	247	176	423	287	153	440	856	481	1337
25	MUSIC	47	34	81	48	32	80	36	27	63	131	93	224
26	HUMANITIES AND SOCIAL SCIEN	41	5	46	34	7	41	34	5	39	109	17	126
Total:		7283	12075	19358	6486	11245	17731	6816	11677	18493	20585	34997	55582

## B.A. (H) ARABIC

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ZAKIR HUSAIN DELHI COLLEGE	10	6	16	12	7	19	12	2	14	34	15	49
Total (Day):		10	6	16	12	7	19	12	2	14	34	15	49
Total (Day + Eve):		10	6	16	12	7	19	12	2	14	34	15	49
Total (Regular):		10	6	16	12	7	19	12	2	14	34	15	49
Grand Total :		10	6	16	12	7	19	12	2	14	34	15	49

## B.A. (H) APP. PSYCHOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHIM RAO AMBEDKAR COLLEGE	12	36	48	16	36	52	10	24	34	38	96	134
2	GARGI COLLEGE (W)	0	38	38	0	51	51	0	45	45	0	134	134
3	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	33	33	0	25	25	0	42	42	0	100	100
4	VIVEKANANDA COLLEGE (W)	0	28	28	0	58	58	0	34	34	0	120	120
Total (Day):		12	135	147	16	170	186	10	145	155	38	450	488
5	RAMANUJAN COLLEGE	3	31	34	17	34	51	0	0	0	20	65	85
6	SRI AUROBINDO COLLEGE (EVE.)	20	33	53	16	27	43	16	33	49	52	93	145
Total (Eve):		23	64	87	33	61	94	16	33	49	72	158	230
Total (Day + Eve):		35	199	234	49	231	280	26	178	204	110	608	718
Total (Regular):		35	199	234	49	231	280	26	178	204	110	608	718
Grand Total :		35	199	234	49	231	280	26	178	204	110	608	718

## B.A. (H) BENGALI

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	MIRANDA HOUSE (W)	0	4	4	0	3	3	0	4	4	0	11	11
2	ZAKIR HUSAIN DELHI COLLEGE	2	5	7	6	3	9	5	2	7	13	10	23
Total (Day):		2	9	11	6	6	12	5	6	11	13	21	34
Total (Day + Eve):		2	9	11	6	6	12	5	6	11	13	21	34
Total (Regular):		2	9	11	6	6	12	5	6	11	13	21	34
Grand Total :		2	9	11	6	6	12	5	6	11	13	21	34

## B.A. (H) ENGLISH

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	15	28	43	8	16	24	5	24	29	28	68	96
2	BHARATI COLLEGE (W)	0	49	49	0	53	53	0	55	55	0	157	157
3	COLLEGE OF VOCATIONAL STUDIES	21	29	50	0	0	0	0	0	0	21	29	50
4	DAULAT RAM COLLEGE (W)	0	77	77	0	85	85	0	60	60	0	222	222
5	DEEN DAYAL UPADHYAYA COLLEGE	21	18	39	13	20	33	12	29	41	46	67	113
6	DELHI COLLEGE OF ARTS & COMMERCE	28	36	64	24	40	64	14	25	39	66	101	167
7	DESHBANDHU COLLEGE	29	35	64	19	37	56	24	26	50	72	98	170
8	DYAL SINGH COLLEGE	32	47	79	25	38	63	11	48	59	68	133	201
9	GARGI COLLEGE (W)	0	55	55	0	55	55	0	60	60	0	170	170
10	HANS RAJ COLLEGE	28	43	71	66	27	93	21	41	62	115	111	226
11	HINDU COLLEGE	16	31	47	22	36	58	11	29	40	49	96	145
12	I.P. COLLEGE (W)	0	45	45	0	74	74	0	49	49	0	168	168
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	50	50	0	46	46	0	61	61	0	157	157
14	JESUS & MARY COLLEGE (W)	0	51	51	0	46	46	0	40	40	0	137	137
15	KALINDI COLLEGE (W)	0	87	87	0	44	44	0	55	55	0	186	186
16	KAMALA NEHRU COLLEGE (W)	0	58	58	0	63	63	0	50	50	0	171	171
17	KIRORI MAL COLLEGE	24	32	56	23	34	57	10	38	48	57	104	161
18	LADY SHRI RAM COLLEGE (W)	0	109	109	0	104	104	0	100	100	0	313	313
19	LAKSHMIBAI COLLEGE (W)	0	43	43	0	69	69	0	67	67	0	179	179
20	MAITREYI COLLEGE (W)	0	44	44	0	59	59	0	45	45	0	148	148
21	MATA SUNDRI COLLEGE (W)	0	58	58	0	69	69	0	75	75	0	202	202
22	MIRANDA HOUSE (W)	0	76	76	0	68	68	0	75	75	0	219	219
23	MOTILAL NEHRU COLLEGE	23	27	50	11	22	33	6	38	44	40	87	127

24	P.G.D.A.V. COLLEGE	46	77	123	20	47	67	12	42	54	78	166	244
25	RAJDHANI COLLEGE	27	30	57	22	23	45	30	19	49	79	72	151
26	RAMLAL ANAND COLLEGE	32	29	61	13	32	45	26	37	63	71	98	169
27	RAMJAS COLLEGE	36	41	77	40	38	78	32	45	77	108	124	232
28	S.G.T.B. KHALSA COLLEGE	14	39	53	18	35	53	28	69	97	60	143	203
29	SATYAWATI COLLEGE	25	34	59	31	27	58	33	29	62	89	90	179
30	SHAHEED BHAGAT SINGH COLLEGE	35	28	63	20	28	48	24	22	46	79	78	157
31	SHIVAJI COLLEGE	20	27	47	20	20	40	14	94	108	54	141	195
32	SHYAM LAL COLLEGE	23	25	48	21	22	43	8	34	42	52	81	133
33	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	38	38	0	33	33	0	28	28	0	99	99
34	SRI AUROBINDO COLLEGE	23	27	50	21	23	44	17	17	34	61	67	128
35	SRI VENKATESWARA COLLEGE	10	31	41	11	32	43	14	48	62	35	111	146
36	ST. STEPHEN'S COLLEGE	4	28	32	8	26	34	7	25	32	19	79	98
37	SWAMI SHRADDHANAND COLLEGE	29	33	62	41	22	63	47	26	73	117	81	198
38	VIVEKANANDA COLLEGE (W)	0	42	42	0	42	42	0	42	42	0	126	126
39	ZAKIR HUSAIN DELHI COLLEGE	11	18	29	19	17	36	13	14	27	43	49	92
40	MAHARAJA AGARSEN CO-ED. COLLEGE	10	36	46	14	31	45	14	21	35	38	88	126
41	SHRI GURU NANAK DEV KHALSA COLLEG	11	27	38	17	61	78	17	25	42	45	113	158
Total (Day):		593	1738	2331	547	1664	2211	450	1727	2177	1590	5129	6719
42	RAMANUJAN COLLEGE	14	26	40	15	27	42	33	30	63	62	83	145
43	DYAL SINGH COLLEGE (EVE.)	36	48	84	68	56	124	29	45	74	133	149	282
44	MOTILAL NEHRU COLLEGE (EVE.)	31	22	53	22	17	39	8	39	47	61	78	139
45	ARYABHATTA COLLEGE	18	42	60	14	33	47	14	33	47	46	108	154
46	SATYAWATI COLLEGE (EVE.)	32	22	54	32	22	54	22	24	46	86	68	154
47	SRI AUROBINDO COLLEGE (EVE.)	21	20	41	0	0	0	0	0	0	21	20	41
48	ZAKIR HUSAIN P.G. EVENING COLLEGE	27	11	38	20	20	40	21	17	38	68	48	116
Total (Eve):		179	191	370	171	175	346	127	188	315	477	554	1031
Total (Day + Eve):		772	1929	2701	718	1839	2557	577	1915	2492	2067	5683	7750
Total (Regular):		772	1929	2701	718	1839	2557	577	1915	2492	2067	5683	7750
49	SCHOOL OF OPEN LEARNING	1329	2199	3528	720	1664	2384	620	1947	2567	2669	5810	8479
Total (Nonformal):		1329	2199	3528	720	1664	2384	620	1947	2567	2669	5810	8479
Grand Total :		2101	4128	6229	1438	3503	4941	1197	3862	5059	4736	11493	16229

## B.A. (H) HINDI

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	27	13	40	18	18	36	21	18	39	66	49	115
2	BHARATI COLLEGE (W)	0	97	97	0	98	98	0	76	76	0	271	271
3	BHIM RAO AMBEDKAR COLLEGE	22	24	46	0	0	0	0	0	0	22	24	46
4	COLLEGE OF VOCATIONAL STUDIES	24	20	44	0	0	0	0	0	0	24	20	44
5	DAULAT RAM COLLEGE (W)	0	92	92	0	101	101	0	43	43	0	236	236
6	DESHBANDHU COLLEGE	40	30	70	54	22	76	42	32	74	136	84	220
7	DYAL SINGH COLLEGE	45	35	80	31	32	63	46	25	71	122	92	214
8	GARGI COLLEGE (W)	0	51	51	0	43	43	0	98	98	0	192	192
9	HANS RAJ COLLEGE	42	17	59	31	31	62	55	11	66	128	59	187
10	HINDU COLLEGE	24	14	38	24	7	31	21	12	33	69	33	102
11	I.P. COLLEGE (W)	0	48	48	0	48	48	0	46	46	0	142	142
12	JANKI DEVI MEMORIAL COLLEGE (W)	0	61	61	0	79	79	0	48	48	0	188	188
13	JESUS & MARY COLLEGE (W)	0	71	71	0	61	61	0	47	47	0	179	179
14	KALINDI COLLEGE (W)	0	65	65	0	68	68	0	78	78	0	211	211
15	KAMALA NEHRU COLLEGE (W)	0	45	45	0	55	55	0	41	41	0	141	141
16	KIRORI MAL COLLEGE	35	9	44	39	14	53	32	9	41	106	32	138
17	LADY SHRI RAM COLLEGE (W)	0	33	33	0	33	33	0	32	32	0	98	98
18	LAKSHMIBAI COLLEGE (W)	0	51	51	0	70	70	0	75	75	0	196	196
19	MAITREYI COLLEGE (W)	0	58	58	0	40	40	0	58	58	0	156	156
20	MATA SUNDRI COLLEGE (W)	0	123	123	0	73	73	0	105	105	0	301	301
21	MIRANDA HOUSE (W)	0	58	58	0	62	62	0	64	64	0	184	184
22	MOTILAL NEHRU COLLEGE	25	14	39	23	19	42	24	15	39	72	48	120
23	P.G.D.A.V. COLLEGE	43	43	86	34	30	64	62	68	130	139	141	280
24	RAJDHANI COLLEGE	36	18	54	30	18	48	54	52	106	120	88	208
25	RAMLAL ANAND COLLEGE	43	17	60	22	12	34	30	25	55	95	54	149
26	RAMJAS COLLEGE	45	14	59	45	26	71	30	25	55	120	65	185
27	S.G.T.B. KHALSA COLLEGE	35	11	46	37	13	50	24	7	31	96	31	127
28	SATYAWATI COLLEGE	39	13	52	35	21	56	73	27	100	147	61	208
29	SHAHEED BHAGAT SINGH COLLEGE	33	14	47	37	12	49	45	28	73	115	54	169
30	SHIVAJI COLLEGE	29	16	45	31	9	40	37	25	62	97	50	147
31	SHYAM LAL COLLEGE	32	23	55	14	34	48	13	33	46	59	90	149
32	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	42	42	0	45	45	0	39	39	0	126	126
33	SRI AUROBINDO COLLEGE	38	20	58	30	35	65	32	24	56	100	79	179
34	SRI VENKATESWARA COLLEGE	20	17	37	26	11	37	37	17	54	83	45	128
35	SWAMI SHRADDHANAND COLLEGE	47	15	62	38	20	58	39	24	63	124	59	183
36	VIVEKANANDA COLLEGE (W)	0	42	42	0	50	50	0	49	49	0	141	141
37	ZAKIR HUSAIN DELHI COLLEGE	32	23	55	35	12	47	18	15	33	85	50	135
38	BHAGINI NIVEDITA COLLEGE (W)	0	52	52	0	38	38	0	33	33	0	123	123
39	MAHARAJA AGARSEN CO-ED. COLLEGE	17	29	46	24	18	42	17	22	39	58	69	127
40	SHRI GURU NANAK DEV KHALSA COLLEG	79	28	107	16	9	25	17	19	36	112	56	168
Total (Day):		852	1466	2318	674	1387	2061	769	1465	2234	2295	4318	6613

41	RAMANUJAN COLLEGE	31	14	45	37	21	58	23	20	43	91	55	146
42	MOTILAL NEHRU COLLEGE (EVE.)	37	10	47	26	10	36	33	11	44	96	31	127
43	P.G.D.A.V. COLLEGE (EVE.)	24	10	34	32	14	46	23	14	37	79	38	117
44	ARYABHATTA COLLEGE	43	15	58	38	11	49	19	18	37	100	44	144
45	SATYAWATI COLLEGE (EVE.)	87	14	101	43	14	57	40	8	48	170	36	206
46	SHYAM LAL COLLEGE (EVE.)	35	17	52	31	14	45	24	20	44	90	51	141
47	SRI AUROBINDO COLLEGE (EVE.)	38	15	53	51	20	71	29	20	49	118	55	173
48	ZAKIR HUSAIN P.G. EVENING COLLEGE	19	8	27	10	5	15	112	41	153	141	54	195
Total (Eve):		314	103	417	268	109	377	303	152	455	885	364	1249
Total (Day + Eve):		1166	1569	2735	942	1496	2438	1072	1617	2689	3180	4682	7862
Total (Regular):		1166	1569	2735	942	1496	2438	1072	1617	2689	3180	4682	7862
Grand Total :		1166	1569	2735	942	1496	2438	1072	1617	2689	3180	4682	7862

#### B.A. (H) PUNJABI

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DYAL SINGH COLLEGE	20	15	35	0	0	0	0	0	0	20	15	35
2	MATA SUNDRI COLLEGE (W)	0	39	39	0	52	52	0	51	51	0	142	142
3	S.G.T.B. KHALSA COLLEGE	12	20	32	16	26	42	15	27	42	43	73	116
4	SRI G.G.S. COLLEGE OF COMMERCE	23	30	53	0	0	0	0	0	0	23	30	53
5	SHRI GURU NANAK DEV KHALSA COLLEG	20	8	28	22	12	34	16	16	32	58	36	94
Total (Day):		75	112	187	38	90	128	31	94	125	144	296	440
Total (Day + Eve):		75	112	187	38	90	128	31	94	125	144	296	440
Total (Regular):		75	112	187	38	90	128	31	94	125	144	296	440
Grand Total :		75	112	187	38	90	128	31	94	125	144	296	440

#### B.A. (H) PERSIAN

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ZAKIR HUSAIN DELHI COLLEGE	3	9	12	3	3	6	6	2	8	12	14	26



Total (Day):		3	9	12	3	3	6	6	2	8	12	14	26
2	ZAKIR HUSAIN P.G. EVENING COLLEGE	10	1	11	2	2	4	1	0	1	13	3	16
Total (Eve):		10	1	11	2	2	4	1	0	1	13	3	16
Total (Day + Eve):		13	10	23	5	5	10	7	2	9	25	17	42
Total (Regular):		13	10	23	5	5	10	7	2	9	25	17	42
Grand Total :		13	10	23	5	5	10	7	2	9	25	17	42

#### B.A. (H) PHILOSOPHY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	43	43	0	53	53	0	43	43	0	139	139
2	DYAL SINGH COLLEGE	29	22	51	0	0	0	0	0	0	29	22	51
3	GARGI COLLEGE (W)	0	29	29	0	27	27	0	24	24	0	80	80
4	HINDU COLLEGE	27	15	42	24	15	39	31	11	42	82	41	123
5	I.P. COLLEGE (W)	0	40	40	0	68	68	0	44	44	0	152	152
6	JANKI DEVI MEMORIAL COLLEGE (W)	0	38	38	0	38	38	0	32	32	0	108	108
7	KAMALA NEHRU COLLEGE (W)	0	35	35	0	43	43	0	41	41	0	119	119
8	LADY SHRI RAM COLLEGE (W)	0	41	41	0	41	41	0	35	35	0	117	117
9	LAKSHMIBAI COLLEGE (W)	0	34	34	0	51	51	0	78	78	0	163	163
10	MATA SUNDRI COLLEGE (W)	0	55	55	0	32	32	0	34	34	0	121	121
11	MIRANDA HOUSE (W)	0	30	30	0	48	48	0	37	37	0	115	115
12	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	49	49	0	42	42	0	43	43	0	134	134
13	ST. STEPHEN'S COLLEGE	9	2	11	5	5	10	4	7	11	18	14	32
14	ZAKIR HUSAIN DELHI COLLEGE	27	15	42	21	6	27	13	7	20	61	28	89
Total (Day):		92	448	540	50	469	519	48	436	484	190	1353	1543
15	RAMANUJAN COLLEGE	35	11	46	37	13	50	0	0	0	72	24	96
Total (Eve):		35	11	46	37	13	50	0	0	0	72	24	96
Total (Day + Eve):		127	459	586	87	482	569	48	436	484	262	1377	1639
Total (Regular):		127	459	586	87	482	569	48	436	484	262	1377	1639
Grand Total :		127	459	586	87	482	569	48	436	484	262	1377	1639

## B.A. (H) PSYCHOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHARATI COLLEGE (W)	0	32	32	0	0	0	0	0	0	0	32	32
2	SHAHEED RAJ GURU COLL. OF APP.SCS	0	57	57	0	0	0	0	0	0	0	57	57
3	DAULAT RAM COLLEGE (W)	0	47	47	0	38	38	0	42	42	0	127	127
4	I.P. COLLEGE (W)	0	51	51	0	58	58	0	50	50	0	159	159
5	JESUS & MARY COLLEGE (W)	0	56	56	0	56	56	0	51	51	0	163	163
6	KAMALA NEHRU COLLEGE (W)	0	54	54	0	57	57	0	57	57	0	168	168
7	LADY SHRI RAM COLLEGE (W)	0	56	56	0	61	61	0	55	55	0	172	172
8	MATA SUNDRI COLLEGE (W)	0	75	75	0	63	63	0	63	63	0	201	201
9	ZAKIR HUSAIN DELHI COLLEGE	12	36	48	10	30	40	10	20	30	32	86	118
10	KESHAV MAHAVIDHALAYA	8	29	37	14	29	43	11	23	34	33	81	114
Total (Day):		20	493	513	24	392	416	21	361	382	65	1246	1311
11	ARYABHATTA COLLEGE	11	37	48	15	29	44	0	0	0	26	66	92
Total (Eve):		11	37	48	15	29	44	0	0	0	26	66	92
Total (Day + Eve):		31	530	561	39	421	460	21	361	382	91	1312	1403
Total (Regular):		31	530	561	39	421	460	21	361	382	91	1312	1403
Grand Total :		31	530	561	39	421	460	21	361	382	91	1312	1403

## B.A. (H) SANSKRIT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHARATI COLLEGE (W)	0	38	38	0	36	36	0	21	21	0	95	95
2	DAULAT RAM COLLEGE (W)	0	43	43	0	47	47	0	31	31	0	121	121
3	DESHBANDHU COLLEGE	69	15	84	68	16	84	38	14	52	175	45	220
4	DYAL SINGH COLLEGE	53	9	62	0	0	0	0	0	0	53	9	62
5	GARGI COLLEGE (W)	0	38	38	0	42	42	0	24	24	0	104	104
6	HANS RAJ COLLEGE	35	17	52	19	24	43	46	13	59	100	54	154
7	HINDU COLLEGE	30	13	43	22	6	28	28	10	38	80	29	109
8	I.P. COLLEGE (W)	0	36	36	0	33	33	0	21	21	0	90	90
9	JANKI DEVI MEMORIAL COLLEGE (W)	0	24	24	0	18	18	0	14	14	0	56	56
10	KALINDI COLLEGE (W)	0	42	42	0	28	28	0	15	15	0	85	85
11	KAMALA NEHRU COLLEGE (W)	0	25	25	0	30	30	0	16	16	0	71	71

12	KIRORI MAL COLLEGE	59	12	71	42	11	53	17	3	20	118	26	144
13	LADY SHRI RAM COLLEGE (W)	0	29	29	0	22	22	0	17	17	0	68	68
14	LAKSHMIBAI COLLEGE (W)	0	34	34	0	43	43	0	34	34	0	111	111
15	MAITREYI COLLEGE (W)	0	26	26	0	21	21	0	26	26	0	73	73
16	MATA SUNDRI COLLEGE (W)	0	19	19	0	15	15	0	8	8	0	42	42
17	MIRANDA HOUSE (W)	0	31	31	0	26	26	0	20	20	0	77	77
18	MOTILAL NEHRU COLLEGE	61	13	74	27	8	35	16	4	20	104	25	129
19	P.G.D.A.V. COLLEGE	33	3	36	33	8	41	21	14	35	87	25	112
20	RAJDHANI COLLEGE	44	13	57	31	7	38	10	18	28	85	38	123
21	RAMJAS COLLEGE	28	8	36	18	16	34	18	5	23	64	29	93
22	SATYAWATI COLLEGE	44	9	53	67	15	82	78	20	98	189	44	233
23	SHIVAJI COLLEGE	49	6	55	35	8	43	22	5	27	106	19	125
24	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	44	44	0	28	28	0	27	27	0	99	99
25	SRI VENKATESWARA COLLEGE	31	10	41	26	7	33	28	3	31	85	20	105
26	ST. STEPHEN'S COLLEGE	5	5	10	4	6	10	7	3	10	16	14	30
27	VIVEKANANDA COLLEGE (W)	0	35	35	0	34	34	0	33	33	0	102	102
28	ZAKIR HUSAIN DELHI COLLEGE	24	5	29	5	5	10	13	2	15	42	12	54
Total (Day):		565	602	1167	397	560	957	342	421	763	1304	1583	2887
29	ZAKIR HUSAIN P.G. EVENING COLLEGE	15	1	16	18	2	20	13	2	15	46	5	51
Total (Eve):		15	1	16	18	2	20	13	2	15	46	5	51
Total (Day + Eve):		580	603	1183	415	562	977	355	423	778	1350	1588	2938
Total (Regular):		580	603	1183	415	562	977	355	423	778	1350	1588	2938
Grand Total :		580	603	1183	415	562	977	355	423	778	1350	1588	2938

#### B.A. (H) URDU

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DYAL SINGH COLLEGE	21	20	41	0	0	0	0	0	0	21	20	41
2	KIRORI MAL COLLEGE	19	14	33	19	10	29	18	5	23	56	29	85
3	SATYAWATI COLLEGE	34	12	46	58	10	68	82	12	94	174	34	208
4	ZAKIR HUSAIN DELHI COLLEGE	6	29	35	7	26	33	4	19	23	17	74	91
Total (Day):		80	75	155	84	46	130	104	36	140	268	157	425
5	ZAKIR HUSAIN P.G. EVENING COLLEGE	16	12	28	11	2	13	23	7	30	50	21	71
Total (Eve):		16	12	28	11	2	13	23	7	30	50	21	71

Total (Day + Eve) :	96	87	183	95	48	143	127	43	170	318	178	496
Total (Regular) :	96	87	183	95	48	143	127	43	170	318	178	496
Grand Total :	96	87	183	95	48	143	127	43	170	318	178	496

#### B.A. (H) HINDI PATRAKARITA AVAM JANSANCHAR

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHIM RAO AMBEDKAR COLLEGE	27	35	62	36	22	58	51	19	70	114	76	190
2	RAMLAL ANAND COLLEGE	13	6	19	38	10	48	14	3	17	65	19	84
3	ADITI MAHAVIDYALYA (W)	0	42	42	0	31	31	0	32	32	0	105	105
4	SHRI GURU NANAK DEV KHALSA COLLEG	25	11	36	19	8	27	32	15	47	76	34	110
Total (Day) :		65	94	159	93	71	164	97	69	166	255	234	489
Total (Day + Eve) :		65	94	159	93	71	164	97	69	166	255	234	489
Total (Regular) :		65	94	159	93	71	164	97	69	166	255	234	489
Grand Total :		65	94	159	93	71	164	97	69	166	255	234	489

#### B.A. (H) JOURNALISM

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHARATI COLLEGE (W)	0	32	32	0	0	0	0	0	0	0	32	32
2	DELHI COLLEGE OF ARTS & COMMERCE	17	12	29	18	17	35	14	17	31	49	46	95
3	INSTITUTE OF HOME ECONOMICS (W)	0	50	50	0	0	0	0	0	0	0	50	50
4	KALINDI COLLEGE (W)	0	48	48	0	80	80	0	45	45	0	173	173
5	KAMALA NEHRU COLLEGE (W)	0	35	35	0	42	42	0	35	35	0	112	112
6	LADY SHRI RAM COLLEGE (W)	0	23	23	0	28	28	0	56	56	0	107	107
7	MAHARAJA AGARSEN CO-ED. COLLEGE	19	26	45	19	22	41	24	21	45	62	69	131
Total (Day) :		36	226	262	37	189	226	38	174	212	111	589	700
Total (Day + Eve) :		36	226	262	37	189	226	38	174	212	111	589	700

Total (Regular):	36	226	262	37	189	226	38	174	212	111	589	700
Grand Total :	36	226	262	37	189	226	38	174	212	111	589	700

#### B.A. (H) FRENCH

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	16	21	37	13	18	31	13	14	27	42	53	95
	Total (Deptt) Day:	16	21	37	13	18	31	13	14	27	42	53	95
	Total (Deptt.) D+E:	16	21	37	13	18	31	13	14	27	42	53	95
	Total (Regular):	16	21	37	13	18	31	13	14	27	42	53	95
	Grand Total :	16	21	37	13	18	31	13	14	27	42	53	95

#### B.A. (H) GERMAN

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	17	25	42	19	19	38	12	12	24	48	56	104
	Total (Deptt) Day:	17	25	42	19	19	38	12	12	24	48	56	104
	Total (Deptt.) D+E:	17	25	42	19	19	38	12	12	24	48	56	104
	Total (Regular):	17	25	42	19	19	38	12	12	24	48	56	104
	Grand Total :	17	25	42	19	19	38	12	12	24	48	56	104

## B.A. (H) ITALIAN

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	19	26	45	11	12	23	16	17	33	46	55	101
	Total (Deptt) Day:	19	26	45	11	12	23	16	17	33	46	55	101
	Total (Deptt.) D+E:	19	26	45	11	12	23	16	17	33	46	55	101
	Total (Regular):	19	26	45	11	12	23	16	17	33	46	55	101
	Grand Total :	19	26	45	11	12	23	16	17	33	46	55	101

## B.A. (H) SPANISH

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	27	22	49	22	12	34	17	15	32	66	49	115
	Total (Deptt) Day:	27	22	49	22	12	34	17	15	32	66	49	115
	Total (Deptt.) D+E:	27	22	49	22	12	34	17	15	32	66	49	115
	Total (Regular):	27	22	49	22	12	34	17	15	32	66	49	115
	Grand Total :	27	22	49	22	12	34	17	15	32	66	49	115

## B.A. (H) ECONOMICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	44	33	77	32	29	61	27	47	74	103	109	212
2	BHIM RAO AMBEDKAR COLLEGE	27	18	45	0	0	0	0	0	0	27	18	45
3	COLLEGE OF VOCATIONAL STUDIES	39	24	63	32	30	62	29	27	56	100	81	181
4	DAULAT RAM COLLEGE (W)	0	94	94	0	93	93	0	86	86	0	273	273
5	DELHI COLLEGE OF ARTS & COMMERCE	44	10	54	21	14	35	23	10	33	88	34	122
6	DESHBANDHU COLLEGE	29	35	64	28	19	47	104	28	132	161	82	243
7	DYAL SINGH COLLEGE	45	46	91	18	46	64	42	141	183	105	233	338
8	GARGI COLLEGE (W)	0	64	64	0	0	0	0	0	0	0	64	64

9	HANS RAJ COLLEGE	63	83	146	84	48	132	75	72	147	222	203	425
10	HINDU COLLEGE	49	32	81	38	36	74	37	29	66	124	97	221
11	I.P. COLLEGE (W)	0	48	48	0	51	51	0	63	63	0	162	162
12	JANKI DEVI MEMORIAL COLLEGE (W)	0	37	37	0	44	44	0	54	54	0	135	135
13	JESUS & MARY COLLEGE (W)	0	54	54	0	55	55	0	55	55	0	164	164
14	KALINDI COLLEGE (W)	0	60	60	0	49	49	0	59	59	0	168	168
15	KAMALA NEHRU COLLEGE (W)	0	45	45	0	44	44	0	45	45	0	134	134
16	KIRORI MAL COLLEGE	76	39	115	35	26	61	66	34	100	177	99	276
17	LADY SHRI RAM COLLEGE (W)	0	98	98	0	110	110	0	98	98	0	306	306
18	LAKSHMIBAI COLLEGE (W)	0	37	37	0	55	55	0	53	53	0	145	145
19	MAITREYI COLLEGE (W)	0	33	33	0	35	35	0	54	54	0	122	122
20	MIRANDA HOUSE (W)	0	70	70	0	72	72	0	59	59	0	201	201
21	MOTILAL NEHRU COLLEGE	29	9	38	32	8	40	45	38	83	106	55	161
22	P.G.D.A.V. COLLEGE	19	20	39	29	21	50	14	15	29	62	56	118
23	RAJDHANI COLLEGE	29	21	50	19	33	52	28	12	40	76	66	142
24	RAMJAS COLLEGE	35	36	71	43	25	68	44	15	59	122	76	198
25	S.G.T.B. KHALSA COLLEGE	25	29	54	31	25	56	34	27	61	90	81	171
26	SATYAWATI COLLEGE	51	21	72	28	54	82	60	51	111	139	126	265
27	SHAHEED BHAGAT SINGH COLLEGE	25	23	48	32	24	56	31	19	50	88	66	154
28	SHIVAJI COLLEGE	29	22	51	21	28	49	10	29	39	60	79	139
29	SHYAM LAL COLLEGE	22	19	41	35	11	46	26	29	55	83	59	142
30	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	29	29	0	25	25	0	19	19	0	73	73
31	SRI G.G.S. COLLEGE OF COMMERCE	38	52	90	40	46	86	42	55	97	120	153	273
32	SRI RAM COLLEGE OF COMMERCE	68	101	169	57	85	142	55	82	137	180	268	448
33	SRI VENKATESWARA COLLEGE	20	25	45	26	22	48	42	33	75	88	80	168
34	ST. STEPHEN'S COLLEGE	13	39	52	28	24	52	26	25	51	67	88	155
35	ZAKIR HUSAIN DELHI COLLEGE	14	11	25	19	11	30	24	3	27	57	25	82
Total (Day):		833	1417	2250	728	1298	2026	884	1466	2350	2445	4181	6626
36	RAMANUJAN COLLEGE	39	16	55	0	0	0	0	0	0	39	16	55
37	ARYABHATTA COLLEGE	33	45	78	19	26	45	17	21	38	69	92	161
38	SATYAWATI COLLEGE (EVE.)	50	20	70	27	9	36	28	35	63	105	64	169
39	SHYAM LAL COLLEGE (EVE.)	18	2	20	27	7	34	28	12	40	73	21	94
40	SRI AUROBINDO COLLEGE (EVE.)	23	4	27	0	0	0	0	0	0	23	4	27
Total (Eve):		163	87	250	73	42	115	73	68	141	309	197	506
Total (Day + Eve):		996	1504	2500	801	1340	2141	957	1534	2491	2754	4378	7132
Total (Regular):		996	1504	2500	801	1340	2141	957	1534	2491	2754	4378	7132
Grand Total :		996	1504	2500	801	1340	2141	957	1534	2491	2754	4378	7132

## B.A. (H) HISTORY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	31	16	47	17	12	29	22	13	35	70	41	111
2	BHARATI COLLEGE (W)	0	88	88	0	71	71	0	71	71	0	230	230
3	BHIM RAO AMBEDKAR COLLEGE	38	8	46	38	15	53	0	0	0	76	23	99
4	COLLEGE OF VOCATIONAL STUDIES	46	21	67	54	12	66	36	21	57	136	54	190
5	DAULAT RAM COLLEGE (W)	0	92	92	0	42	42	0	53	53	0	187	187
6	DELHI COLLEGE OF ARTS & COMMERCE	37	19	56	33	22	55	35	13	48	105	54	159
7	DESHBANDHU COLLEGE	77	43	120	92	26	118	61	21	82	230	90	320
8	DYAL SINGH COLLEGE	43	27	70	38	21	59	128	66	194	209	114	323
9	GARGI COLLEGE (W)	0	37	37	0	49	49	0	60	60	0	146	146
10	HANS RAJ COLLEGE	43	26	69	43	29	72	52	24	76	138	79	217
11	HINDU COLLEGE	43	11	54	31	19	50	25	17	42	99	47	146
12	I.P. COLLEGE (W)	0	47	47	0	45	45	0	51	51	0	143	143
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	75	75	0	70	70	0	93	93	0	238	238
14	JESUS & MARY COLLEGE (W)	0	47	47	0	50	50	0	41	41	0	138	138
15	KALINDI COLLEGE (W)	0	60	60	0	47	47	0	85	85	0	192	192
16	KAMALA NEHRU COLLEGE (W)	0	43	43	0	45	45	0	39	39	0	127	127
17	KIRORI MAL COLLEGE	46	25	71	44	14	58	33	14	47	123	53	176
18	LADY SHRI RAM COLLEGE (W)	0	94	94	0	88	88	0	96	96	0	278	278
19	LAKSHMIBAI COLLEGE (W)	0	50	50	0	65	65	0	74	74	0	189	189
20	MAITREYI COLLEGE (W)	0	46	46	0	101	101	0	98	98	0	245	245
21	MATA SUNDRI COLLEGE (W)	0	54	54	0	47	47	0	48	48	0	149	149
22	MIRANDA HOUSE (W)	0	52	52	0	48	48	0	93	93	0	193	193
23	MOTILAL NEHRU COLLEGE	22	12	34	64	10	74	42	17	59	128	39	167
24	P.G.D.A.V. COLLEGE	30	23	53	36	17	53	33	28	61	99	68	167
25	RAJDHANI COLLEGE	52	21	73	37	11	48	44	17	61	133	49	182
26	RAMLAL ANAND COLLEGE	48	17	65	37	15	52	45	13	58	130	45	175
27	RAMJAS COLLEGE	48	21	69	44	19	63	53	17	70	145	57	202
28	S.G.T.B. KHALSA COLLEGE	44	17	61	28	29	57	25	12	37	97	58	155
29	SATYAWATI COLLEGE	39	15	54	56	15	71	79	22	101	174	52	226
30	SHAHEED BHAGAT SINGH COLLEGE	30	16	46	43	10	53	42	19	61	115	45	160
31	SHIVAJI COLLEGE	34	6	40	32	15	47	37	19	56	103	40	143
32	SHYAM LAL COLLEGE	32	11	43	38	8	46	32	21	53	102	40	142
33	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	37	37	0	40	40	0	44	44	0	121	121
34	SRI VENKATESWARA COLLEGE	34	25	59	35	13	48	46	43	89	115	81	196
35	ST. STEPHEN'S COLLEGE	33	29	62	22	41	63	20	40	60	75	110	185
36	SWAMI SHRADDHANAND COLLEGE	55	11	66	44	14	58	69	19	88	168	44	212
37	VIVEKANANDA COLLEGE (W)	0	33	33	0	110	110	0	50	50	0	193	193
38	ZAKIR HUSAIN DELHI COLLEGE	24	7	31	17	13	30	20	11	31	61	31	92
39	BHAGINI NIVEDITA COLLEGE (W)	0	49	49	0	40	40	0	0	0	0	89	89
40	SHRI GURU NANAK DEV KHALSA COLLEG	36	15	51	16	10	26	34	15	49	86	40	126
Total (Day):		965	1346	2311	939	1368	2307	1013	1498	2511	2917	4212	7129



41	MOTILAL NEHRU COLLEGE (EVE.)	40	9	49	34	6	40	41	16	57	115	31	146
42	ARYABHATTA COLLEGE	34	17	51	49	13	62	0	0	0	83	30	113
43	SATYAWATI COLLEGE (EVE.)	58	5	63	47	6	53	64	9	73	169	20	189
44	ZAKIR HUSAIN P.G. EVENING COLLEGE	34	3	37	23	0	23	98	24	122	155	27	182
Total (Eve):		166	34	200	153	25	178	203	49	252	522	108	630
Total (Day + Eve):		1131	1380	2511	1092	1393	2485	1216	1547	2763	3439	4320	7759
Total (Regular):		1131	1380	2511	1092	1393	2485	1216	1547	2763	3439	4320	7759
Grand Total :		1131	1380	2511	1092	1393	2485	1216	1547	2763	3439	4320	7759

#### B.A. (H) GEOGRAPHY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHIM RAO AMBEDKAR COLLEGE	49	20	69	50	16	66	45	11	56	144	47	191
2	DYAL SINGH COLLEGE	27	22	49	22	24	46	87	67	154	136	113	249
3	I.P. COLLEGE (W)	0	39	39	0	0	0	0	0	0	0	39	39
4	KALINDI COLLEGE (W)	0	43	43	0	0	0	0	0	0	0	43	43
5	KAMALA NEHRU COLLEGE (W)	0	42	42	0	49	49	0	52	52	0	143	143
6	KIRORI MAL COLLEGE	54	24	78	43	13	56	37	17	54	134	54	188
7	MIRANDA HOUSE (W)	0	50	50	0	62	62	0	55	55	0	167	167
8	SHAHEED BHAGAT SINGH COLLEGE	34	18	52	37	15	52	74	22	96	145	55	200
9	SHIVAJI COLLEGE	47	16	63	30	17	47	21	22	43	98	55	153
10	SWAMI SHRADDHANAND COLLEGE	53	14	67	49	14	63	57	10	67	159	38	197
11	ADITI MAHAVIDYALYA (W)	0	28	28	0	35	35	0	53	53	0	116	116
Total (Day):		264	316	580	231	245	476	321	309	630	816	870	1686
12	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	38	20	58	61	21	82	65	21	86	164	62	226
Total (Eve):		38	20	58	61	21	82	65	21	86	164	62	226
Total (Day + Eve):		302	336	638	292	266	558	386	330	716	980	932	1912
Total (Regular):		302	336	638	292	266	558	386	330	716	980	932	1912
Grand Total :		302	336	638	292	266	558	386	330	716	980	932	1912

## B.A. (H) POL.SCIENCE

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	60	35	95	50	29	79	46	36	82	156	100	256
2	BHARATI COLLEGE (W)	0	92	92	0	60	60	0	59	59	0	211	211
3	DAULAT RAM COLLEGE (W)	0	99	99	0	106	106	0	107	107	0	312	312
4	DELHI COLLEGE OF ARTS & COMMERCE	38	13	51	39	14	53	27	15	42	104	42	146
5	DESHBANDHU COLLEGE	88	55	143	92	35	127	90	28	118	270	118	388
6	DYAL SINGH COLLEGE	41	30	71	43	26	69	32	28	60	116	84	200
7	GARGI COLLEGE (W)	0	97	97	0	113	113	0	95	95	0	305	305
8	HINDU COLLEGE	46	45	91	24	35	59	44	33	77	114	113	227
9	I.P. COLLEGE (W)	0	123	123	0	142	142	0	116	116	0	381	381
10	JANKI DEVI MEMORIAL COLLEGE (W)	0	105	105	0	90	90	0	84	84	0	279	279
11	JESUS & MARY COLLEGE (W)	0	54	54	0	54	54	0	47	47	0	155	155
12	KALINDI COLLEGE (W)	0	181	181	0	177	177	0	125	125	0	483	483
13	KAMALA NEHRU COLLEGE (W)	0	92	92	0	93	93	0	84	84	0	269	269
14	KIRORI MAL COLLEGE	51	31	82	49	19	68	48	25	73	148	75	223
15	LADY SHRI RAM COLLEGE (W)	0	97	97	0	104	104	0	106	106	0	307	307
16	LAKSHMIBAI COLLEGE (W)	0	83	83	0	120	120	0	139	139	0	342	342
17	MAITREYI COLLEGE (W)	0	101	101	0	94	94	0	260	260	0	455	455
18	MATA SUNDRI COLLEGE (W)	0	149	149	0	115	115	0	109	109	0	373	373
19	MIRANDA HOUSE (W)	0	72	72	0	67	67	0	61	61	0	200	200
20	MOTILAL NEHRU COLLEGE	30	5	35	30	18	48	16	17	33	76	40	116
21	P.G.D.A.V. COLLEGE	51	23	74	48	17	65	68	41	109	167	81	248
22	RAJDHANI COLLEGE	42	33	75	34	12	46	43	16	59	119	61	180
23	RAMLAL ANAND COLLEGE	48	19	67	51	20	71	56	15	71	155	54	209
24	RAMJAS COLLEGE	26	46	72	35	33	68	16	76	92	77	155	232
25	S.G.T.B. KHALSA COLLEGE	27	32	59	31	23	54	39	14	53	97	69	166
26	SATYAWATI COLLEGE	86	28	114	49	30	79	60	29	89	195	87	282
27	SHAHEED BHAGAT SINGH COLLEGE	46	15	61	48	17	65	40	20	60	134	52	186
28	SHIVAJI COLLEGE	31	14	45	22	25	47	25	27	52	78	66	144
29	SHYAM LAL COLLEGE	22	25	47	33	16	49	19	25	44	74	66	140
30	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	107	107	0	86	86	0	81	81	0	274	274
31	SRI AUROBINDO COLLEGE	60	35	95	62	28	90	72	20	92	194	83	277
32	SRI VENKATESWARA COLLEGE	27	24	51	29	22	51	57	14	71	113	60	173
33	VIVEKANANDA COLLEGE (W)	0	52	52	0	56	56	0	49	49	0	157	157
34	ZAKIR HUSAIN DELHI COLLEGE	56	31	87	67	27	94	55	35	90	178	93	271
35	BHAGINI NIVEDITA COLLEGE (W)	0	51	51	0	0	0	0	0	0	0	51	51
36	MAHARAJA AGARSEN CO-ED. COLLEGE	25	25	50	19	23	42	26	31	57	70	79	149
37	SHRI GURU NANAK DEV KHALSA COLLEG	23	12	35	40	23	63	21	15	36	84	50	134
Total (Day):		924	2131	3055	895	1969	2864	900	2082	2982	2719	6182	8901
38	RAMANUJAN COLLEGE	27	21	48	31	18	49	44	18	62	102	57	159
39	DYAL SINGH COLLEGE (EVE.)	55	18	73	111	37	148	52	36	88	218	91	309

40	MOTILAL NEHRU COLLEGE (EVE.)	43	12	55	38	9	47	31	20	51	112	41	153
41	P.G.D.A.V. COLLEGE (EVE.)	34	16	50	36	5	41	73	22	95	143	43	186
42	ARYABHATTA COLLEGE	37	15	52	39	12	51	27	14	41	103	41	144
43	SATYAWATI COLLEGE (EVE.)	52	11	63	68	13	81	92	18	110	212	42	254
44	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	48	26	74	44	18	62	31	20	51	123	64	187
45	SHYAM LAL COLLEGE (EVE.)	28	10	38	35	7	42	26	19	45	89	36	125
46	ZAKIR HUSAIN P.G. EVENING COLLEGE	22	4	26	8	2	10	94	33	127	124	39	163
Total (Eve):		346	133	479	410	121	531	470	200	670	1226	454	1680
Total (Day + Eve):		1270	2264	3534	1305	2090	3395	1370	2282	3652	3945	6636	10581
Total (Regular):		1270	2264	3534	1305	2090	3395	1370	2282	3652	3945	6636	10581
47	SCHOOL OF OPEN LEARNING	5653	5537	11190	4263	4619	8882	3209	4194	7403	13125	14350	27475
Total (Nonformal):		5653	5537	11190	4263	4619	8882	3209	4194	7403	13125	14350	27475
Grand Total :		6923	7801	14724	5568	6709	12277	4579	6476	11055	17070	20986	38056

#### B.A. (H) SOCIOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHARATI COLLEGE (W)	0	38	38	0	0	0	0	0	0	0	38	38
2	HINDU COLLEGE	35	31	66	21	33	54	15	27	42	71	91	162
3	I.P. COLLEGE (W)	0	43	43	0	0	0	0	0	0	0	43	43
4	JANKI DEVI MEMORIAL COLLEGE (W)	0	36	36	0	42	42	0	44	44	0	122	122
5	JESUS & MARY COLLEGE (W)	0	47	47	0	61	61	0	54	54	0	162	162
6	KAMALA NEHRU COLLEGE (W)	0	56	56	0	47	47	0	42	42	0	145	145
7	LADY SHRI RAM COLLEGE (W)	0	41	41	0	45	45	0	29	29	0	115	115
8	MAITREYI COLLEGE (W)	0	42	42	0	42	42	0	39	39	0	123	123
9	MIRANDA HOUSE (W)	0	53	53	0	60	60	0	50	50	0	163	163
10	SRI VENKATESWARA COLLEGE	14	23	37	10	29	39	14	46	60	38	98	136
Total (Day):		49	410	459	31	359	390	29	331	360	109	1100	1209
Total (Day + Eve):		49	410	459	31	359	390	29	331	360	109	1100	1209
Total (Regular):		49	410	459	31	359	390	29	331	360	109	1100	1209
Grand Total :		49	410	459	31	359	390	29	331	360	109	1100	1209

## B.A. (H) SOCIAL WORK

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHIM RAO AMBEDKAR COLLEGE	38	21	59	35	30	65	27	27	54	100	78	178
2	ADITI MAHAVIDYALYA (W)	0	42	42	0	44	44	0	63	63	0	149	149
Total (Day):		38	63	101	35	74	109	27	90	117	100	227	327
Total (Day + Eve):		38	63	101	35	74	109	27	90	117	100	227	327
Total (Regular):		38	63	101	35	74	109	27	90	117	100	227	327
Grand Total :		38	63	101	35	74	109	27	90	117	100	227	327

## B.A. (H) BUSINESS ECONOMICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHIM RAO AMBEDKAR COLLEGE	61	7	68	35	8	43	45	9	54	141	24	165
2	COLLEGE OF VOCATIONAL STUDIES	48	14	62	42	19	61	45	12	57	135	45	180
3	GARGI COLLEGE (W)	0	44	44	0	45	45	0	43	43	0	132	132
4	LAKSHMIBAI COLLEGE (W)	0	24	24	0	28	28	0	28	28	0	80	80
5	S.G.T.B. KHALSA COLLEGE	26	13	39	21	12	33	31	11	42	78	36	114
6	SHIVAJI COLLEGE	50	9	59	51	11	62	47	8	55	148	28	176
7	SRI G.G.S. COLLEGE OF COMMERCE	27	13	40	22	13	35	35	6	41	84	32	116
8	MAHARAJA AGARSEN CO-ED. COLLEGE	39	7	46	25	16	41	28	12	40	92	35	127
9	SHRI GURU NANAK DEV KHALSA COLLEG	31	14	45	16	8	24	23	14	37	70	36	106
Total (Day):		282	145	427	212	160	372	254	143	397	748	448	1196
10	ARYABHATTA COLLEGE	40	7	47	35	16	51	33	10	43	108	33	141
Total (Eve):		40	7	47	35	16	51	33	10	43	108	33	141
Total (Day + Eve):		322	152	474	247	176	423	287	153	440	856	481	1337
Total (Regular):		322	152	474	247	176	423	287	153	440	856	481	1337
Grand Total :		322	152	474	247	176	423	287	153	440	856	481	1337

## B.A. (H) MUSIC

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	13	13	0	14	14	0	7	7	0	34	34
2	HINDU COLLEGE	22	0	22	17	0	17	20	1	21	59	1	60
3	I.P. COLLEGE (W)	0	8	8	0	9	9	0	6	6	0	23	23
4	MIRANDA HOUSE (W)	0	13	13	0	9	9	0	13	13	0	35	35
5	RAMJAS COLLEGE	25	0	25	31	0	31	16	0	16	72	0	72
Total (Day):		47	34	81	48	32	80	36	27	63	131	93	224
Total (Day + Eve):		47	34	81	48	32	80	36	27	63	131	93	224
Total (Regular):		47	34	81	48	32	80	36	27	63	131	93	224
Grand Total :		47	34	81	48	32	80	36	27	63	131	93	224

## B.A. (H) HUMANITIES AND SOCIAL SCIEN

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	CLUSTER INNOVATION CENTRE (CIC)	41	5	46	34	7	41	34	5	39	109	17	126
Total (Deptt) Day:		41	5	46	34	7	41	34	5	39	109	17	126
Total (Deptt.) D+E:		41	5	46	34	7	41	34	5	39	109	17	126
Total (Regular):		41	5	46	34	7	41	34	5	39	109	17	126
Grand Total :		41	5	46	34	7	41	34	5	39	109	17	126

## B.COM. (HONS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	69	94	163	98	62	160	31	112	143	198	268	466

2	ACHARYA NARENDRA DEV COLLEGE	66	36	102	70	28	98	71	28	99	207	92	299
3	BHARATI COLLEGE (W)	0	92	92	0	112	112	0	112	112	0	316	316
4	BHIM RAO AMBEDKAR COLLEGE	72	42	114	96	40	136	70	49	119	238	131	369
5	COLLEGE OF VOCATIONAL STUDIES	82	42	124	59	14	73	64	23	87	205	79	284
6	DAULAT RAM COLLEGE (W)	0	118	118	0	110	110	0	134	134	0	362	362
7	DEEN DAYAL UPADHYAYA COLLEGE	79	52	131	89	47	136	51	96	147	219	195	414
8	DELHI COLLEGE OF ARTS & COMMERCE	72	27	99	71	26	97	221	160	381	364	213	577
9	DESHBANDHU COLLEGE	69	19	88	37	26	63	33	14	47	139	59	198
10	DYAL SINGH COLLEGE	117	99	216	76	99	175	51	169	220	244	367	611
11	GARGI COLLEGE (W)	0	150	150	0	180	180	0	127	127	0	457	457
12	HANS RAJ COLLEGE	134	101	235	142	113	255	148	106	254	424	320	744
13	HINDU COLLEGE	44	27	71	46	29	75	43	23	66	133	79	212
14	I.P. COLLEGE (W)	0	97	97	0	119	119	0	110	110	0	326	326
15	JANKI DEVI MEMORIAL COLLEGE (W)	0	130	130	0	142	142	0	129	129	0	401	401
16	JESUS & MARY COLLEGE (W)	0	120	120	0	124	124	0	108	108	0	352	352
17	KALINDI COLLEGE (W)	0	69	69	0	24	24	0	38	38	0	131	131
18	KAMALA NEHRU COLLEGE (W)	0	67	67	0	51	51	0	54	54	0	172	172
19	KIRORI MAL COLLEGE	77	51	128	66	47	113	62	53	115	205	151	356
20	LADY SHRI RAM COLLEGE (W)	0	69	69	0	74	74	0	61	61	0	204	204
21	LAKSHMIBAI COLLEGE (W)	0	64	64	0	88	88	0	110	110	0	262	262
22	MAITREYI COLLEGE (W)	0	59	59	0	116	116	0	71	71	0	246	246
23	MATA SUNDRI COLLEGE (W)	0	184	184	0	356	356	0	170	170	0	710	710
24	MOTILAL NEHRU COLLEGE	99	56	155	85	69	154	26	106	132	210	231	441
25	P.G.D.A.V. COLLEGE	101	74	175	119	63	182	113	60	173	333	197	530
26	RAJDHANI COLLEGE	88	35	123	158	86	244	99	81	180	345	202	547
27	RAMLAL ANAND COLLEGE	36	15	51	28	13	41	19	16	35	83	44	127
28	RAMJAS COLLEGE	90	43	133	80	48	128	62	44	106	232	135	367
29	S.G.T.B. KHALSA COLLEGE	118	65	183	100	78	178	88	56	144	306	199	505
30	SATYAWATI COLLEGE	103	41	144	86	93	179	104	84	188	293	218	511
31	SHAHEED BHAGAT SINGH COLLEGE	298	140	438	302	131	433	262	97	359	862	368	1230
32	SHIVAJI COLLEGE	43	50	93	45	39	84	25	61	86	113	150	263
33	SHYAM LAL COLLEGE	93	66	159	103	52	155	94	89	183	290	207	497
34	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	73	73	0	62	62	0	62	62	0	197	197
35	SRI AUROBINDO COLLEGE	63	28	91	67	20	87	78	17	95	208	65	273
36	SRI G.G.S. COLLEGE OF COMMERCE	119	109	228	151	149	300	187	141	328	457	399	856
37	SRI RAM COLLEGE OF COMMERCE	327	338	665	373	283	656	325	287	612	1025	908	1933
38	SRI VENKATESWARA COLLEGE	65	76	141	80	47	127	59	34	93	204	157	361
39	VIVEKANANDA COLLEGE (W)	0	69	69	0	99	99	0	98	98	0	266	266
40	ZAKIR HUSAIN DELHI COLLEGE	53	29	82	65	33	98	88	9	97	206	71	277
41	KESHAV MAHAVIDYALAYA	110	57	167	104	68	172	93	41	134	307	166	473
42	ADITI MAHAVIDYALAYA (W)	0	51	51	0	33	33	0	43	43	0	127	127
43	MAHARAJA AGARSEN CO-ED. COLLEGE	100	49	149	109	45	154	100	49	149	309	143	452
44	SHRI GURU NANAK DEV KHALSA COLLEG	90	16	106	114	31	145	76	24	100	280	71	351
Total (Day):		2877	3289	6166	3019	3569	6588	2743	3556	6299	8639	10414	19053
45	RAMANUJAN COLLEGE	46	52	98	53	49	102	84	24	108	183	125	308
46	DYAL SINGH COLLEGE (EVE.)	40	35	75	73	18	91	29	43	72	142	96	238

47	MOTILAL NEHRU COLLEGE (EVE.)	44	16	60	67	15	82	33	19	52	144	50	194
48	P.G.D.A.V. COLLEGE (EVE.)	90	20	110	61	12	73	56	21	77	207	53	260
49	ARYABHATTA COLLEGE	47	37	84	60	16	76	25	33	58	132	86	218
50	SATYAWATI COLLEGE (EVE.)	101	30	131	66	24	90	72	47	119	239	101	340
51	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	30	20	50	38	14	52	40	44	84	108	78	186
52	SHYAM LAL COLLEGE (EVE.)	28	8	36	52	14	66	27	21	48	107	43	150
53	SRI AUROBINDO COLLEGE (EVE.)	49	13	62	45	11	56	47	9	56	141	33	174
54	ZAKIR HUSAIN P.G. EVENING COLLEGE	127	35	162	36	12	48	93	19	112	256	66	322
Total (Eve):		602	266	868	551	185	736	506	280	786	1659	731	2390
Total (Day + Eve):		3479	3555	7034	3570	3754	7324	3249	3836	7085	10298	11145	21443
Total (Regular):		3479	3555	7034	3570	3754	7324	3249	3836	7085	10298	11145	21443
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55	SCHOOL OF OPEN LEARNING	3915	2384	6299	3137	2257	5394	3191	2413	5604	10243	7054	17297
Total (Nonformal):		3915	2384	6299	3137	2257	5394	3191	2413	5604	10243	7054	17297
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Grand Total :		7394	5939	13333	6707	6011	12718	6440	6249	12689	20541	18199	38740
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B.COM.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	127	63	190	89	38	127	73	75	148	289	176	465
2	BHARATI COLLEGE (W)	0	122	122	0	157	157	0	151	151	0	430	430
3	BHIM RAO AMBEDKAR COLLEGE	98	73	171	142	50	192	93	79	172	333	202	535
4	DAULAT RAM COLLEGE (W)	0	83	83	0	92	92	0	138	138	0	313	313
5	DELHI COLLEGE OF ARTS & COMMERCE	113	35	148	132	32	164	101	22	123	346	89	435
6	DYAL SINGH COLLEGE	152	77	229	110	64	174	77	113	190	339	254	593
7	GARGI COLLEGE (W)	0	181	181	0	187	187	0	181	181	0	549	549
8	JANKI DEVI MEMORIAL COLLEGE (W)	0	115	115	0	96	96	0	167	167	0	378	378
9	JESUS & MARY COLLEGE (W)	0	54	54	0	60	60	0	57	57	0	171	171
10	KALINDI COLLEGE (W)	0	105	105	0	82	82	0	95	95	0	282	282
11	KAMALA NEHRU COLLEGE (W)	0	99	99	0	114	114	0	101	101	0	314	314
12	KIRORI MAL COLLEGE	74	53	127	71	46	117	86	40	126	231	139	370
13	LAKSHMIBAI COLLEGE (W)	0	174	174	0	173	173	0	147	147	0	494	494
14	MAITREYI COLLEGE (W)	0	88	88	0	142	142	0	126	126	0	356	356
15	MATA SUNDRI COLLEGE (W)	0	156	156	0	174	174	0	204	204	0	534	534
16	MOTILAL NEHRU COLLEGE	148	80	228	119	68	187	185	125	310	452	273	725
17	P.G.D.A.V. COLLEGE	170	118	288	197	123	320	225	104	329	592	345	937

18	RAMLAL ANAND COLLEGE	61	20	81	73	14	87	58	19	77	192	53	245
19	RAMJAS COLLEGE	66	67	133	69	35	104	79	43	122	214	145	359
20	S.G.T.B. KHALSA COLLEGE	56	30	86	55	19	74	61	20	81	172	69	241
21	SATYAWATI COLLEGE	132	40	172	166	121	287	163	82	245	461	243	704
22	SHAHEED BHAGAT SINGH COLLEGE	139	64	203	162	48	210	142	35	177	443	147	590
23	SHIVAJI COLLEGE	126	42	168	72	23	95	56	37	93	254	102	356
24	SHYAM LAL COLLEGE	110	73	183	111	46	157	91	62	153	312	181	493
25	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	131	131	0	77	77	0	102	102	0	310	310
26	SRI AUROBINDO COLLEGE	249	98	347	232	75	307	240	56	296	721	229	950
27	SRI G.G.S. COLLEGE OF COMMERCE	106	62	168	96	80	176	156	72	228	358	214	572
28	SRI VENKATESWARA COLLEGE	67	37	104	75	42	117	48	51	99	190	130	320
29	SWAMI SHRADDHANAND COLLEGE	301	68	369	509	253	762	312	160	472	1122	481	1603
30	VIVEKANANDA COLLEGE (W)	0	101	101	0	139	139	0	126	126	0	366	366
31	ZAKIR HUSAIN DELHI COLLEGE	46	19	65	57	19	76	57	14	71	160	52	212
32	BHAGINI NIVEDITA COLLEGE (W)	0	158	158	0	63	63	0	74	74	0	295	295
33	ADITI MAHAVIDYALYA (W)	0	64	64	0	37	37	0	78	78	0	179	179
34	SHRI GURU NANAK DEV KHALSA COLLEG	148	35	183	203	51	254	140	31	171	491	117	608
Total (Day):		2489	2785	5274	2740	2840	5580	2443	2987	5430	7672	8612	16284
35	RAMANUJAN COLLEGE	123	89	212	111	75	186	187	46	233	421	210	631
36	DYAL SINGH COLLEGE (EVE.)	183	71	254	168	32	200	105	72	177	456	175	631
37	MOTILAL NEHRU COLLEGE (EVE.)	100	18	118	97	15	112	55	30	85	252	63	315
38	P.G.D.A.V. COLLEGE (EVE.)	180	53	233	136	55	191	153	55	208	469	163	632
39	ARYABHATTA COLLEGE	30	17	47	103	46	149	62	17	79	195	80	275
40	SATYAWATI COLLEGE (EVE.)	110	27	137	133	29	162	111	89	200	354	145	499
41	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	275	112	387	288	86	374	186	132	318	749	330	1079
42	SHYAM LAL COLLEGE (EVE.)	130	38	168	126	47	173	121	67	188	377	152	529
43	SRI AUROBINDO COLLEGE (EVE.)	145	31	176	180	70	250	178	23	201	503	124	627
44	ZAKIR HUSAIN P.G. EVENING COLLEGE	193	43	236	74	12	86	87	19	106	354	74	428
Total (Eve):		1469	499	1968	1416	467	1883	1245	550	1795	4130	1516	5646
Total (Day + Eve):		3958	3284	7242	4156	3307	7463	3688	3537	7225	11802	10128	21930
Total (Regular):		3958	3284	7242	4156	3307	7463	3688	3537	7225	11802	10128	21930
45	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	3429	3429	0	3971	3971	0	1967	1967	0	9367	9367
46	SCHOOL OF OPEN LEARNING	19357	11280	30637	15429	10838	26267	22001	14989	36990	56787	37107	93894
Total (Nonformal):		19357	14709	34066	15429	14809	30238	22001	16956	38957	56787	46474	103261
Grand Total :		23315	17993	41308	19585	18116	37701	25689	20493	46182	68589	56602	125191



## B.MANAGEMENT STUDIES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	45	45	0	0	0	0	0	0	0	45	45
2	SHAHEED SUKHDEV COLL.OF BUSINESS	136	60	196	124	75	199	103	83	186	363	218	581
3	COLLEGE OF VOCATIONAL STUDIES	35	14	49	0	0	0	0	0	0	35	14	49
4	DEEN DAYAL UPADHYAYA COLLEGE	35	14	49	23	21	44	18	22	40	76	57	133
5	RAMLAL ANAND COLLEGE	35	12	47	0	0	0	0	0	0	35	12	47
6	SRI G.G.S. COLLEGE OF COMMERCE	24	26	50	0	0	0	0	0	0	24	26	50
7	KESHAV MAHAVIDHALAYA	36	13	49	25	19	44	28	18	46	89	50	139
Total (Day):		301	184	485	172	115	287	149	123	272	622	422	1044
8	RAMANUJAN COLLEGE	37	8	45	27	16	43	0	0	0	64	24	88
9	ARYABHATTA COLLEGE	36	11	47	0	0	0	0	0	0	36	11	47
Total (Eve):		73	19	92	27	16	43	0	0	0	100	35	135
Total (Day + Eve):		374	203	577	199	131	330	149	123	272	722	457	1179
Total (Regular):		374	203	577	199	131	330	149	123	272	722	457	1179
Grand Total :		374	203	577	199	131	330	149	123	272	722	457	1179

## B.F.I.A. (B.FIN. &amp; INVEST. ANALYSIS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	46	46	0	0	0	0	0	0	0	46	46
2	SHAHEED SUKHDEV COLL.OF BUSINESS	66	29	95	42	19	61	39	26	65	147	74	221
Total (Day):		66	75	141	42	19	61	39	26	65	147	120	267
Total (Day + Eve):		66	75	141	42	19	61	39	26	65	147	120	267
Total (Regular):		66	75	141	42	19	61	39	26	65	147	120	267
Grand Total :		66	75	141	42	19	61	39	26	65	147	120	267

B.M.M.M.C. (B.MASS MEDIA & MASS COMMUNICATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	I.P. COLLEGE (W)	0	52	52	0	47	47	0	50	50	0	149	149
Total (Day):		0	52	52	0	47	47	0	50	50	0	149	149
Total (Day + Eve):		0	52	52	0	47	47	0	50	50	0	149	149
Total (Regular):		0	52	52	0	47	47	0	50	50	0	149	149
Grand Total :		0	52	52	0	47	47	0	50	50	0	149	149

B.Sc PHYSICAL SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	148	22	170	139	37	176	138	70	208	425	129	554
2	ACHARYA NARENDRA DEV COLLEGE	129	19	148	99	32	131	80	19	99	308	70	378
3	DEEN DAYAL UPADHYAYA COLLEGE	53	16	69	10	43	53	20	54	74	83	113	196
4	DESHBANDHU COLLEGE	158	25	183	123	25	148	82	9	91	363	59	422
5	DYAL SINGH COLLEGE	181	31	212	122	35	157	101	69	170	404	135	539
6	GARGI COLLEGE (W)	0	72	72	0	53	53	0	64	64	0	189	189
7	HANS RAJ COLLEGE	46	6	52	31	23	54	70	6	76	147	35	182
8	HINDU COLLEGE	69	26	95	40	5	45	34	9	43	143	40	183
9	KALINDI COLLEGE (W)	0	47	47	0	46	46	0	38	38	0	131	131
10	KIRORI MAL COLLEGE	132	24	156	130	23	153	121	20	141	383	67	450
11	MAITREYI COLLEGE (W)	0	60	60	0	55	55	0	51	51	0	166	166
12	MOTILAL NEHRU COLLEGE	35	17	52	45	12	57	34	5	39	114	34	148
13	RAJDHANI COLLEGE	61	20	81	46	17	63	36	11	47	143	48	191
14	RAMJAS COLLEGE	154	34	188	147	32	179	127	22	149	428	88	516
15	S.G.T.B. KHALSA COLLEGE	42	20	62	46	16	62	60	13	73	148	49	197
16	SHIVAJI COLLEGE	25	7	32	29	2	31	15	7	22	69	16	85
17	SHYAM LAL COLLEGE	207	56	263	180	52	232	118	66	184	505	174	679
18	SRI AUROBINDO COLLEGE	77	12	89	80	14	94	67	9	76	224	35	259
19	ST. STEPHEN'S COLLEGE	12	10	22	19	9	28	11	4	15	42	23	65
20	SWAMI SHRADDHANAND COLLEGE	73	17	90	52	30	82	67	21	88	192	68	260
21	ZAKIR HUSAIN DELHI COLLEGE	100	7	107	54	7	61	45	8	53	199	22	221
Total (Day):		1702	548	2250	1392	568	1960	1226	575	1801	4320	1691	6011

Total (Day + Eve):	1702	548	2250	1392	568	1960	1226	575	1801	4320	1691	6011
Total (Regular):	1702	548	2250	1392	568	1960	1226	575	1801	4320	1691	6011
Grand Total :	1702	548	2250	1392	568	1960	1226	575	1801	4320	1691	6011

#### B.Sc LIFE SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	22	38	60	26	37	63	19	27	46	67	102	169
2	DAULAT RAM COLLEGE (W)	0	70	70	0	78	78	0	67	67	0	215	215
3	DEEN DAYAL UPADHYAYA COLLEGE	12	24	36	17	35	52	3	27	30	32	86	118
4	DESHBANDHU COLLEGE	31	27	58	40	42	82	19	19	38	90	88	178
5	DYAL SINGH COLLEGE	31	67	98	21	35	56	13	48	61	65	150	215
6	GARGI COLLEGE (W)	0	102	102	0	68	68	0	63	63	0	233	233
7	HANS RAJ COLLEGE	28	35	63	38	22	60	21	54	75	87	111	198
8	KALINDI COLLEGE (W)	0	66	66	0	76	76	0	70	70	0	212	212
9	KIRORI MAL COLLEGE	21	29	50	17	30	47	11	16	27	49	75	124
10	MAITREYI COLLEGE (W)	0	105	105	0	104	104	0	84	84	0	293	293
11	MIRANDA HOUSE (W)	0	38	38	0	39	39	0	38	38	0	115	115
12	RAMJAS COLLEGE	48	73	121	82	150	232	51	88	139	181	311	492
13	S.G.T.B. KHALSA COLLEGE	13	45	58	11	33	44	14	23	37	38	101	139
14	SHIVAJI COLLEGE	24	65	89	34	82	116	23	70	93	81	217	298
15	SRI AUROBINDO COLLEGE	27	33	60	22	32	54	23	26	49	72	91	163
16	SRI VENKATESWARA COLLEGE	43	77	120	36	75	111	29	65	94	108	217	325
17	SWAMI SHRADDHANAND COLLEGE	51	37	88	74	37	111	47	45	92	172	119	291
18	ZAKIR HUSAIN DELHI COLLEGE	50	47	97	23	32	55	25	20	45	98	99	197
Total (Day):		401	978	1379	441	1007	1448	298	850	1148	1140	2835	3975
Total (Day + Eve):		401	978	1379	441	1007	1448	298	850	1148	1140	2835	3975
Total (Regular):		401	978	1379	441	1007	1448	298	850	1148	1140	2835	3975
Grand Total :		401	978	1379	441	1007	1448	298	850	1148	1140	2835	3975

## B.Sc APPLIED PHYSICAL SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	29	7	36	34	14	48	27	14	41	90	35	125
2	DESHBANDHU COLLEGE	61	12	73	78	33	111	64	11	75	203	56	259
3	HINDU COLLEGE	31	0	31	22	4	26	31	3	34	84	7	91
4	KIRORI MAL COLLEGE	29	9	38	22	6	28	23	3	26	74	18	92
5	MIRANDA HOUSE (W)	0	30	30	0	36	36	0	36	36	0	102	102
6	MOTILAL NEHRU COLLEGE	25	5	30	26	1	27	24	4	28	75	10	85
7	RAJDHANI COLLEGE	46	15	61	14	2	16	33	4	37	93	21	114
8	SHIVAJI COLLEGE	64	10	74	38	12	50	28	12	40	130	34	164
9	ST. STEPHEN'S COLLEGE	12	8	20	10	10	20	14	5	19	36	23	59
10	BHAGINI NIVEDITA COLLEGE (W)	0	80	80	0	45	45	0	47	47	0	172	172
11	KESHAV MAHAVIDHALAYA	26	12	38	30	7	37	30	6	36	86	25	111
12	MAHARAJA AGARSEN CO-ED. COLLEGE	33	17	50	36	11	47	32	9	41	101	37	138
Total (Day):		356	205	561	310	181	491	306	154	460	972	540	1512
Total (Day + Eve):		356	205	561	310	181	491	306	154	460	972	540	1512
Total (Regular):		356	205	561	310	181	491	306	154	460	972	540	1512
Grand Total :		356	205	561	310	181	491	306	154	460	972	540	1512

## B.Sc. APPLIED LIFE SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SWAMI SHRADDHANAND COLLEGE	19	24	43	18	12	30	16	10	26	53	46	99
Total (Day):		19	24	43	18	12	30	16	10	26	53	46	99
Total (Day + Eve):		19	24	43	18	12	30	16	10	26	53	46	99
Total (Regular):		19	24	43	18	12	30	16	10	26	53	46	99
Grand Total :		19	24	43	18	12	30	16	10	26	53	46	99

## B.Sc. (Hons)

S.No.	College/Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	258	70	328	235	40	275	157	107	264	0	0	0	0	0	0	650	217	867
2	ACHARYA NARENDRA DEV COLLEGE	292	120	412	233	137	370	196	96	292	0	0	0	0	0	0	721	353	1074
3	BHARATI COLLEGE (W)	0	67	67	0	0	0	0	0	0	0	0	0	0	0	0	0	67	67
4	SHAHEED RAJ GURU COLL. OF APP.S	0	479	479	0	315	315	0	227	227	0	0	0	0	0	0	0	1021	1021
5	SHAHEED SUKHDEV COLL.OF BUSINES	41	10	51	34	9	43	47	11	58	0	0	0	0	0	0	122	30	152
6	COLLEGE OF VOCATIONAL STUDIES	44	10	54	41	19	60	39	6	45	0	0	0	0	0	0	124	35	159
7	DAULAT RAM COLLEGE (W)	0	212	212	0	213	213	0	184	184	0	0	0	0	0	0	0	609	609
8	DEEN DAYAL UPADHYAYA COLLEGE	213	130	343	206	144	350	135	141	276	0	0	0	0	0	0	554	415	969
9	DESHBANDHU COLLEGE	273	84	357	244	145	389	218	90	308	0	0	0	0	0	0	735	319	1054
10	DYAL SINGH COLLEGE	237	97	334	186	95	281	133	189	322	0	0	0	0	0	0	556	381	937
11	GARGI COLLEGE (W)	0	298	298	0	237	237	0	204	204	0	0	0	0	0	0	0	739	739
12	HANS RAJ COLLEGE	326	208	534	349	237	586	326	200	526	0	0	0	0	0	0	1001	645	1646
13	HINDU COLLEGE	251	122	373	230	95	325	170	103	273	0	0	0	0	0	0	651	320	971
14	I.P. COLLEGE (W)	0	78	78	0	89	89	0	97	97	0	0	0	0	0	0	0	264	264
15	INSTITUTE OF HOME ECONOMICS (W)	0	239	239	0	168	168	0	166	166	0	0	0	0	0	0	0	573	573
16	JANKI DEVI MEMORIAL COLLEGE (W)	0	82	82	0	89	89	0	87	87	0	0	0	0	0	0	0	258	258
17	JESUS & MARY COLLEGE (W)	0	42	42	0	59	59	0	70	70	0	0	0	0	0	0	0	171	171
18	KALINDI COLLEGE (W)	0	270	270	0	112	112	0	111	111	0	0	0	0	0	0	0	493	493
19	KAMALA NEHRU COLLEGE (W)	0	31	31	0	37	37	0	42	42	0	0	0	0	0	0	0	110	110
20	KIRORI MAL COLLEGE	365	158	523	343	113	456	308	118	426	0	0	0	0	0	0	1016	389	1405
21	LADY IRWIN COLLEGE (W)	0	179	179	0	113	113	0	110	110	0	0	0	0	0	0	0	402	402
22	LADY SHRI RAM COLLEGE (W)	0	73	73	0	77	77	0	71	71	0	0	0	0	0	0	0	221	221
23	LAKSHMIBAI COLLEGE (W)	0	35	35	0	48	48	0	50	50	0	0	0	0	0	0	0	133	133
24	MAITREYI COLLEGE (W)	0	175	175	0	171	171	0	211	211	0	0	0	0	0	0	0	557	557
25	MATA SUNDRI COLLEGE (W)	0	148	148	0	65	65	0	49	49	0	0	0	0	0	0	0	262	262
26	MIRANDA HOUSE (W)	0	341	341	0	347	347	0	304	304	0	0	0	0	0	0	0	992	992
27	MOTILAL NEHRU COLLEGE	155	49	204	130	30	160	90	34	124	0	0	0	0	0	0	375	113	488
28	P.G.D.A.V. COLLEGE	120	45	165	127	26	153	87	25	112	0	0	0	0	0	0	334	96	430
29	R.A.K. COLLEGE OF NURSING (W)	0	64	64	0	62	62	0	65	65	0	65	65	0	0	0	0	256	256
30	RAJDHANI COLLEGE	263	56	319	184	38	222	272	106	378	0	0	0	0	0	0	719	200	919
31	RAMLAL ANAND COLLEGE	145	43	188	88	47	135	83	62	145	0	0	0	0	0	0	316	152	468
32	RAMJAS COLLEGE	314	133	447	468	194	662	279	130	409	0	0	0	0	0	0	1061	457	1518
33	S.G.T.B. KHALSA COLLEGE	177	145	322	118	106	224	128	89	217	0	0	0	0	0	0	423	340	763
34	SATYAWATI COLLEGE	39	11	50	23	30	53	51	26	77	0	0	0	0	0	0	113	67	180
35	SHAHEED BHAGAT SINGH COLLEGE	34	22	56	30	22	52	33	3	36	0	0	0	0	0	0	97	47	144
36	SHIVAJI COLLEGE	190	115	305	196	88	284	150	148	298	0	0	0	0	0	0	536	351	887
37	SHYAMA PRASAD MUKHERJI COLLEGE (	0	103	103	0	125	125	0	82	82	0	0	0	0	0	0	0	310	310
38	SRI AUROBINDO COLLEGE	38	4	42	46	7	53	23	0	23	0	0	0	0	0	0	107	11	118
39	SRI G.G.S. COLLEGE OF COMMERCE	31	25	56	40	23	63	23	24	47	0	0	0	0	0	0	94	72	166
40	SRI VENKATESWARA COLLEGE	265	218	483	223	163	386	251	137	388	0	0	0	0	0	0	739	518	1257
41	ST. STEPHEN'S COLLEGE	78	74	152	73	71	144	81	72	153	0	0	0	0	0	0	232	217	449
42	SWAMI SHRADDHANAND COLLEGE	100	66	166	115	72	187	102	55	157	0	0	0	0	0	0	317	193	510
43	VIVEKANANDA COLLEGE (W)	0	59	59	0	55	55	0	54	54	0	0	0	0	0	0	0	168	168
44	ZAKIR HUSAIN DELHI COLLEGE	155	60	215	120	50	170	170	64	234	0	0	0	0	0	0	445	174	619
45	BHAGINI NIVEDITA COLLEGE (W)	0	54	54	0	32	32	0	0	0	0	0	0	0	0	0	0	86	86

46 KESHAV MAHAVIDHALAYA	168	54	222	156	53	209	140	55	195	0	0	0	0	0	0	464	162	626
47 MAHARAJA AGARSEN CO-ED. COLLEGE	40	7	47	29	3	32	30	6	36	0	0	0	0	0	0	99	16	115
48 BHASKARACHARYA COLL. OF APP. SC	366	145	511	205	74	279	222	97	319	0	0	0	0	0	0	793	316	1109
49 SHRI GURU NANAK DEV KHALSA COLL	66	12	78	0	0	0	0	0	0	0	0	0	0	0	0	66	12	78
50 AHILYA BAI COLLEGE OF NURSING	0	42	42	0	40	40	0	37	37	0	38	38	0	0	0	0	157	157
51 ARMY HOSPITAL COLLEGE OF NURSIN	0	30	30	0	30	30	0	28	28	0	30	30	0	0	0	0	118	118
52 HOLLY FAMILY	0	52	52	0	50	50	0	48	48	0	50	50	0	0	0	0	200	200
-----																		
Total (Day):	5044	5446	10490	4472	4665	9137	3944	4491	8435	0	183	183	0	0	0	13460	14785	28245
-----																		
53 RAMANUJAN COLLEGE	120	15	135	113	17	130	0	0	0	0	0	0	0	0	0	233	32	265
54 P.G.D.A.V. COLLEGE (EVE.)	34	3	37	43	5	48	42	7	49	0	0	0	0	0	0	119	15	134
55 ARYABHATTA COLLEGE	86	20	106	74	7	81	0	0	0	0	0	0	0	0	0	160	27	187
-----																		
Total (Eve):	240	38	278	230	29	259	42	7	49	0	0	0	0	0	0	512	74	586
-----																		
Total (Day + Eve):	5284	5484	10768	4702	4694	9396	3986	4498	8484	0	183	183	0	0	0	13972	14859	28831
-----																		
Total (Regular):	5284	5484	10768	4702	4694	9396	3986	4498	8484	0	183	183	0	0	0	13972	14859	28831
=====																		
Grand Total:	5284	5484	10768	4702	4694	9396	3986	4498	8484	0	183	183	0	0	0	13972	14859	28831
=====																		

#### B.Sc. (Hons) Subject-wise

S.No.	Subject/Course	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	MATHEMATICS	1233	1262	2495	1138	1179	2317	885	1125	2010	0	0	0	0	0	0	3256	3566	6822
2	STATISTICS	200	220	420	226	124	350	144	101	245	0	0	0	0	0	0	570	445	1015
3	COMPUTER SCIENCE	721	431	1152	554	374	928	462	375	837	0	0	0	0	0	0	1737	1180	2917
4	ANTHROPOLOGY	9	22	31	23	14	37	16	20	36	0	0	0	0	0	0	48	56	104
5	BOTANY	271	570	841	243	484	727	198	535	733	0	0	0	0	0	0	712	1589	2301
6	CHEMISTRY	783	599	1382	717	512	1229	586	469	1055	0	0	0	0	0	0	2086	1580	3666
7	GEOLOGY	58	21	79	48	36	84	44	24	68	0	0	0	0	0	0	150	81	231
8	HOME SCIENCE	0	252	252	0	213	213	0	204	204	0	0	0	0	0	0	0	669	669
9	NURSING	0	188	188	0	182	182	0	178	178	0	183	183	0	0	0	0	731	731
10	PHYSICS	1004	543	1547	957	515	1472	896	447	1343	0	0	0	0	0	0	2857	1505	4362
11	ZOOLOGY	280	630	910	248	497	745	191	465	656	0	0	0	0	0	0	719	1592	2311
12	POLYMER SC.	35	8	43	37	13	50	35	5	40	0	0	0	0	0	0	107	26	133
13	BIO-CHEMISTRY	48	173	221	48	138	186	37	111	148	0	0	0	0	0	0	133	422	555
14	ELECTRONICS	429	94	523	333	119	452	330	98	428	0	0	0	0	0	0	1092	311	1403
15	MICRO-BIOLOGY	52	161	213	45	107	152	53	126	179	0	0	0	0	0	0	150	394	544
16	BIO-MEDICAL SCIENCES	42	92	134	27	81	108	24	93	117	0	0	0	0	0	0	93	266	359
17	BIOLOGICAL SCIENCE	25	29	54	9	21	30	10	19	29	0	0	0	0	0	0	44	69	113
18	FOOD TECHNOLOGY	28	144	172	21	54	75	21	58	79	0	0	0	0	0	0	70	256	326

19 INSTRUMENTATION	66	45	111	28	31	59	54	45	99	0	0	0	0	0	0	148	121	269
Total :	5284	5484	10768	4702	4694	9396	3986	4498	8484	0	183	183	0	0	0	13972	14859	28831

#### B.SC.(H) MATHEMATICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	59	25	84	60	14	74	30	28	58	149	67	216
2	ACHARYA NARENDRA DEV COLLEGE	42	12	54	43	8	51	28	7	35	113	27	140
3	BHARATI COLLEGE (W)	0	67	67	0	0	0	0	0	0	0	67	67
4	SHAHEED RAJ GURU COLL. OF APP.SCS	0	49	49	0	51	51	0	0	0	0	100	100
5	DAULAT RAM COLLEGE (W)	0	57	57	0	55	55	0	49	49	0	161	161
6	DEEN DAYAL UPADHYAYA COLLEGE	34	37	71	48	17	65	31	30	61	113	84	197
7	DESHBANDHU COLLEGE	81	10	91	81	18	99	76	11	87	238	39	277
8	DYAL SINGH COLLEGE	69	32	101	69	38	107	67	74	141	205	144	349
9	GARGI COLLEGE (W)	0	50	50	0	46	46	0	0	0	0	96	96
10	HANS RAJ COLLEGE	47	24	71	44	29	73	32	27	59	123	80	203
11	HINDU COLLEGE	32	11	43	36	19	55	30	14	44	98	44	142
12	I.P. COLLEGE (W)	0	41	41	0	44	44	0	48	48	0	133	133
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	82	82	0	89	89	0	87	87	0	258	258
14	JESUS & MARY COLLEGE (W)	0	42	42	0	59	59	0	70	70	0	171	171
15	KALINDI COLLEGE (W)	0	38	38	0	28	28	0	30	30	0	96	96
16	KAMALA NEHRU COLLEGE (W)	0	31	31	0	37	37	0	42	42	0	110	110
17	KIRORI MAL COLLEGE	60	22	82	66	14	80	51	21	72	177	57	234
18	LADY SHRI RAM COLLEGE (W)	0	44	44	0	48	48	0	43	43	0	135	135
19	LAKSHMIBAI COLLEGE (W)	0	35	35	0	48	48	0	50	50	0	133	133
20	MAITREYI COLLEGE (W)	0	41	41	0	38	38	0	39	39	0	118	118
21	MATA SUNDRI COLLEGE (W)	0	64	64	0	65	65	0	49	49	0	178	178
22	MIRANDA HOUSE (W)	0	82	82	0	84	84	0	74	74	0	240	240
23	MOTILAL NEHRU COLLEGE	65	25	90	41	13	54	28	29	57	134	67	201
24	P.G.D.A.V. COLLEGE	29	9	38	44	5	49	32	4	36	105	18	123
25	RAJDHANI COLLEGE	78	12	90	57	4	61	40	31	71	175	47	222
26	RAMLAL ANAND COLLEGE	40	2	42	0	0	0	0	0	0	40	2	42
27	RAMJAS COLLEGE	50	14	64	76	24	100	46	9	55	172	47	219
28	S.G.T.B. KHALSA COLLEGE	38	25	63	30	16	46	20	8	28	88	49	137
29	SATYAWATI COLLEGE	39	11	50	23	30	53	51	26	77	113	67	180
30	SHAHEED BHAGAT SINGH COLLEGE	34	22	56	30	22	52	33	3	36	97	47	144
31	SHIVAJI COLLEGE	74	20	94	94	17	111	83	40	123	251	77	328
32	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	44	44	0	45	45	0	47	47	0	136	136
33	SRI VENKATESWARA COLLEGE	61	33	94	71	31	102	63	25	88	195	89	284
34	ST. STEPHEN'S COLLEGE	24	26	50	24	27	51	27	25	52	75	78	153
35	VIVEKANANDA COLLEGE (W)	0	59	59	0	55	55	0	54	54	0	168	168
36	ZAKIR HUSAIN DELHI COLLEGE	51	10	61	46	6	52	48	5	53	145	21	166
37	KESHAV MAHAVIDHALAYA	35	20	55	30	19	49	27	19	46	92	58	150

38	SHRI GURU NANAK DEV KHALSA COLLEG	66	12	78	0	0	0	0	0	0	66	12	78
Total (Day):		1108	1240	2348	1013	1163	2176	843	1118	1961	2964	3521	6485
39	RAMANUJAN COLLEGE	48	4	52	44	6	50	0	0	0	92	10	102
40	P.G.D.A.V. COLLEGE (EVE.)	34	3	37	43	5	48	42	7	49	119	15	134
41	ARYABHATTA COLLEGE	43	15	58	38	5	43	0	0	0	81	20	101
Total (Eve):		125	22	147	125	16	141	42	7	49	292	45	337
Total (Day + Eve):		1233	1262	2495	1138	1179	2317	885	1125	2010	3256	3566	6822
Total (Regular):		1233	1262	2495	1138	1179	2317	885	1125	2010	3256	3566	6822
Grand Total :		1233	1262	2495	1138	1179	2317	885	1125	2010	3256	3566	6822

#### B.SC. (H) STATISTICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	47	47	0	0	0	0	0	0	0	47	47
2	HINDU COLLEGE	25	12	37	29	10	39	25	6	31	79	28	107
3	KIRORI MAL COLLEGE	40	19	59	27	13	40	28	10	38	95	42	137
4	LADY SHRI RAM COLLEGE (W)	0	29	29	0	29	29	0	28	28	0	86	86
5	MATA SUNDRI COLLEGE (W)	0	41	41	0	0	0	0	0	0	0	41	41
6	P.G.D.A.V. COLLEGE	23	22	45	31	14	45	19	13	32	73	49	122
7	RAMLAL ANAND COLLEGE	26	11	37	26	5	31	20	11	31	72	27	99
8	RAMJAS COLLEGE	27	18	45	64	34	98	33	22	55	124	74	198
9	SRI VENKATESWARA COLLEGE	22	15	37	16	13	29	19	11	30	57	39	96
Total (Day):		163	214	377	193	118	311	144	101	245	500	433	933
10	RAMANUJAN COLLEGE	37	6	43	33	6	39	0	0	0	70	12	82
Total (Eve):		37	6	43	33	6	39	0	0	0	70	12	82
Total (Day + Eve):		200	220	420	226	124	350	144	101	245	570	445	1015
Total (Regular):		200	220	420	226	124	350	144	101	245	570	445	1015
Grand Total :		200	220	420	226	124	350	144	101	245	570	445	1015



## B.SC. (H) COMPUTER SCIENCE

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	38	9	47	36	4	40	27	21	48	101	34	135
2	ACHARYA NARENDRA DEV COLLEGE	49	7	56	40	9	49	35	7	42	124	23	147
3	SHAHEED RAJ GURU COLL. OF APP.SCS	0	52	52	0	40	40	0	73	73	0	165	165
4	SHAHEED SUKHDEV COLL.OF BUSINESS	41	10	51	34	9	43	47	11	58	122	30	152
5	COLLEGE OF VOCATIONAL STUDIES	44	10	54	41	19	60	39	6	45	124	35	159
6	DEEN DAYAL UPADHYAYA COLLEGE	36	13	49	39	17	56	18	22	40	93	52	145
7	DYAL SINGH COLLEGE	47	15	62	0	0	0	0	0	0	47	15	62
8	HANS RAJ COLLEGE	51	19	70	40	29	69	45	18	63	136	66	202
9	I.P. COLLEGE (W)	0	37	37	0	45	45	0	49	49	0	131	131
10	KALINDI COLLEGE (W)	0	47	47	0	47	47	0	43	43	0	137	137
11	MATA SUNDRI COLLEGE (W)	0	43	43	0	0	0	0	0	0	0	43	43
12	P.G.D.A.V. COLLEGE	68	14	82	52	7	59	36	8	44	156	29	185
13	RAJDHANI COLLEGE	52	4	56	19	3	22	62	12	74	133	19	152
14	RAMLAL ANAND COLLEGE	39	12	51	31	8	39	28	14	42	98	34	132
15	S.G.T.B. KHALSA COLLEGE	38	11	49	0	0	0	0	0	0	38	11	49
16	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	59	59	0	80	80	0	35	35	0	174	174
17	SRI G.G.S. COLLEGE OF COMMERCE	31	25	56	40	23	63	23	24	47	94	72	166
18	KESHAV MAHAVIDHALAYA	72	27	99	78	23	101	63	23	86	213	73	286
19	BHASKARACHARYA COLL. OF APP. SCS.	37	7	44	32	4	36	39	9	48	108	20	128
Total (Day):		643	421	1064	482	367	849	462	375	837	1587	1163	2750
20	RAMANUJAN COLLEGE	35	5	40	36	5	41	0	0	0	71	10	81
21	ARYABHATTA COLLEGE	43	5	48	36	2	38	0	0	0	79	7	86
Total (Eve):		78	10	88	72	7	79	0	0	0	150	17	167
Total (Day + Eve):		721	431	1152	554	374	928	462	375	837	1737	1180	2917
Total (Regular):		721	431	1152	554	374	928	462	375	837	1737	1180	2917
Grand Total :		721	431	1152	554	374	928	462	375	837	1737	1180	2917

## B.SC. (H) ANTHROPOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	9	22	31	23	14	37	16	20	36	48	56	104

Total (Day):	9	22	31	23	14	37	16	20	36	48	56	104
Total(Day + Eve):	9	22	31	23	14	37	16	20	36	48	56	104
Total (Regular):	9	22	31	23	14	37	16	20	36	48	56	104
Grand Total :	9	22	31	23	14	37	16	20	36	48	56	104

#### B.SC.(H) BOTANY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	26	21	47	14	26	40	19	23	42	59	70	129
2	DAULAT RAM COLLEGE (W)	0	45	45	0	57	57	0	43	43	0	145	145
3	DEEN DAYAL UPADHYAYA COLLEGE	11	23	34	20	28	48	5	21	26	36	72	108
4	DESHBANDHU COLLEGE	37	26	63	29	34	63	24	24	48	90	84	174
5	DYAL SINGH COLLEGE	15	20	35	12	15	27	5	50	55	32	85	117
6	GARGI COLLEGE (W)	0	58	58	0	55	55	0	49	49	0	162	162
7	HANS RAJ COLLEGE	24	41	65	39	37	76	27	44	71	90	122	212
8	HINDU COLLEGE	20	23	43	24	17	41	12	25	37	56	65	121
9	KALINDI COLLEGE (W)	0	43	43	0	0	0	0	0	0	0	43	43
10	KIRORI MAL COLLEGE	39	41	80	16	28	44	23	24	47	78	93	171
11	MAITREYI COLLEGE (W)	0	35	35	0	38	38	0	51	51	0	124	124
12	MIRANDA HOUSE (W)	0	33	33	0	31	31	0	25	25	0	89	89
13	RAMJAS COLLEGE	16	35	51	25	28	53	15	30	45	56	93	149
14	S.G.T.B. KHALSA COLLEGE	13	36	49	11	25	36	13	35	48	37	96	133
15	SHIVAJI COLLEGE	11	20	31	14	17	31	7	22	29	32	59	91
16	SRI VENKATESWARA COLLEGE	14	16	30	11	19	30	14	21	35	39	56	95
17	SWAMI SHRADDHANAND COLLEGE	13	16	29	23	15	38	20	20	40	56	51	107
18	ZAKIR HUSAIN DELHI COLLEGE	15	20	35	5	14	19	14	28	42	34	62	96
19	BHASKARACHARYA COLL. OF APP. SCS.	17	18	35	0	0	0	0	0	0	17	18	35
Total (Day):		271	570	841	243	484	727	198	535	733	712	1589	2301
Total(Day + Eve):		271	570	841	243	484	727	198	535	733	712	1589	2301
Total (Regular):		271	570	841	243	484	727	198	535	733	712	1589	2301
Grand Total :		271	570	841	243	484	727	198	535	733	712	1589	2301

## B.SC. (H) CHEMISTRY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	51	22	73	59	15	74	26	34	60	136	71	207
2	ACHARYA NARENDRA DEV COLLEGE	32	16	48	29	17	46	24	14	38	85	47	132
3	SHAHEED RAJ GURU COLL. OF APP.SCS	0	41	41	0	31	31	0	0	0	0	72	72
4	DAULAT RAM COLLEGE (W)	0	23	23	0	25	25	0	30	30	0	78	78
5	DEEN DAYAL UPADHYAYA COLLEGE	19	16	35	33	21	54	12	18	30	64	55	119
6	DESHBANDHU COLLEGE	36	5	41	26	7	33	27	8	35	89	20	109
7	DYAL SINGH COLLEGE	23	10	33	26	14	40	9	21	30	58	45	103
8	GARGI COLLEGE (W)	0	48	48	0	32	32	0	38	38	0	118	118
9	HANS RAJ COLLEGE	48	25	73	53	28	81	58	24	82	159	77	236
10	HINDU COLLEGE	52	34	86	62	17	79	36	31	67	150	82	232
11	KALINDI COLLEGE (W)	0	33	33	0	0	0	0	0	0	0	33	33
12	KIRORI MAL COLLEGE	97	34	131	108	22	130	93	33	126	298	89	387
13	MAITREYI COLLEGE (W)	0	31	31	0	31	31	0	35	35	0	97	97
14	MIRANDA HOUSE (W)	0	86	86	0	88	88	0	73	73	0	247	247
15	MOTILAL NEHRU COLLEGE	17	5	22	40	9	49	19	1	20	76	15	91
16	RAJDHANI COLLEGE	47	19	66	41	16	57	38	13	51	126	48	174
17	RAMJAS COLLEGE	103	26	129	73	41	114	76	12	88	252	79	331
18	S.G.T.B. KHALSA COLLEGE	11	16	27	19	16	35	27	18	45	57	50	107
19	SHIVAJI COLLEGE	30	15	45	24	6	30	9	25	34	63	46	109
20	SRI VENKATESWARA COLLEGE	63	26	89	47	20	67	52	15	67	162	61	223
21	ST. STEPHEN'S COLLEGE	21	30	51	21	24	45	25	22	47	67	76	143
22	SWAMI SHRADDHANAND COLLEGE	27	9	36	23	13	36	0	0	0	50	22	72
23	ZAKIR HUSAIN DELHI COLLEGE	52	14	66	33	19	52	55	4	59	140	37	177
24	BHASKARACHARYA COLL. OF APP. SCS.	54	15	69	0	0	0	0	0	0	54	15	69
Total (Day):		783	599	1382	717	512	1229	586	469	1055	2086	1580	3666
Total (Day + Eve):		783	599	1382	717	512	1229	586	469	1055	2086	1580	3666
Total (Regular):		783	599	1382	717	512	1229	586	469	1055	2086	1580	3666
Grand Total :		783	599	1382	717	512	1229	586	469	1055	2086	1580	3666

## B.SC. (H) GEOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	33	15	48	27	23	50	28	8	36	88	46	134

2	RAMLAL ANAND COLLEGE	25	6	31	21	13	34	16	16	32	62	35	97
Total (Day):		58	21	79	48	36	84	44	24	68	150	81	231
Total (Day + Eve):		58	21	79	48	36	84	44	24	68	150	81	231
Total (Regular):		58	21	79	48	36	84	44	24	68	150	81	231
Grand Total :		58	21	79	48	36	84	44	24	68	150	81	231

#### B.SC.(H) HOME SCIENCE

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	INSTITUTE OF HOME ECONOMICS (W)	0	121	121	0	100	100	0	94	94	0	315	315
2	LADY IRWIN COLLEGE (W)	0	131	131	0	113	113	0	110	110	0	354	354
Total (Day):		0	252	252	0	213	213	0	204	204	0	669	669
Total (Day + Eve):		0	252	252	0	213	213	0	204	204	0	669	669
Total (Regular):		0	252	252	0	213	213	0	204	204	0	669	669
Grand Total :		0	252	252	0	213	213	0	204	204	0	669	669

#### POST BASIC B.Sc. NURSING

S.No.	College	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	HOLLY FAMILY	0	28	28	0	22	22	0	0	0	0	0	0	0	0	0	0	50	50
Total (Day):		0	28	28	0	22	22	0	0	0	0	0	0	0	0	0	0	50	50
Total (Day+Eve):		0	28	28	0	22	22	0	0	0	0	0	0	0	0	0	0	50	50
Total (GRAND TOTAL):		0	28	28	0	22	22	0	0	0	0	0	0	0	0	0	0	50	50

## B.SC. (H) NURSING

S.No.	College	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	R.A.K. COLLEGE OF NURSING (W)	0	64	64	0	62	62	0	65	65	0	65	65	0	0	0	0	256	256
2	AHILYA BAI COLLEGE OF NURSING	0	42	42	0	40	40	0	37	37	0	38	38	0	0	0	0	157	157
3	ARMY HOSPITAL COLLEGE OF NURS	0	30	30	0	30	30	0	28	28	0	30	30	0	0	0	0	118	118
4	HOLLY FAMILY	0	52	52	0	50	50	0	48	48	0	50	50	0	0	0	0	200	200
Total (Day):		0	188	188	0	182	182	0	178	178	0	183	183	0	0	0	0	731	731
Total (Day+Eve):		0	188	188	0	182	182	0	178	178	0	183	183	0	0	0	0	731	731
Total (GRAND TOTAL):		0	188	188	0	182	182	0	178	178	0	183	183	0	0	0	0	731	731

## 5 YR INT. M.Sc. EARTH SC. (PG)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	18	3	21	0	0	0	0	0	0	18	3	21
Total (Day):		18	3	21	0	0	0	0	0	0	18	3	21
Total (Day + Eve):		18	3	21	0	0	0	0	0	0	18	3	21
Total (Regular):		18	3	21	0	0	0	0	0	0	18	3	21
Grand Total :		18	3	21	0	0	0	0	0	0	18	3	21

## B.SC. (H) PHYSICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	65	12	77	56	3	59	47	19	66	168	34	202
2	ACHARYA NARENDRA DEV COLLEGE	44	8	52	34	11	45	29	2	31	107	21	128
3	SHAHEED RAJ GURU COLL. OF APP.SCS	0	56	56	0	45	45	0	0	0	0	101	101
4	DEEN DAYAL UPADHYAYA COLLEGE	47	17	64	33	13	46	34	17	51	114	47	161
5	DESHBANDHU COLLEGE	60	5	65	56	11	67	45	6	51	161	22	183
6	DYAL SINGH COLLEGE	56	10	66	63	10	73	51	18	69	170	38	208

7	GARGI COLLEGE (W)	0	40	40	0	31	31	0	32	32	0	103	103
8	HANS RAJ COLLEGE	62	15	77	63	31	94	71	15	86	196	61	257
9	HINDU COLLEGE	100	20	120	70	11	81	59	7	66	229	38	267
10	KALINDI COLLEGE (W)	0	32	32	0	37	37	0	38	38	0	107	107
11	KIRORI MAL COLLEGE	103	10	113	107	4	111	101	10	111	311	24	335
12	MAITREYI COLLEGE (W)	0	36	36	0	31	31	0	41	41	0	108	108
13	MIRANDA HOUSE (W)	0	97	97	0	113	113	0	102	102	0	312	312
14	MOTILAL NEHRU COLLEGE	73	19	92	49	8	57	43	4	47	165	31	196
15	RAJDHANI COLLEGE	61	12	73	49	11	60	99	36	135	209	59	268
16	RAMJAS COLLEGE	98	14	112	176	21	197	78	18	96	352	53	405
17	S.G.T.B. KHALSA COLLEGE	47	17	64	29	23	52	38	11	49	114	51	165
18	SHIVAJI COLLEGE	47	19	66	45	12	57	38	22	60	130	53	183
19	SRI VENKATESWARA COLLEGE	21	23	44	27	16	43	54	8	62	102	47	149
20	ST. STEPHEN'S COLLEGE	33	18	51	28	20	48	29	25	54	90	63	153
21	SWAMI SHRADDHANAND COLLEGE	29	4	33	22	12	34	38	5	43	89	21	110
22	BHAGINI NIVEDITA COLLEGE (W)	0	54	54	0	32	32	0	0	0	0	86	86
23	KESHAV MAHAVIDHALAYA	25	3	28	24	9	33	21	7	28	70	19	89
24	BHASKARACHARYA COLL. OF APP. SCS.	33	2	35	26	0	26	21	4	25	80	6	86
Total (Day):		1004	543	1547	957	515	1472	896	447	1343	2857	1505	4362
Total (Day + Eve):		1004	543	1547	957	515	1472	896	447	1343	2857	1505	4362
Total (Regular):		1004	543	1547	957	515	1472	896	447	1343	2857	1505	4362
Grand Total :		1004	543	1547	957	515	1472	896	447	1343	2857	1505	4362

#### B.SC. (H) ZOOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	28	21	49	18	33	51	20	20	40	66	74	140
2	DAULAT RAM COLLEGE (W)	0	61	61	0	48	48	0	36	36	0	145	145
3	DEEN DAYAL UPADHYAYA COLLEGE	16	17	33	5	35	40	5	23	28	26	75	101
4	DESHBANDHU COLLEGE	42	24	66	25	38	63	27	22	49	94	84	178
5	DYAL SINGH COLLEGE	27	10	37	16	18	34	1	26	27	44	54	98
6	GARGI COLLEGE (W)	0	67	67	0	50	50	0	48	48	0	165	165
7	HANS RAJ COLLEGE	19	39	58	38	30	68	22	38	60	79	107	186
8	HINDU COLLEGE	22	22	44	9	21	30	8	20	28	39	63	102
9	KALINDI COLLEGE (W)	0	77	77	0	0	0	0	0	0	0	77	77
10	KIRORI MAL COLLEGE	26	32	58	19	32	51	12	20	32	57	84	141
11	MAITREYI COLLEGE (W)	0	32	32	0	33	33	0	45	45	0	110	110
12	MIRANDA HOUSE (W)	0	43	43	0	31	31	0	30	30	0	104	104
13	RAMJAS COLLEGE	20	26	46	54	46	100	31	39	70	105	111	216

14	S.G.T.B. KHALSA COLLEGE	10	37	47	17	20	37	14	16	30	41	73	114
15	SHIVAJI COLLEGE	9	20	29	9	20	29	5	26	31	23	66	89
16	SRI VENKATESWARA COLLEGE	15	35	50	5	15	20	6	13	19	26	63	89
17	SWAMI SHRADDHANAND COLLEGE	14	22	36	22	18	40	21	17	38	57	57	114
18	ZAKIR HUSAIN DELHI COLLEGE	17	15	32	11	9	20	19	26	45	47	50	97
19	BHASKARACHARYA COLL. OF APP. SCS.	15	30	45	0	0	0	0	0	0	15	30	45
Total (Day):		280	630	910	248	497	745	191	465	656	719	1592	2311
Total (Day + Eve):		280	630	910	248	497	745	191	465	656	719	1592	2311
Total (Regular):		280	630	910	248	497	745	191	465	656	719	1592	2311
Grand Total :		280	630	910	248	497	745	191	465	656	719	1592	2311

B.SC. (H) POLYMER SC.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BHASKARACHARYA COLL. OF APP. SCS.	35	8	43	37	13	50	35	5	40	107	26	133
Total (Day):		35	8	43	37	13	50	35	5	40	107	26	133
Total (Day + Eve):		35	8	43	37	13	50	35	5	40	107	26	133
Total (Regular):		35	8	43	37	13	50	35	5	40	107	26	133
Grand Total :		35	8	43	37	13	50	35	5	40	107	26	133

B.SC. (H) BIO-CHEMISTRY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	43	43	0	0	0	0	0	0	0	43	43
2	DAULAT RAM COLLEGE (W)	0	26	26	0	28	28	0	26	26	0	80	80
3	DESHBANDHU COLLEGE	17	14	31	27	37	64	19	19	38	63	70	133
4	INSTITUTE OF HOME ECONOMICS (W)	0	34	34	0	34	34	0	34	34	0	102	102
5	SHIVAJI COLLEGE	19	21	40	10	16	26	8	13	21	37	50	87
6	SRI VENKATESWARA COLLEGE	12	35	47	11	23	34	10	19	29	33	77	110

Total (Day):	48	173	221	48	138	186	37	111	148	133	422	555
Total (Day + Eve):	48	173	221	48	138	186	37	111	148	133	422	555
Total (Regular):	48	173	221	48	138	186	37	111	148	133	422	555
Grand Total :	48	173	221	48	138	186	37	111	148	133	422	555

#### B.SC. (H) ELECTRONICS

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	45	2	47	24	4	28	27	5	32	96	11	107
2	ACHARYA NARENDRA DEV COLLEGE	49	3	52	36	7	43	28	0	28	113	10	123
3	SHAHEED RAJ GURU COLL. OF APP.SCS	0	37	37	0	46	46	0	38	38	0	121	121
4	DEEN DAYAL UPADHYAYA COLLEGE	50	7	57	28	13	41	30	10	40	108	30	138
5	HANS RAJ COLLEGE	33	8	41	22	16	38	27	6	33	82	30	112
6	RAJDHANI COLLEGE	25	9	34	18	4	22	33	14	47	76	27	103
7	S.G.T.B. KHALSA COLLEGE	20	3	23	12	6	18	16	1	17	48	10	58
8	SRI AUROBINDO COLLEGE	38	4	42	46	7	53	23	0	23	107	11	118
9	SRI VENKATESWARA COLLEGE	32	6	38	26	5	31	23	6	29	81	17	98
10	ZAKIR HUSAIN DELHI COLLEGE	20	1	21	25	2	27	34	1	35	79	4	83
11	KESHAV MAHAVIDHALAYA	36	4	40	24	2	26	29	6	35	89	12	101
12	MAHARAJA AGARSEN CO-ED. COLLEGE	40	7	47	29	3	32	30	6	36	99	16	115
13	BHASKARACHARYA COLL. OF APP. SCS.	41	3	44	43	4	47	30	5	35	114	12	126
Total (Day):		429	94	523	333	119	452	330	98	428	1092	311	1403
Total (Day + Eve):		429	94	523	333	119	452	330	98	428	1092	311	1403
Total (Regular):		429	94	523	333	119	452	330	98	428	1092	311	1403
Grand Total :		429	94	523	333	119	452	330	98	428	1092	311	1403

#### B.SC. (H) MICRO-BIOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	41	41	0	0	0	0	0	0	0	41	41
2	GARGI COLLEGE (W)	0	35	35	0	23	23	0	37	37	0	95	95



3	INSTITUTE OF HOME ECONOMICS (W)	0	42	42	0	34	34	0	38	38	0	114	114
4	RAMLAL ANAND COLLEGE	15	12	27	10	21	31	19	21	40	44	54	98
5	SWAMI SHRADDHANAND COLLEGE	17	15	32	25	14	39	23	13	36	65	42	107
6	BHASKARACHARYA COLL. OF APP. SCS.	20	16	36	10	15	25	11	17	28	41	48	89
Total (Day):		52	161	213	45	107	152	53	126	179	150	394	544
Total (Day + Eve):		52	161	213	45	107	152	53	126	179	150	394	544
Total (Regular):		52	161	213	45	107	152	53	126	179	150	394	544
Grand Total :		52	161	213	45	107	152	53	126	179	150	394	544

#### B.SC.(H) BIO-MEDICAL SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	22	32	54	19	26	45	13	23	36	54	81	135
2	SHAHEED RAJ GURU COLL. OF APP.SCS	0	37	37	0	38	38	0	46	46	0	121	121
3	BHASKARACHARYA COLL. OF APP. SCS.	20	23	43	8	17	25	11	24	35	39	64	103
Total (Day):		42	92	134	27	81	108	24	93	117	93	266	359
Total (Day + Eve):		42	92	134	27	81	108	24	93	117	93	266	359
Total (Regular):		42	92	134	27	81	108	24	93	117	93	266	359
Grand Total :		42	92	134	27	81	108	24	93	117	93	266	359

#### B.SC.(H) BIOLOGICAL SCIENCE

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SRI VENKATESWARA COLLEGE	25	29	54	9	21	30	10	19	29	44	69	113
Total (Day):		25	29	54	9	21	30	10	19	29	44	69	113
Total (Day + Eve):		25	29	54	9	21	30	10	19	29	44	69	113
Total (Regular):		25	29	54	9	21	30	10	19	29	44	69	113

Grand Total :	25	29	54	9	21	30	10	19	29	44	69	113
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#### B.SC. (H) FOOD TECHNOLOGY

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	39	39	0	37	37	0	34	34	0	110	110
2	INSTITUTE OF HOME ECONOMICS (W)	0	42	42	0	0	0	0	0	0	0	42	42
3	LADY IRWIN COLLEGE (W)	0	48	48	0	0	0	0	0	0	0	48	48
4	BHASKARACHARYA COLL. OF APP. SCS.	28	15	43	21	17	38	21	24	45	70	56	126
Total (Day):		28	144	172	21	54	75	21	58	79	70	256	326
Total (Day + Eve):		28	144	172	21	54	75	21	58	79	70	256	326
Total (Regular):		28	144	172	21	54	75	21	58	79	70	256	326
Grand Total :		28	144	172	21	54	75	21	58	79	70	256	326

#### B.SC. (H) INSTRUMENTATION

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	SHAHEED RAJ GURU COLL. OF APP.SCS	0	37	37	0	27	27	0	36	36	0	100	100
2	BHASKARACHARYA COLL. OF APP. SCS.	66	8	74	28	4	32	54	9	63	148	21	169
Total (Day):		66	45	111	28	31	59	54	45	99	148	121	269
Total (Day + Eve):		66	45	111	28	31	59	54	45	99	148	121	269
Total (Regular):		66	45	111	28	31	59	54	45	99	148	121	269
Grand Total :		66	45	111	28	31	59	54	45	99	148	121	269

## B.SC. (G) MATH. SCIENCES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEEN DAYAL UPADHYAYA COLLEGE	16	15	31	25	10	35	17	22	39	58	47	105
2	P.G.D.A.V. COLLEGE	38	8	46	37	9	46	39	11	50	114	28	142
3	KESHAV MAHAVIDHALAYA	50	20	70	34	11	45	34	9	43	118	40	158
4	MAHARAJA AGARSEN CO-ED. COLLEGE	35	18	53	26	10	36	24	8	32	85	36	121
Total (Day):		139	61	200	122	40	162	114	50	164	375	151	526
Total (Day + Eve):		139	61	200	122	40	162	114	50	164	375	151	526
Total (Regular):		139	61	200	122	40	162	114	50	164	375	151	526
Grand Total :		139	61	200	122	40	162	114	50	164	375	151	526

## B.SC. (HOME SCIENCE)

S.No.	Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	INSTITUTE OF HOME ECONOMICS (	0	214	214	0	202	202	0	191	191	0	0	0	0	0	0	0	607	607
2	LADY IRWIN COLLEGE (W)	0	243	243	0	188	188	0	190	190	0	0	0	0	0	0	0	621	621
3	BHAGINI NIVEDITA COLLEGE (W)	0	25	25	0	21	21	0	0	0	0	0	0	0	0	0	0	46	46
Total (Day):		0	482	482	0	411	411	0	381	381	0	0	0	0	0	0	0	1274	1274
Total (Day + Eve):		0	482	482	0	411	411	0	381	381	0	0	0	0	0	0	0	1274	1274

## B.SC. (PHY. EDU. &amp; HEALTH EDU. &amp; SP

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	I.G.INST.OF PHY.EDU.& SPORTS Sc.	97	10	107	94	13	107	82	12	94	273	35	308
Total (Day):		97	10	107	94	13	107	82	12	94	273	35	308
Total (Day + Eve):		97	10	107	94	13	107	82	12	94	273	35	308

Total (Regular):	97	10	107	94	13	107	82	12	94	273	35	308
Grand Total :	97	10	107	94	13	107	82	12	94	273	35	308

#### B.ELEMENTARY EDUCATION

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 GARGI COLLEGE (W)	0	54	54	0	50	50	0	46	46	0	37	37	0	0	0	0	187	187
2 INSTITUTE OF HOME ECONOMICS (	0	52	52	0	57	57	0	40	40	0	48	48	0	0	0	0	197	197
3 JESUS & MARY COLLEGE (W)	0	52	52	0	47	47	0	46	46	0	30	30	0	0	0	0	175	175
4 LADY SHRI RAM COLLEGE (W)	0	57	57	0	46	46	0	45	45	0	29	29	0	0	0	0	177	177
5 MATA SUNDRI COLLEGE (W)	0	57	57	0	50	50	0	50	50	0	52	52	0	0	0	0	209	209
6 MIRANDA HOUSE (W)	0	53	53	0	44	44	0	42	42	0	47	47	0	0	0	0	186	186
7 SHYAMA PRASAD MUKHERJI COLLEG	0	51	51	0	47	47	0	39	39	0	35	35	0	0	0	0	172	172
8 ADITI MAHAVIDYALYA (W)	0	55	55	0	50	50	0	48	48	0	53	53	0	0	0	0	206	206
Total (Day):	0	431	431	0	391	391	0	356	356	0	331	331	0	0	0	0	1509	1509
Total (Day + Eve):	0	431	431	0	391	391	0	356	356	0	331	331	0	0	0	0	1509	1509

#### 5 Yr INT. PROG. IN JOURNALISM (UG)

S.No. College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
1 DELHI SCHOOL OF JOURNALISM	86	30	116	0	0	0	0	0	0	86	30	116
Total (Deptt) Day:	86	30	116	0	0	0	0	0	0	86	30	116
Total (Deptt.) D+E:	86	30	116	0	0	0	0	0	0	86	30	116
Total (Regular):	86	30	116	0	0	0	0	0	0	86	30	116
Grand Total :	86	30	116	0	0	0	0	0	0	86	30	116

## B.P.O. (B.PROSTHETICS &amp; ORTHOTICS)

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 PT.DEEN DAYAL INSTT. FOR THE	10	20	30	10	17	27	12	11	23	13	15	28	0	0	0	45	63	108
Total (Day):	10	20	30	10	17	27	12	11	23	13	15	28	0	0	0	45	63	108
Total (Day + Eve):	10	20	30	10	17	27	12	11	23	13	15	28	0	0	0	45	63	108

## B.O.T. (B.OCCUPATIONAL THERAPY)

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 PT.DEEN DAYAL INSTT. FOR THE	15	40	55	8	31	39	11	36	47	16	38	54	0	0	0	50	145	195
Total (Day):	15	40	55	8	31	39	11	36	47	16	38	54	0	0	0	50	145	195
Total (Day + Eve):	15	40	55	8	31	39	11	36	47	16	38	54	0	0	0	50	145	195

## B.P.T. (B.PHYSIOTHERAPY)

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 AMAR JYOTI INSTT. OF PHYSIOTH	7	24	31	4	21	25	2	23	25	3	21	24	0	0	0	16	89	105
2 PT.DEEN DAYAL INSTT. FOR THE	19	34	53	17	32	49	13	33	46	18	34	52	0	0	0	67	133	200
Total (Day):	26	58	84	21	53	74	15	56	71	21	55	76	0	0	0	83	222	305
Total (Day + Eve):	26	58	84	21	53	74	15	56	71	21	55	76	0	0	0	83	222	305

## B.SC. (HOME SCIENCE)

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 INSTITUTE OF HOME ECONOMICS (	0	214	214	0	202	202	0	191	191	0	0	0	0	0	0	0	607	607
2 LADY IRWIN COLLEGE (W)	0	243	243	0	188	188	0	190	190	0	0	0	0	0	0	0	621	621
3 BHAGINI NIVEDITA COLLEGE (W)	0	25	25	0	21	21	0	0	0	0	0	0	0	0	0	0	46	46
Total (Day):	0	482	482	0	411	411	0	381	381	0	0	0	0	0	0	0	1274	1274
Total (Day + Eve):	0	482	482	0	411	411	0	381	381	0	0	0	0	0	0	0	1274	1274

## B.SC. (MEDICAL TECH.-RADIOGRAPHY)

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 U.C.M.S. & G.T.B. HOSPITAL	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42
Total (Day):	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42
Total (Day+Eve):	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42
Total (GRAND TOTAL):	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42

## B.F.A. (B. FINE ART)

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 COLLEGE OF ART	114	110	224	90	119	209	94	109	203	114	104	218	0	0	0	412	442	854
Total (Day):	114	110	224	90	119	209	94	109	203	114	104	218	0	0	0	412	442	854
Total (Day+Eve):	114	110	224	90	119	209	94	109	203	114	104	218	0	0	0	412	442	854
Total (GRAND TOTAL):	114	110	224	90	119	209	94	109	203	114	104	218	0	0	0	412	442	854

## B.A.M.S.

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 A. & U. TIBBIA COLLEGE	32	28	60	14	49	63	10	32	42	15	19	34	18	23	41	89	151	240
Total (Day):	32	28	60	14	49	63	10	32	42	15	19	34	18	23	41	89	151	240
Total (Day+Eve):	32	28	60	14	49	63	10	32	42	15	19	34	18	23	41	89	151	240
Total (GRAND TOTAL):	32	28	60	14	49	63	10	32	42	15	19	34	18	23	41	89	151	240

## B.U.M.S.

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 A. & U. TIBBIA COLLEGE	10	35	45	12	39	51	10	30	40	9	24	33	12	24	36	53	152	205
Total (Day):	10	35	45	12	39	51	10	30	40	9	24	33	12	24	36	53	152	205
Total (Day+Eve):	10	35	45	12	39	51	10	30	40	9	24	33	12	24	36	53	152	205
Total (GRAND TOTAL):	10	35	45	12	39	51	10	30	40	9	24	33	12	24	36	53	152	205

## M.B.B.S.

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 LADY HARDINGE MED. COLLEGE (W	0	200	200	0	197	197	0	198	198	0	200	200	0	201	201	0	996	996
2 MAULANA AZAD MEDICAL COLLEGE	154	96	250	160	89	249	154	96	250	156	93	249	143	106	249	767	480	1247
3 U.C.M.S. & G.T.B. HOSPITAL	108	42	150	125	31	156	130	32	162	137	25	162	156	33	189	656	163	819
Total (Day):	262	338	600	285	317	602	284	326	610	293	318	611	299	340	639	1423	1639	3062
Total (Day+Eve):	262	338	600	285	317	602	284	326	610	293	318	611	299	340	639	1423	1639	3062
Total (GRAND TOTAL):	262	338	600	285	317	602	284	326	610	293	318	611	299	340	639	1423	1639	3062

B.D.S.

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 MAULANA AZAD INSTITUTE OF DEN	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123
Total (Day):	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123
Total (Day+Eve):	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123
Total (GRAND TOTAL):	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123

B.A. (H) SOCIAL WORK

S.No. College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
1 BHIM RAO AMBEDKAR COLLEGE	38	21	59	35	30	65	27	27	54	100	78	178
2 ADITI MAHAVIDYALYA (W)	0	42	42	0	44	44	0	63	63	0	149	149
Total (Day):	38	63	101	35	74	109	27	90	117	100	227	327
Total (Day + Eve):	38	63	101	35	74	109	27	90	117	100	227	327
Total (Regular):	38	63	101	35	74	109	27	90	117	100	227	327
Grand Total :	38	63	101	35	74	109	27	90	117	100	227	327

B.E. (COMPTUER ENGG.)

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 NETAJI SUBHAS INSTITUTE OF TE	180	25	205	158	41	199	178	33	211	143	49	192	0	0	0	659	148	807
Total (Day):	180	25	205	158	41	199	178	33	211	143	49	192	0	0	0	659	148	807
Total (Day+Eve):	180	25	205	158	41	199	178	33	211	143	49	192	0	0	0	659	148	807
Total (GRAND TOTAL):	180	25	205	158	41	199	178	33	211	143	49	192	0	0	0	659	148	807



## B.E. (ELECTRONICS &amp; COMMUNICATION)

		I YR			II YR			III YR			IV YR			V YR			Total		
S.No.	College	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TE	184	19	203	153	47	200	162	40	202	142	50	192	0	0	0	641	156	797
Total (Day):		184	19	203	153	47	200	162	40	202	142	50	192	0	0	0	641	156	797
Total (Day+Eve):		184	19	203	153	47	200	162	40	202	142	50	192	0	0	0	641	156	797
Total (GRAND TOTAL):		184	19	203	153	47	200	162	40	202	142	50	192	0	0	0	641	156	797

## B.E. (INSTRUM. &amp; CONTROL ENGG.)

		I YR			II YR			III YR			IV YR			V YR			Total		
S.No.	College	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TE	164	25	189	158	27	185	145	34	179	146	30	176	0	0	0	613	116	729
Total (Day):		164	25	189	158	27	185	145	34	179	146	30	176	0	0	0	613	116	729
Total (Day+Eve):		164	25	189	158	27	185	145	34	179	146	30	176	0	0	0	613	116	729
Total (GRAND TOTAL):		164	25	189	158	27	185	145	34	179	146	30	176	0	0	0	613	116	729

## B.E. BIO-TECHNOLOGY

		I YR			II YR			III YR			IV YR			V YR			Total		
S.No.	College	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TE	29	6	35	30	10	40	28	9	37	15	10	25	0	0	0	102	35	137
Total (Day):		29	6	35	30	10	40	28	9	37	15	10	25	0	0	0	102	35	137
Total (Day+Eve):		29	6	35	30	10	40	28	9	37	15	10	25	0	0	0	102	35	137
Total (GRAND TOTAL):		29	6	35	30	10	40	28	9	37	15	10	25	0	0	0	102	35	137

## B.E. (INFORMATION TECHNOLOGY)

S.No.	College	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TE	114	17	131	98	24	122	74	24	98	78	22	100	0	0	0	364	87	451
Total (Day):		114	17	131	98	24	122	74	24	98	78	22	100	0	0	0	364	87	451
Total (Day+Eve):		114	17	131	98	24	122	74	24	98	78	22	100	0	0	0	364	87	451
Total (GRAND TOTAL):		114	17	131	98	24	122	74	24	98	78	22	100	0	0	0	364	87	451

## B.E. (MANUFACT PROCESS &amp; AUTOMATION

S.No.	College	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TE	115	7	122	109	7	116	76	4	80	84	7	91	0	0	0	384	25	409
Total (Day):		115	7	122	109	7	116	76	4	80	84	7	91	0	0	0	384	25	409
Total (Day+Eve):		115	7	122	109	7	116	76	4	80	84	7	91	0	0	0	384	25	409
Total (GRAND TOTAL):		115	7	122	109	7	116	76	4	80	84	7	91	0	0	0	384	25	409

## B.Tech. (Subject Wise)

S.No.	Subject/Course	I Year			II Year			III Year			IV Year			V Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	(IT AND MATHEMATICAL INNOV	29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160
Total:		29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160

B.TECH INSTRUMENTATION

S.No. Deptt.	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 SHAHEED RAJ GURU COLL. OF APP	0	0	0	0	0	0	0	0	0	0	35	35	0	0	0	0	35	35
2 BHASKARACHARYA COLL. OF APP.	0	0	0	0	0	0	0	0	0	74	9	83	0	0	0	74	9	83
Total (Day):	0	0	0	0	0	0	0	0	0	74	44	118	0	0	0	74	44	118
Total (Day + Eve):	0	0	0	0	0	0	0	0	0	74	44	118	0	0	0	74	44	118

B.TECH. (IT AND MATHEMATICAL INNOVA)

S.No. College	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 CLUSTER INNOVATION CENTRE (CI	29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160
Total (dept):	29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160
Total (GRAND TOTAL):	29	11	40	34	6	40	32	8	40	33	7	40	0	0	0	128	32	160

B.LIB.SC.

S.No. College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
1 DEPARTMENT OF LIBRARY & INFORMATI	24	37	61	0	0	0	0	0	0	24	37	61
Total (Deptt) Day:	24	37	61	0	0	0	0	0	0	24	37	61
Total (Deptt.) D+E:	24	37	61	0	0	0	0	0	0	24	37	61
Total (Regular):	24	37	61	0	0	0	0	0	0	24	37	61
Grand Total :	24	37	61	0	0	0	0	0	0	24	37	61

## M.Lib. &amp; INFORMATION Sc.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF LIBRARY & INFORMATI	18	28	46	0	0	0	0	0	0	18	28	46
	Total (Deptt) Day:	18	28	46	0	0	0	0	0	0	18	28	46
	Total (Deptt.) D+E:	18	28	46	0	0	0	0	0	0	18	28	46
	Total (Regular):	18	28	46	0	0	0	0	0	0	18	28	46
	Grand Total :	18	28	46	0	0	0	0	0	0	18	28	46

## M.A.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	34	28	62	24	20	44	0	0	0	58	48	106
2	BHARATI COLLEGE (W)	0	21	21	0	20	20	0	0	0	0	41	41
3	DAULAT RAM COLLEGE (W)	0	175	175	0	157	157	0	0	0	0	332	332
4	DESHBANDHU COLLEGE	61	21	82	45	37	82	0	0	0	106	58	164
5	DYAL SINGH COLLEGE	4	7	11	5	4	9	0	0	0	9	11	20
6	GARGI COLLEGE (W)	0	40	40	0	45	45	0	0	0	0	85	85
7	HANS RAJ COLLEGE	64	32	96	50	59	109	0	0	0	114	91	205
8	HINDU COLLEGE	93	60	153	72	72	144	0	0	0	165	132	297
9	I.P. COLLEGE (W)	0	178	178	0	150	150	0	0	0	0	328	328
10	JANKI DEVI MEMORIAL COLLEGE (W)	0	73	73	0	53	53	0	0	0	0	126	126
11	JESUS & MARY COLLEGE (W)	0	31	31	0	74	74	0	0	0	0	105	105
12	KALINDI COLLEGE (W)	0	43	43	0	30	30	0	0	0	0	73	73
13	KAMALA NEHRU COLLEGE (W)	0	132	132	0	107	107	0	0	0	0	239	239
14	KIRORI MAL COLLEGE	133	52	185	122	53	175	0	0	0	255	105	360
15	LADY SHRI RAM COLLEGE (W)	0	127	127	0	114	114	0	0	0	0	241	241
16	LAKSHMIBAI COLLEGE (W)	0	56	56	0	43	43	0	0	0	0	99	99
17	MAITREYI COLLEGE (W)	0	41	41	0	35	35	0	0	0	0	76	76
18	MATA SUNDRI COLLEGE (W)	0	85	85	0	57	57	0	0	0	0	142	142
19	MIRANDA HOUSE (W)	0	126	126	0	122	122	0	0	0	0	248	248
20	MOTILAL NEHRU COLLEGE	30	15	45	30	11	41	0	0	0	60	26	86
21	P.G.D.A.V. COLLEGE	17	9	26	17	8	25	0	0	0	34	17	51
22	RAJDHANI COLLEGE	29	10	39	23	13	36	0	0	0	52	23	75
23	RAMLAL ANAND COLLEGE	4	7	11	5	5	10	0	0	0	9	12	21
24	RAMJAS COLLEGE	152	47	199	120	46	166	0	0	0	272	93	365
25	S.G.T.B. KHALSA COLLEGE	32	27	59	24	22	46	0	0	0	56	49	105

26	SATYAWATI COLLEGE	16	2	18	18	3	21	0	0	0	34	5	39
27	SHIVAJI COLLEGE	52	12	64	43	7	50	0	0	0	95	19	114
28	SHYAM LAL COLLEGE	8	5	13	11	1	12	0	0	0	19	6	25
29	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	42	42	0	30	30	0	0	0	0	72	72
30	SRI AUROBINDO COLLEGE	8	2	10	9	3	12	0	0	0	17	5	22
31	SRI VENKATESWARA COLLEGE	46	19	65	50	20	70	0	0	0	96	39	135
32	ST. STEPHEN'S COLLEGE	21	16	37	14	13	27	0	0	0	35	29	64
33	SWAMI SHRADDHANAND COLLEGE	12	6	18	8	5	13	0	0	0	20	11	31
34	VIVEKANANDA COLLEGE (W)	0	34	34	0	32	32	0	0	0	0	66	66
35	ZAKIR HUSAIN DELHI COLLEGE	87	59	146	100	40	140	0	0	0	187	99	286
36	SHRI GURU NANAK DEV KHALSA COLLEG	1	7	8	7	4	11	0	0	0	8	11	19

-----		Total (Day):	904	1647	2551	797	1515	2312	0	0	0	1701	3162	4863
-----		Total (Day + Eve) :	904	1647	2551	797	1515	2312	0	0	0	1701	3162	4863
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37	DEPARTMENT OF BUDDHIST STUDIES	160	51	211	56	12	68	0	0	0	216	63	279
38	DEPARTMENT OF LINGUISTICS	19	30	49	8	25	33	0	0	0	27	55	82
39	DEPARTMENT OF GERMANIC & ROMANCE S	20	43	63	11	39	50	0	0	0	31	82	113
40	DEPARTMENT OF MODERN INDIAN LANGUA	15	20	35	8	14	22	0	0	0	23	34	57
41	DEPARTMENT OF PERSIAN	6	2	8	3	5	8	0	0	0	9	7	16
42	DEPARTMENT OF PHILOSOPHY (SDC)	29	31	60	25	25	50	0	0	0	54	56	110
43	DEPARTMENT OF PSYCHOLOGY (SDC)	4	31	35	4	25	29	0	0	0	8	56	64
44	DEPTT.OF SLAVONIC & FINNO-UGRIAN S	12	5	17	8	10	18	0	0	0	20	15	35
45	DEPARTMENT OF ADULT CONT. ED. & EX	29	5	34	17	14	31	0	0	0	46	19	65
46	DEPARTMENT OF EAST ASIAN STUDIES	28	8	36	17	12	29	0	0	0	45	20	65
47	DEPARTMENT OF ECONOMICS	88	162	250	57	105	162	0	0	0	145	267	412
48	DEPARTMENT OF GEOGRAPHY	49	29	78	51	33	84	0	0	0	100	62	162
49	DEPARTMENT OF HISTORY (SDC)	11	3	14	9	2	11	0	0	0	20	5	25
50	DEPARTMENT OF SOCIAL WORK	55	40	95	32	34	66	0	0	0	87	74	161
51	DEPARTMENT OF SOCIOLOGY	28	48	76	15	50	65	0	0	0	43	98	141
52	DEPARTMENT OF ENVIRONMENTAL STUDIE	20	5	25	14	6	20	0	0	0	34	11	45

-----		Total (Fac./Deptt./Centre):	573	513	1086	335	411	746	0	0	0	908	924	1832
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=====		Total (Regular):	1477	2160	3637	1132	1926	3058	0	0	0	2609	4086	6695
=====														

53	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	406	406	0	402	402	0	0	0	0	808	808
54	SCHOOL OF OPEN LEARNING	332	416	748	213	375	588	0	0	0	545	791	1336

-----		Total (Nonformal):	332	822	1154	213	777	990	0	0	0	545	1599	2144
-----														

=====		Grand Total:	1809	2982	4791	1345	2703	4048	0	0	0	3154	5685	8839
=====														

## M.A. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	APPLIED PSYCHOLOGY)	4	31	35	4	25	29	0	0	0	8	56	64
2	ARABIC)	16	2	18	20	2	22	0	0	0	36	4	40
3	BENGALI)	4	10	14	4	4	8	0	0	0	8	14	22
4	BUDDHIST STUDIES)	160	51	211	56	12	68	0	0	0	216	63	279
5	ENGLISH)	79	279	358	93	369	462	0	0	0	172	648	820
6	FRENCH)	5	15	20	2	16	18	0	0	0	7	31	38
7	GERMAN)	6	11	17	4	9	13	0	0	0	10	20	30
8	HINDI)	162	285	447	177	259	436	0	0	0	339	544	883
9	LINGUISTICS)	19	30	49	8	25	33	0	0	0	27	55	82
10	PERSIAN)	6	2	8	3	5	8	0	0	0	9	7	16
11	PHILOSOPHY)	62	177	239	47	137	184	0	0	0	109	314	423
12	PSYCHOLOGY)	10	110	120	15	91	106	0	0	0	25	201	226
13	PUNJABI)	7	49	56	15	36	51	0	0	0	22	85	107
14	SANSKRIT)	153	226	379	90	199	289	0	0	0	243	425	668
15	HISPANIC)	6	10	16	3	13	16	0	0	0	9	23	32
16	TAMIL)	1	0	1	0	1	1	0	0	0	1	1	2
17	URDU)	42	18	60	35	7	42	0	0	0	77	25	102
18	COMPARATIVE INDIAN LITERATURE)	10	10	20	4	9	13	0	0	0	14	19	33
19	ITALIAN)	3	7	10	2	1	3	0	0	0	5	8	13
20	ECONOMICS)	88	162	250	57	105	162	0	0	0	145	267	412
21	GEOGRAPHY)	49	29	78	51	33	84	0	0	0	100	62	162
22	HISTORY)	163	184	347	140	135	275	0	0	0	303	319	622
23	POLITICAL SCIENCE)	230	305	535	169	266	435	0	0	0	399	571	970
24	SOCIAL WORK)	55	40	95	32	34	66	0	0	0	87	74	161
25	SOCIOLOGY)	28	48	76	15	50	65	0	0	0	43	98	141
26	JAPANESE)	1	0	1	4	1	5	0	0	0	5	1	6
27	EAST ASIAN STUDIES)	27	8	35	13	11	24	0	0	0	40	19	59
28	LIFE LONG LARNING & EXTN.)	29	5	34	17	14	31	0	0	0	46	19	65
29	MATHEMATICS)	0	10	10	0	10	10	0	0	0	0	20	20
30	OPER.RESEARCH)	0	8	8	0	9	9	0	0	0	0	17	17
31	ENVIRONMENTAL STUDIES	20	5	25	14	6	20	0	0	0	34	11	45
32	MUSIC)	20	28	48	30	22	52	0	0	0	50	50	100
33	RUSSIAN)	12	5	17	8	10	18	0	0	0	20	15	35
Total:		1477	2160	3637	1132	1926	3058	0	0	0	2609	4086	6695

## M.A. (APPLIED PSYCHOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF PSYCHOLOGY (SDC)	4	31	35	4	25	29	0	0	0	8	56	64
	Total (Deptt) Day:	4	31	35	4	25	29	0	0	0	8	56	64
	Total (Deptt.) D+E:	4	31	35	4	25	29	0	0	0	8	56	64
	Total (Regular):	4	31	35	4	25	29	0	0	0	8	56	64
	Grand Total :	4	31	35	4	25	29	0	0	0	8	56	64

## M.A. (ARABIC)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ZAKIR HUSAIN DELHI COLLEGE	16	2	18	20	2	22	0	0	0	36	4	40
	Total (Day):	16	2	18	20	2	22	0	0	0	36	4	40
	Total (Day + Eve):	16	2	18	20	2	22	0	0	0	36	4	40
	Total (Regular):	16	2	18	20	2	22	0	0	0	36	4	40
	Grand Total :	16	2	18	20	2	22	0	0	0	36	4	40

## M.A. (BENGALI)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF MODERN INDIAN LANGU	4	10	14	4	4	8	0	0	0	8	14	22
	Total (Deptt) Day:	4	10	14	4	4	8	0	0	0	8	14	22
	Total (Deptt.) D+E:	4	10	14	4	4	8	0	0	0	8	14	22

Total (Regular):	4	10	14	4	4	8	0	0	0	8	14	22
Grand Total :	4	10	14	4	4	8	0	0	0	8	14	22

M.A. (BUDDHIST STUDIES)

College/Deptt.	I Year			II Year			III Year			Total			S.No.
	M	F	T	M	F	T	M	F	T	M	F	T	
1 DEPARTMENT OF BUDDHIST STUDIES	160	51	211	56	12	68	0	0	0	216	63	279	
Total (Deptt) Day:	160	51	211	56	12	68	0	0	0	216	63	279	
Total (Deptt.) D+E:	160	51	211	56	12	68	0	0	0	216	63	279	
Total (Regular):	160	51	211	56	12	68	0	0	0	216	63	279	
Grand Total :	160	51	211	56	12	68	0	0	0	216	63	279	

M.A. (ENGLISH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	5	12	17	4	7	11	0	0	0	9	19	28
2	DAULAT RAM COLLEGE (W)	0	23	23	0	20	20	0	0	0	0	43	43
3	DESHBANDHU COLLEGE	11	7	18	8	21	29	0	0	0	19	28	47
4	DYAL SINGH COLLEGE	4	7	11	5	4	9	0	0	0	9	11	20
5	GARGI COLLEGE (W)	0	17	17	0	26	26	0	0	0	0	43	43
6	HANS RAJ COLLEGE	7	15	22	13	24	37	0	0	0	20	39	59
7	HINDU COLLEGE	5	16	21	9	20	29	0	0	0	14	36	50
8	I.P. COLLEGE (W)	0	19	19	0	23	23	0	0	0	0	42	42
9	JANKI DEVI MEMORIAL COLLEGE (W)	0	18	18	0	15	15	0	0	0	0	33	33
10	JESUS & MARY COLLEGE (W)	0	17	17	0	49	49	0	0	0	0	66	66
11	KAMALA NEHRU COLLEGE (W)	0	22	22	0	31	31	0	0	0	0	53	53
12	KIRORI MAL COLLEGE	9	12	21	15	18	33	0	0	0	24	30	54
13	LADY SHRI RAM COLLEGE (W)	0	21	21	0	30	30	0	0	0	0	51	51
14	MIRANDA HOUSE (W)	0	24	24	0	33	33	0	0	0	0	57	57
15	RAJDHANI COLLEGE	8	7	15	7	9	16	0	0	0	15	16	31
16	RAMJAS COLLEGE	6	13	19	6	10	16	0	0	0	12	23	35
17	S.G.T.B. KHALSA COLLEGE	9	5	14	3	8	11	0	0	0	12	13	25



18	SRI VENKATESWARA COLLEGE	6	9	15	12	13	25	0	0	0	18	22	40
19	ST. STEPHEN'S COLLEGE	6	9	15	4	5	9	0	0	0	10	14	24
20	ZAKIR HUSAIN DELHI COLLEGE	3	6	9	7	3	10	0	0	0	10	9	19
Total (Day):		79	279	358	93	369	462	0	0	0	172	648	820
Total (Day + Eve):		79	279	358	93	369	462	0	0	0	172	648	820
Total (Regular):		79	279	358	93	369	462	0	0	0	172	648	820
21	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	105	105	0	94	94	0	0	0	0	199	199
Total (Nonformal):		0	105	105	0	94	94	0	0	0	0	199	199
Grand Total :		79	384	463	93	463	556	0	0	0	172	847	1019

#### M.A. (FRENCH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	5	15	20	2	16	18	0	0	0	7	31	38
Total (Deptt) Day:		5	15	20	2	16	18	0	0	0	7	31	38
Total (Deptt.) D+E:		5	15	20	2	16	18	0	0	0	7	31	38
Total (Regular):		5	15	20	2	16	18	0	0	0	7	31	38
Grand Total :		5	15	20	2	16	18	0	0	0	7	31	38

#### M.A. (GERMAN)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	6	11	17	4	9	13	0	0	0	10	20	30
Total (Deptt) Day:		6	11	17	4	9	13	0	0	0	10	20	30
Total (Deptt.) D+E:		6	11	17	4	9	13	0	0	0	10	20	30

Total (Regular):	6	11	17	4	9	13	0	0	0	10	20	30
Grand Total :	6	11	17	4	9	13	0	0	0	10	20	30

M.A. (HINDI)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	7	5	12	7	5	12	0	0	0	14	10	24
2	BHARATI COLLEGE (W)	0	21	21	0	20	20	0	0	0	0	41	41
3	DAULAT RAM COLLEGE (W)	0	25	25	0	23	23	0	0	0	0	48	48
4	DESHBANDHU COLLEGE	6	6	12	11	2	13	0	0	0	17	8	25
5	HANS RAJ COLLEGE	16	6	22	14	5	19	0	0	0	30	11	41
6	HINDU COLLEGE	23	6	29	15	7	22	0	0	0	38	13	51
7	I.P. COLLEGE (W)	0	15	15	0	15	15	0	0	0	0	30	30
8	JANKI DEVI MEMORIAL COLLEGE (W)	0	11	11	0	7	7	0	0	0	0	18	18
9	JESUS & MARY COLLEGE (W)	0	14	14	0	25	25	0	0	0	0	39	39
10	KALINDI COLLEGE (W)	0	17	17	0	15	15	0	0	0	0	32	32
11	KAMALA NEHRU COLLEGE (W)	0	11	11	0	13	13	0	0	0	0	24	24
12	KIRORI MAL COLLEGE	13	6	19	14	6	20	0	0	0	27	12	39
13	LADY SHRI RAM COLLEGE (W)	0	8	8	0	8	8	0	0	0	0	16	16
14	MATA SUNDRI COLLEGE (W)	0	23	23	0	15	15	0	0	0	0	38	38
15	MIRANDA HOUSE (W)	0	21	21	0	20	20	0	0	0	0	41	41
16	MOTILAL NEHRU COLLEGE	8	6	14	11	4	15	0	0	0	19	10	29
17	P.G.D.A.V. COLLEGE	6	3	9	5	6	11	0	0	0	11	9	20
18	RAJDHANI COLLEGE	9	3	12	7	4	11	0	0	0	16	7	23
19	RAMLAL ANAND COLLEGE	4	7	11	5	5	10	0	0	0	9	12	21
20	RAMJAS COLLEGE	19	6	25	20	5	25	0	0	0	39	11	50
21	S.G.T.B. KHALSA COLLEGE	2	7	9	9	2	11	0	0	0	11	9	20
22	SHIVAJI COLLEGE	14	5	19	20	1	21	0	0	0	34	6	40
23	SHYAM LAL COLLEGE	8	5	13	11	1	12	0	0	0	19	6	25
24	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	17	17	0	15	15	0	0	0	0	32	32
25	SRI AUROBINDO COLLEGE	8	2	10	9	3	12	0	0	0	17	5	22
26	SWAMI SHRADDHANAND COLLEGE	12	6	18	8	5	13	0	0	0	20	11	31
27	VIVEKANANDA COLLEGE (W)	0	22	22	0	19	19	0	0	0	0	41	41
28	ZAKIR HUSAIN DELHI COLLEGE	7	1	8	11	3	14	0	0	0	18	4	22
Total (Day):		162	285	447	177	259	436	0	0	0	339	544	883
Total (Day + Eve):		162	285	447	177	259	436	0	0	0	339	544	883
Total (Regular):		162	285	447	177	259	436	0	0	0	339	544	883
29	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	110	110	0	95	95	0	0	0	0	205	205
30	SCHOOL OF OPEN LEARNING	81	168	249	94	184	278	0	0	0	175	352	527

Total (Nonformal) :	81	278	359	94	279	373	0	0	0	175	557	732
Grand Total :	243	563	806	271	538	809	0	0	0	514	1101	1615

#### M.A. (LINGUISTICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF LINGUISTICS	19	30	49	8	25	33	0	0	0	27	55	82
	Total (Deptt) Day:	19	30	49	8	25	33	0	0	0	27	55	82
	Total (Deptt.) D+E:	19	30	49	8	25	33	0	0	0	27	55	82
	Total (Regular):	19	30	49	8	25	33	0	0	0	27	55	82
	Grand Total :	19	30	49	8	25	33	0	0	0	27	55	82

#### M.A. (PERSIAN)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF PERSIAN	6	2	8	3	5	8	0	0	0	9	7	16
	Total (Deptt) Day:	6	2	8	3	5	8	0	0	0	9	7	16
	Total (Deptt.) D+E:	6	2	8	3	5	8	0	0	0	9	7	16
	Total (Regular):	6	2	8	3	5	8	0	0	0	9	7	16
	Grand Total :	6	2	8	3	5	8	0	0	0	9	7	16

## M.A. (PHILOSOPHY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HINDU COLLEGE	12	9	21	8	12	20	0	0	0	20	21	41
2	I.P. COLLEGE (W)	0	19	19	0	14	14	0	0	0	0	33	33
3	JANKI DEVI MEMORIAL COLLEGE (W)	0	8	8	0	8	8	0	0	0	0	16	16
4	KAMALA NEHRU COLLEGE (W)	0	25	25	0	17	17	0	0	0	0	42	42
5	LADY SHRI RAM COLLEGE (W)	0	20	20	0	14	14	0	0	0	0	34	34
6	LAKSHMIBAI COLLEGE (W)	0	30	30	0	19	19	0	0	0	0	49	49
7	MIRANDA HOUSE (W)	0	17	17	0	13	13	0	0	0	0	30	30
8	RAMJAS COLLEGE	7	7	14	5	6	11	0	0	0	12	13	25
9	ST. STEPHEN'S COLLEGE	6	2	8	2	2	4	0	0	0	8	4	12
10	ZAKIR HUSAIN DELHI COLLEGE	8	9	17	7	7	14	0	0	0	15	16	31
Total (Day):		33	146	179	22	112	134	0	0	0	55	258	313
Total (Day + Eve):		33	146	179	22	112	134	0	0	0	55	258	313
11	DEPARTMENT OF PHILOSOPHY (SDC)	29	31	60	25	25	50	0	0	0	54	56	110
Total (Deptt) Day:		29	31	60	25	25	50	0	0	0	54	56	110
Total (Deptt.) D+E:		29	31	60	25	25	50	0	0	0	54	56	110
Total (Regular):		62	177	239	47	137	184	0	0	0	109	314	423
12	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	4	4	0	6	6	0	0	0	0	10	10
Total (Nonformal):		0	4	4	0	6	6	0	0	0	0	10	10
Grand Total :		62	181	243	47	143	190	0	0	0	109	324	433

## M.A. (PSYCHOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	40	40	0	34	34	0	0	0	0	74	74
2	I.P. COLLEGE (W)	0	49	49	0	44	44	0	0	0	0	93	93
3	ZAKIR HUSAIN DELHI COLLEGE	10	21	31	15	13	28	0	0	0	25	34	59
Total (Day):		10	110	120	15	91	106	0	0	0	25	201	226

Total (Day + Eve):	10	110	120	15	91	106	0	0	0	25	201	226
Total (Regular):	10	110	120	15	91	106	0	0	0	25	201	226
Grand Total :	10	110	120	15	91	106	0	0	0	25	201	226

#### M.A. (PUNJABI)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	MATA SUNDRI COLLEGE (W)	0	32	32	0	24	24	0	0	0	0	56	56
2	S.G.T.B. KHALSA COLLEGE	6	10	16	8	8	16	0	0	0	14	18	32
3	SHRI GURU NANAK DEV KHALSA COLLEG	1	7	8	7	4	11	0	0	0	8	11	19
Total (Day):		7	49	56	15	36	51	0	0	0	22	85	107
Total (Day + Eve):		7	49	56	15	36	51	0	0	0	22	85	107
Total (Regular):		7	49	56	15	36	51	0	0	0	22	85	107
4	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	12	12	0	16	16	0	0	0	0	28	28
Total (Nonformal):		0	12	12	0	16	16	0	0	0	0	28	28
Grand Total :		7	61	68	15	52	67	0	0	0	22	113	135

#### M.A. (SANSKRIT)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	27	27	0	18	18	0	0	0	0	45	45
2	DESHBANDHU COLLEGE	13	4	17	12	3	15	0	0	0	25	7	32
3	HANS RAJ COLLEGE	24	3	27	6	20	26	0	0	0	30	23	53
4	HINDU COLLEGE	17	10	27	14	6	20	0	0	0	31	16	47
5	I.P. COLLEGE (W)	0	18	18	0	10	10	0	0	0	0	28	28
6	JANKI DEVI MEMORIAL COLLEGE (W)	0	15	15	0	13	13	0	0	0	0	28	28
7	KALINDI COLLEGE (W)	0	13	13	0	6	6	0	0	0	0	19	19

8	KAMALA NEHRU COLLEGE (W)	0	21	21	0	16	16	0	0	0	0	37	37
9	KIRORI MAL COLLEGE	20	7	27	12	4	16	0	0	0	32	11	43
10	LADY SHRI RAM COLLEGE (W)	0	23	23	0	22	22	0	0	0	0	45	45
11	LAKSHMIBAI COLLEGE (W)	0	17	17	0	14	14	0	0	0	0	31	31
12	MATA SUNDRI COLLEGE (W)	0	10	10	0	7	7	0	0	0	0	17	17
13	MIRANDA HOUSE (W)	0	24	24	0	21	21	0	0	0	0	45	45
14	RAMJAS COLLEGE	22	3	25	12	7	19	0	0	0	34	10	44
15	SHIVAJI COLLEGE	23	3	26	9	2	11	0	0	0	32	5	37
16	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	12	12	0	8	8	0	0	0	0	20	20
17	SRI VENKATESWARA COLLEGE	19	3	22	13	1	14	0	0	0	32	4	36
18	ST. STEPHEN'S COLLEGE	3	0	3	2	3	5	0	0	0	5	3	8
19	VIVEKANANDA COLLEGE (W)	0	12	12	0	13	13	0	0	0	0	25	25
20	ZAKIR HUSAIN DELHI COLLEGE	12	1	13	10	5	15	0	0	0	22	6	28
-----													
Total (Day):		153	226	379	90	199	289	0	0	0	243	425	668
-----													
Total (Day + Eve):		153	226	379	90	199	289	0	0	0	243	425	668
-----													
Total (Regular):		153	226	379	90	199	289	0	0	0	243	425	668
=====													
21	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	4	4	0	4	4	0	0	0	0	8	8
22	SCHOOL OF OPEN LEARNING	24	18	42	7	21	28	0	0	0	31	39	70
-----													
Total (Nonformal):		24	22	46	7	25	32	0	0	0	31	47	78
=====													
Grand Total :		177	248	425	97	224	321	0	0	0	274	472	746
=====													

M.A. (HISPANIC)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	6	10	16	3	13	16	0	0	0	9	23	32
-----													
Total (Deptt) Day:		6	10	16	3	13	16	0	0	0	9	23	32
-----													
Total (Deptt.) D+E:		6	10	16	3	13	16	0	0	0	9	23	32
=====													
Total (Regular):		6	10	16	3	13	16	0	0	0	9	23	32
=====													
Grand Total :		6	10	16	3	13	16	0	0	0	9	23	32
=====													

## M.A. (TAMIL)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF MODERN INDIAN LANGU	1	0	1	0	1	1	0	0	0	1	1	2
Total (Deptt) Day:		1	0	1	0	1	1	0	0	0	1	1	2
Total (Deptt.) D+E:		1	0	1	0	1	1	0	0	0	1	1	2
Total (Regular):		1	0	1	0	1	1	0	0	0	1	1	2
Grand Total :		1	0	1	0	1	1	0	0	0	1	1	2

## M.A. (URDU)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	KIRORI MAL COLLEGE	29	8	37	17	5	22	0	0	0	46	13	59
2	ZAKIR HUSAIN DELHI COLLEGE	13	10	23	18	2	20	0	0	0	31	12	43
Total (Day):		42	18	60	35	7	42	0	0	0	77	25	102
Total (Day + Eve):		42	18	60	35	7	42	0	0	0	77	25	102
Total (Regular):		42	18	60	35	7	42	0	0	0	77	25	102
Grand Total :		42	18	60	35	7	42	0	0	0	77	25	102

## M.A. (COMPARATIVE INDIAN LITERATURE)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF MODERN INDIAN LANGU	10	10	20	4	9	13	0	0	0	14	19	33
Total (Deptt) Day:		10	10	20	4	9	13	0	0	0	14	19	33
Total (Deptt.) D+E:		10	10	20	4	9	13	0	0	0	14	19	33
Total (Regular):		10	10	20	4	9	13	0	0	0	14	19	33
Grand Total :		10	10	20	4	9	13	0	0	0	14	19	33

## M.A. (ITALIAN)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GERMANIC & ROMANCE	3	7	10	2	1	3	0	0	0	5	8	13
Total (Deptt) Day:		3	7	10	2	1	3	0	0	0	5	8	13
Total (Deptt.) D+E:		3	7	10	2	1	3	0	0	0	5	8	13
Total (Regular):		3	7	10	2	1	3	0	0	0	5	8	13
Grand Total :		3	7	10	2	1	3	0	0	0	5	8	13

## M.A. (ECONOMICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ECONOMICS	88	162	250	57	105	162	0	0	0	145	267	412
Total (Deptt) Day:		88	162	250	57	105	162	0	0	0	145	267	412



Total (Deptt.) D+E:	88	162	250	57	105	162	0	0	0	145	267	412
Total (Regular):	88	162	250	57	105	162	0	0	0	145	267	412
Grand Total :	88	162	250	57	105	162	0	0	0	145	267	412

#### M.A. (GEOGRAPHY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GEOGRAPHY	49	29	78	51	33	84	0	0	0	100	62	162
	Total (Deptt) Day:	49	29	78	51	33	84	0	0	0	100	62	162
	Total (Deptt.) D+E:	49	29	78	51	33	84	0	0	0	100	62	162
	Total (Regular):	49	29	78	51	33	84	0	0	0	100	62	162
	Grand Total :	49	29	78	51	33	84	0	0	0	100	62	162

#### M.A. (HISTORY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	22	22	0	21	21	0	0	0	0	43	43
2	HANS RAJ COLLEGE	17	8	25	17	10	27	0	0	0	34	18	52
3	HINDU COLLEGE	18	7	25	17	19	36	0	0	0	35	26	61
4	I.P. COLLEGE (W)	0	23	23	0	6	6	0	0	0	0	29	29
5	JANKI DEVI MEMORIAL COLLEGE (W)	0	11	11	0	2	2	0	0	0	0	13	13
6	KAMALA NEHRU COLLEGE (W)	0	25	25	0	6	6	0	0	0	0	31	31
7	KIRORI MAL COLLEGE	26	4	30	28	7	35	0	0	0	54	11	65
8	LADY SHRI RAM COLLEGE (W)	0	35	35	0	22	22	0	0	0	0	57	57
9	MIRANDA HOUSE (W)	0	24	24	0	24	24	0	0	0	0	48	48
10	RAJDHANI COLLEGE	12	0	12	9	0	9	0	0	0	21	0	21
11	RAMJAS COLLEGE	44	5	49	26	7	33	0	0	0	70	12	82
12	S.G.T.B. KHALSA COLLEGE	3	2	5	0	0	0	0	0	0	3	2	5
13	SRI VENKATESWARA COLLEGE	21	7	28	25	6	31	0	0	0	46	13	59
14	ST. STEPHEN'S COLLEGE	6	5	11	6	3	9	0	0	0	12	8	20

15	ZAKIR HUSAIN DELHI COLLEGE	5	3	8	3	0	3	0	0	0	8	3	11
Total (Day):		152	181	333	131	133	264	0	0	0	283	314	597
Total (Day + Eve):		152	181	333	131	133	264	0	0	0	283	314	597
16	DEPARTMENT OF HISTORY (SDC)	11	3	14	9	2	11	0	0	0	20	5	25
Total (Deptt) Day:		11	3	14	9	2	11	0	0	0	20	5	25
Total (Deptt.) D+E:		11	3	14	9	2	11	0	0	0	20	5	25
Total (Regular):		163	184	347	140	135	275	0	0	0	303	319	622
17	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	61	61	0	87	87	0	0	0	0	148	148
18	SCHOOL OF OPEN LEARNING	49	25	74	20	34	54	0	0	0	69	59	128
Total (Non-formal):		49	86	135	20	121	141	0	0	0	69	207	276
Grand Total :		212	270	482	160	256	416	0	0	0	372	526	898

M.A. (POLITICAL SCIENCE)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	22	11	33	13	8	21	0	0	0	35	19	54
2	DAULAT RAM COLLEGE (W)	0	35	35	0	34	34	0	0	0	0	69	69
3	DESHBANDHU COLLEGE	31	4	35	14	11	25	0	0	0	45	15	60
4	GARGI COLLEGE (W)	0	23	23	0	19	19	0	0	0	0	42	42
5	HINDU COLLEGE	18	12	30	9	8	17	0	0	0	27	20	47
6	I.P. COLLEGE (W)	0	23	23	0	25	25	0	0	0	0	48	48
7	JANKI DEVI MEMORIAL COLLEGE (W)	0	10	10	0	8	8	0	0	0	0	18	18
8	KALINDI COLLEGE (W)	0	13	13	0	9	9	0	0	0	0	22	22
9	KAMALA NEHRU COLLEGE (W)	0	28	28	0	24	24	0	0	0	0	52	52
10	KIRORI MAL COLLEGE	36	15	51	36	13	49	0	0	0	72	28	100
11	LADY SHRI RAM COLLEGE (W)	0	20	20	0	18	18	0	0	0	0	38	38
12	LAKSHMIBAI COLLEGE (W)	0	9	9	0	10	10	0	0	0	0	19	19
13	MAITREYI COLLEGE (W)	0	31	31	0	25	25	0	0	0	0	56	56
14	MATA SUNDRI COLLEGE (W)	0	20	20	0	11	11	0	0	0	0	31	31
15	MOTILAL NEHRU COLLEGE	22	9	31	19	7	26	0	0	0	41	16	57
16	P.G.D.A.V. COLLEGE	11	6	17	12	2	14	0	0	0	23	8	31
17	RAMJAS COLLEGE	34	8	42	21	11	32	0	0	0	55	19	74

18	S.G.T.B. KHALSA COLLEGE	12	3	15	4	4	8	0	0	0	16	7	23
19	SATYAWATI COLLEGE	16	2	18	18	3	21	0	0	0	34	5	39
20	SHIVAJI COLLEGE	15	4	19	14	4	18	0	0	0	29	8	37
21	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	13	13	0	7	7	0	0	0	0	20	20
22	ZAKIR HUSAIN DELHI COLLEGE	13	6	19	9	5	14	0	0	0	22	11	33
Total (Day):		230	305	535	169	266	435	0	0	0	399	571	970
Total (Day + Eve):		230	305	535	169	266	435	0	0	0	399	571	970
Total (Regular):		230	305	535	169	266	435	0	0	0	399	571	970
23	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	110	110	0	100	100	0	0	0	0	210	210
24	SCHOOL OF OPEN LEARNING	178	205	383	92	136	228	0	0	0	270	341	611
Total (Nonformal):		178	315	493	92	236	328	0	0	0	270	551	821
Grand Total :		408	620	1028	261	502	763	0	0	0	669	1122	1791

#### M.A. (SOCIAL WORK)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF SOCIAL WORK	55	40	95	32	34	66	0	0	0	87	74	161
Total (Deptt) Day:		55	40	95	32	34	66	0	0	0	87	74	161
Total (Deptt.) D+E:		55	40	95	32	34	66	0	0	0	87	74	161
Total (Regular):		55	40	95	32	34	66	0	0	0	87	74	161
Grand Total :		55	40	95	32	34	66	0	0	0	87	74	161

#### M.A. (SOCIOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF SOCIOLOGY	28	48	76	15	50	65	0	0	0	43	98	141
Total (Deptt) Day:		28	48	76	15	50	65	0	0	0	43	98	141

Total (Deptt.) D+E:	28	48	76	15	50	65	0	0	0	43	98	141
Total (Regular):	28	48	76	15	50	65	0	0	0	43	98	141
Grand Total :	28	48	76	15	50	65	0	0	0	43	98	141

M.A. (JAPANESE)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF EAST ASIAN STUDIES	1	0	1	4	1	5	0	0	0	5	1	6
	Total (Deptt) Day:	1	0	1	4	1	5	0	0	0	5	1	6
	Total (Deptt.) D+E:	1	0	1	4	1	5	0	0	0	5	1	6
	Total (Regular):	1	0	1	4	1	5	0	0	0	5	1	6
	Grand Total :	1	0	1	4	1	5	0	0	0	5	1	6

M.A. (EAST ASIAN STUDIES)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF EAST ASIAN STUDIES	27	8	35	13	11	24	0	0	0	40	19	59
	Total (Deptt) Day:	27	8	35	13	11	24	0	0	0	40	19	59
	Total (Deptt.) D+E:	27	8	35	13	11	24	0	0	0	40	19	59
	Total (Regular):	27	8	35	13	11	24	0	0	0	40	19	59
	Grand Total :	27	8	35	13	11	24	0	0	0	40	19	59

## M.A. (LIFE LONG LARNING &amp; EXTN.)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ADULT CONT. ED. & E	29	5	34	17	14	31	0	0	0	46	19	65
	Total (Deptt) Day:	29	5	34	17	14	31	0	0	0	46	19	65
	Total (Deptt.) D+E:	29	5	34	17	14	31	0	0	0	46	19	65
	Total (Regular):	29	5	34	17	14	31	0	0	0	46	19	65
	Grand Total :	29	5	34	17	14	31	0	0	0	46	19	65

## M.A. (MATHEMATICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	MAITREYI COLLEGE (W)	0	10	10	0	10	10	0	0	0	0	20	20
	Total (Day):	0	10	10	0	10	10	0	0	0	0	20	20
	Total (Day + Eve):	0	10	10	0	10	10	0	0	0	0	20	20
	Total (Regular):	0	10	10	0	10	10	0	0	0	0	20	20
	Grand Total :	0	10	10	0	10	10	0	0	0	0	20	20

## M.A. (OPER.RESEARCH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	I.P. COLLEGE (W)	0	8	8	0	9	9	0	0	0	0	17	17
	Total (Day):	0	8	8	0	9	9	0	0	0	0	17	17
	Total (Day + Eve):	0	8	8	0	9	9	0	0	0	0	17	17

Total (Regular):	0	8	8	0	9	9	0	0	0	0	17	17
Grand Total :	0	8	8	0	9	9	0	0	0	0	17	17

#### M.A. ENVIRONMENTAL STUDIES

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ENVIRONMENTAL STUDI	20	5	25	14	6	20	0	0	0	34	11	45
	Total (Deptt) Day:	20	5	25	14	6	20	0	0	0	34	11	45
	Total (Deptt.) D+E:	20	5	25	14	6	20	0	0	0	34	11	45
	Total (Regular):	20	5	25	14	6	20	0	0	0	34	11	45
	Grand Total :	20	5	25	14	6	20	0	0	0	34	11	45

#### M.A. (MUSIC)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DAULAT RAM COLLEGE (W)	0	3	3	0	7	7	0	0	0	0	10	10
2	I.P. COLLEGE (W)	0	4	4	0	4	4	0	0	0	0	8	8
3	MIRANDA HOUSE (W)	0	16	16	0	11	11	0	0	0	0	27	27
4	RAMJAS COLLEGE	20	5	25	30	0	30	0	0	0	50	5	55
	Total (Day):	20	28	48	30	22	52	0	0	0	50	50	100
	Total (Day + Eve):	20	28	48	30	22	52	0	0	0	50	50	100
	Total (Regular):	20	28	48	30	22	52	0	0	0	50	50	100
	Grand Total :	20	28	48	30	22	52	0	0	0	50	50	100

## M.A. (RUSSIAN)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPTT.OF SLAVONIC & FINNO-UGRIAN	12	5	17	8	10	18	0	0	0	20	15	35
	Total (Deptt) Day:	12	5	17	8	10	18	0	0	0	20	15	35
	Total (Deptt.) D+E:	12	5	17	8	10	18	0	0	0	20	15	35
	Total (Regular):	12	5	17	8	10	18	0	0	0	20	15	35
	Grand Total :	12	5	17	8	10	18	0	0	0	20	15	35

## M.COM

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	4	14	18	5	10	15	0	0	0	9	24	33
2	DESHBANDHU COLLEGE	1	7	8	3	5	8	0	0	0	4	12	16
3	HANS RAJ COLLEGE	13	24	37	11	22	33	0	0	0	24	46	70
4	HINDU COLLEGE	7	14	21	1	15	16	0	0	0	8	29	37
5	JANKI DEVI MEMORIAL COLLEGE (W)	0	18	18	0	17	17	0	0	0	0	35	35
6	MOTILAL NEHRU COLLEGE	10	15	25	7	15	22	0	0	0	17	30	47
7	P.G.D.A.V. COLLEGE	2	7	9	3	6	9	0	0	0	5	13	18
8	RAJDHANI COLLEGE	9	10	19	4	10	14	0	0	0	13	20	33
9	RAMJAS COLLEGE	11	13	24	5	13	18	0	0	0	16	26	42
10	S.G.T.B. KHALSA COLLEGE	4	5	9	2	4	6	0	0	0	6	9	15
11	SHAHEED BHAGAT SINGH COLLEGE	11	14	25	8	12	20	0	0	0	19	26	45
12	SRI G.G.S. COLLEGE OF COMMERCE	1	9	10	1	9	10	0	0	0	2	18	20
13	SRI RAM COLLEGE OF COMMERCE	14	34	48	14	27	41	0	0	0	28	61	89
14	ZAKIR HUSAIN DELHI COLLEGE	4	13	17	6	7	13	0	0	0	10	20	30
15	SHRI GURU NANAK DEV KHALSA COLLEG	6	7	13	4	8	12	0	0	0	10	15	25
	Total (Day):	97	204	301	74	180	254	0	0	0	171	384	555
	Total (Day + Eve):	97	204	301	74	180	254	0	0	0	171	384	555
16	DEPARTMENT OF COMMERCE	29	71	100	41	58	99	0	0	0	70	129	199
	Total (Deptt) Day:	29	71	100	41	58	99	0	0	0	70	129	199

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Total (Deptt.) D+E:	29	71	100	41	58	99	0	0	0	70	129	199
=====												
Total (Regular):	126	275	401	115	238	353	0	0	0	241	513	754
=====												
17 SCHOOL OF OPEN LEARNING	255	420	675	178	457	635	0	0	0	433	877	1310
-----												
Total (Nonformal):	255	420	675	178	457	635	0	0	0	433	877	1310
=====												
Grand Total :	381	695	1076	293	695	988	0	0	0	674	1390	2064
=====												

MBA (BUSINESS ECONOMICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF BUSINESS ECONOMICS	43	23	66	39	11	50	0	0	0	82	34	116
Total (Deptt) Day:		43	23	66	39	11	50	0	0	0	82	34	116
Total (Deptt.) D+E:		43	23	66	39	11	50	0	0	0	82	34	116
Total (Regular):		43	23	66	39	11	50	0	0	0	82	34	116
Grand Total :		43	23	66	39	11	50	0	0	0	82	34	116

MBA (FINANCIAL MANAGEMENT)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF FINANCIAL STUDIES	33	6	39	23	8	31	0	0	0	56	14	70
Total (Deptt) Day:		33	6	39	23	8	31	0	0	0	56	14	70
Total (Deptt.) D+E:		33	6	39	23	8	31	0	0	0	56	14	70
Total (Regular):		33	6	39	23	8	31	0	0	0	56	14	70



Grand Total :	33	6	39	23	8	31	0	0	0	56	14	70
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MBA (HUMAN RESOURCE DEVELOPMENT)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF COMMERCE	35	29	64	34	22	56	0	0	0	69	51	120
	Total (Deptt) Day:	35	29	64	34	22	56	0	0	0	69	51	120
	Total (Deptt.) D+E:	35	29	64	34	22	56	0	0	0	69	51	120
	Total (Regular):	35	29	64	34	22	56	0	0	0	69	51	120
	Grand Total :	35	29	64	34	22	56	0	0	0	69	51	120

MBA (INTERNATIONAL BUSINESS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF COMMERCE	54	17	71	58	7	65	0	0	0	112	24	136
	Total (Deptt) Day:	54	17	71	58	7	65	0	0	0	112	24	136
	Total (Deptt.) D+E:	54	17	71	58	7	65	0	0	0	112	24	136
	Total (Regular):	54	17	71	58	7	65	0	0	0	112	24	136
	Grand Total :	54	17	71	58	7	65	0	0	0	112	24	136

MCA (MASTER OF COMPUTER APPLICATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF COMPUTER SCIENCE	32	16	48	29	14	43	25	18	43	86	48	134

Total (Deptt) Day:	32	16	48	29	14	43	25	18	43	86	48	134
Total (Deptt.) D+E:	32	16	48	29	14	43	25	18	43	86	48	134
Total (Regular):	32	16	48	29	14	43	25	18	43	86	48	134
Grand Total :	32	16	48	29	14	43	25	18	43	86	48	134

M.Sc.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	2	4	6	5	4	9	0	0	0	7	8	15
2	DESHBANDHU COLLEGE	4	1	5	4	0	4	0	0	0	8	1	9
3	DYAL SINGH COLLEGE	4	1	5	5	1	6	0	0	0	9	2	11
4	GARGI COLLEGE (W)	0	13	13	0	12	12	0	0	0	0	25	25
5	HANS RAJ COLLEGE	129	138	267	136	131	267	0	0	0	265	269	534
6	HINDU COLLEGE	106	123	229	83	97	180	0	0	0	189	220	409
7	I.P. COLLEGE (W)	0	22	22	0	18	18	0	0	0	0	40	40
8	INSTITUTE OF HOME ECONOMICS (W)	0	33	33	0	32	32	0	0	0	0	65	65
9	JANKI DEVI MEMORIAL COLLEGE (W)	0	18	18	0	13	13	0	0	0	0	31	31
10	KIRORI MAL COLLEGE	101	100	201	109	79	188	0	0	0	210	179	389
11	LADY IRWIN COLLEGE (W)	0	92	92	0	105	105	0	0	0	0	197	197
12	LADY SHRI RAM COLLEGE (W)	0	22	22	0	15	15	0	0	0	0	37	37
13	MIRANDA HOUSE (W)	0	153	153	0	162	162	0	0	0	0	315	315
14	P.G.D.A.V. COLLEGE	3	1	4	3	2	5	0	0	0	6	3	9
15	RAMJAS COLLEGE	117	92	209	99	71	170	0	0	0	216	163	379
16	S.G.T.B. KHALSA COLLEGE	21	32	53	13	14	27	0	0	0	34	46	80
17	SRI VENKATESWARA COLLEGE	43	40	83	43	40	83	0	0	0	86	80	166
18	ST. STEPHEN'S COLLEGE	7	16	23	9	9	18	0	0	0	16	25	41
19	ZAKIR HUSAIN DELHI COLLEGE	37	10	47	17	15	32	0	0	0	54	25	79
Total (Day):		574	911	1485	526	820	1346	0	0	0	1100	1731	2831
Total (Eve):		0	0	0	0	0	0	0	0	0	0	0	0
Total (Day + Eve) :		574	911	1485	526	820	1346	0	0	0	1100	1731	2831
20	CLUSTER INNOVATION CENTRE (CIC)	10	5	15	12	8	20	0	0	0	22	13	35
21	DEPARTMENT OF COMPUTER SCIENCE	24	25	49	22	13	35	0	0	0	46	38	84
22	DEPARTMENT OF OPER. RESEARCH (SDC)	18	24	42	26	18	44	0	0	0	44	42	86
23	DEPARTMENT OF ANTHROPOLOGY	20	24	44	18	30	48	0	0	0	38	54	92
24	DR.B.R.A. CENTRE FOR BIO-MEDICAL	9	32	41	9	31	40	0	0	0	18	63	81

25	DEPARTMENT OF ENVIRONMENTAL STUDIE	18	14	32	13	12	25	0	0	0	31	26	57
Total (Fac./Deptt./Centre):		99	124	223	100	112	212	0	0	0	199	236	435
Total (Regular):		673	1035	1708	626	932	1558	0	0	0	1299	1967	3266
26	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	66	66	0	56	56	0	0	0	0	122	122
Total (Nonformal):		0	66	66	0	56	56	0	0	0	0	122	122
Grand Total:		673	1101	1774	626	988	1614	0	0	0	1299	2089	3388

M.Sc. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NT. M.Sc. EARTH SC. (PG)	18	3	21	0	0	0	0	0	0	18	3	21
2	MATHEMATICS EDUCATION	10	5	15	12	8	20	0	0	0	22	13	35
3	MATHEMATICS)	138	202	340	132	186	318	0	0	0	270	388	658
4	STATISTICS)	46	47	93	35	42	77	0	0	0	81	89	170
5	OPER.RESEARCH)	48	41	89	41	38	79	0	0	0	89	79	168
6	APPLIED OPERATIONAL RESEAR	18	24	42	26	18	44	0	0	0	44	42	86
7	COMPUTER SCIENCE)	24	25	49	22	13	35	0	0	0	46	38	84
8	ANTHROPOLOGY)	10	18	28	15	25	40	0	0	0	25	43	68
9	BOTANY)	9	67	76	16	54	70	0	0	0	25	121	146
10	CHEMISTRY)	93	198	291	104	156	260	0	0	0	197	354	551
11	GEOLOGY)	18	12	30	24	10	34	0	0	0	42	22	64
12	PHYSICS)	182	114	296	136	103	239	0	0	0	318	217	535
13	ZOOLOGY)	12	84	96	23	69	92	0	0	0	35	153	188
14	HOME SCIENCE)	0	125	125	0	137	137	0	0	0	0	262	262
15	BIO-MEDICAL RESEARCH	9	32	41	9	31	40	0	0	0	18	63	81
16	ENVIRONMENTAL STUDIES)	18	14	32	13	12	25	0	0	0	31	26	57
17	(FORENSIC SCIENCE)	20	24	44	18	30	48	0	0	0	38	54	92
Total:		673	1035	1708	626	932	1558	0	0	0	1299	1967	3266

## M.Sc. MATHEMATICS EDUCATION

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	CLUSTER INNOVATION CENTRE (CIC)	10	5	15	12	8	20	0	0	0	22	13	35
Total (Deptt) Day:		10	5	15	12	8	20	0	0	0	22	13	35
Total (Deptt.) D+E:		10	5	15	12	8	20	0	0	0	22	13	35
Total (Regular):		10	5	15	12	8	20	0	0	0	22	13	35
Grand Total :		10	5	15	12	8	20	0	0	0	22	13	35

## M.Sc. (MATHEMATICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	2	3	5	4	3	7	0	0	0	6	6	12
2	DESHBANDHU COLLEGE	4	1	5	4	0	4	0	0	0	8	1	9
3	DYAL SINGH COLLEGE	4	1	5	5	1	6	0	0	0	9	2	11
4	HANS RAJ COLLEGE	18	28	46	20	30	50	0	0	0	38	58	96
5	HINDU COLLEGE	24	15	39	19	16	35	0	0	0	43	31	74
6	I.P. COLLEGE (W)	0	22	22	0	18	18	0	0	0	0	40	40
7	JANKI DEVI MEMORIAL COLLEGE (W)	0	18	18	0	13	13	0	0	0	0	31	31
8	KIRORI MAL COLLEGE	22	23	45	24	21	45	0	0	0	46	44	90
9	LADY SHRI RAM COLLEGE (W)	0	11	11	0	6	6	0	0	0	0	17	17
10	MIRANDA HOUSE (W)	0	28	28	0	31	31	0	0	0	0	59	59
11	P.G.D.A.V. COLLEGE	3	1	4	3	2	5	0	0	0	6	3	9
12	RAMJAS COLLEGE	21	20	41	23	12	35	0	0	0	44	32	76
13	S.G.T.B. KHALSA COLLEGE	6	11	17	4	6	10	0	0	0	10	17	27
14	SRI VENKATESWARA COLLEGE	10	6	16	8	13	21	0	0	0	18	19	37
15	ST. STEPHEN'S COLLEGE	1	6	7	2	4	6	0	0	0	3	10	13
16	ZAKIR HUSAIN DELHI COLLEGE	23	8	31	16	10	26	0	0	0	39	18	57
Total (Day):		138	202	340	132	186	318	0	0	0	270	388	658
Total (Day + Eve):		138	202	340	132	186	318	0	0	0	270	388	658
Total (Regular):		138	202	340	132	186	318	0	0	0	270	388	658
17	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	66	66	0	56	56	0	0	0	0	122	122

Total (Nonformal) :	0	66	66	0	56	56	0	0	0	0	122	122
Grand Total :	138	268	406	132	242	374	0	0	0	270	510	780

#### M.Sc. (STATISTICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HINDU COLLEGE	13	17	30	13	12	25	0	0	0	26	29	55
2	LADY SHRI RAM COLLEGE (W)	0	11	11	0	9	9	0	0	0	0	20	20
3	RAMJAS COLLEGE	20	9	29	11	10	21	0	0	0	31	19	50
4	SRI VENKATESWARA COLLEGE	13	10	23	11	11	22	0	0	0	24	21	45
Total (Day) :		46	47	93	35	42	77	0	0	0	81	89	170
Total (Day + Eve) :		46	47	93	35	42	77	0	0	0	81	89	170
Total (Regular) :		46	47	93	35	42	77	0	0	0	81	89	170
Grand Total :		46	47	93	35	42	77	0	0	0	81	89	170

#### M.Sc. (OPER. RESEARCH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	9	11	20	8	13	21	0	0	0	17	24	41
2	HINDU COLLEGE	12	10	22	7	9	16	0	0	0	19	19	38
3	KIRORI MAL COLLEGE	14	14	28	18	7	25	0	0	0	32	21	53
4	RAMJAS COLLEGE	12	5	17	7	8	15	0	0	0	19	13	32
5	ST. STEPHEN'S COLLEGE	1	1	2	1	1	2	0	0	0	2	2	4
Total (Day) :		48	41	89	41	38	79	0	0	0	89	79	168
Total (Day + Eve) :		48	41	89	41	38	79	0	0	0	89	79	168
Total (Regular) :		48	41	89	41	38	79	0	0	0	89	79	168
Grand Total :		48	41	89	41	38	79	0	0	0	89	79	168

## M.Sc. (APPLIED OPERATIONAL RESEARCH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF OPER. RESEARCH (SDC)	18	24	42	26	18	44	0	0	0	44	42	86
	Total (Deptt) Day:	18	24	42	26	18	44	0	0	0	44	42	86
	Total (Deptt.) D+E:	18	24	42	26	18	44	0	0	0	44	42	86
	Total (Regular):	18	24	42	26	18	44	0	0	0	44	42	86
	Grand Total :	18	24	42	26	18	44	0	0	0	44	42	86

## M.Sc. (COMPUTER SCIENCE)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF COMPUTER SCIENCE	24	25	49	22	13	35	0	0	0	46	38	84
	Total (Deptt) Day:	24	25	49	22	13	35	0	0	0	46	38	84
	Total (Deptt.) D+E:	24	25	49	22	13	35	0	0	0	46	38	84
	Total (Regular):	24	25	49	22	13	35	0	0	0	46	38	84
	Grand Total :	24	25	49	22	13	35	0	0	0	46	38	84

## M.Sc. (ANTHROPOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	10	11	21	15	13	28	0	0	0	25	24	49
2	MIRANDA HOUSE (W)	0	7	7	0	12	12	0	0	0	0	19	19
	Total (Day):	10	18	28	15	25	40	0	0	0	25	43	68

Total (Day + Eve) :	10	18	28	15	25	40	0	0	0	25	43	68
Total (Regular) :	10	18	28	15	25	40	0	0	0	25	43	68
Grand Total :	10	18	28	15	25	40	0	0	0	25	43	68

M.Sc. (BOTANY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	3	15	18	5	14	19	0	0	0	8	29	37
2	HINDU COLLEGE	3	20	23	6	13	19	0	0	0	9	33	42
3	KIRORI MAL COLLEGE	2	5	7	0	5	5	0	0	0	2	10	12
4	MIRANDA HOUSE (W)	0	19	19	0	18	18	0	0	0	0	37	37
5	RAMJAS COLLEGE	1	6	7	4	3	7	0	0	0	5	9	14
6	S.G.T.B. KHALSA COLLEGE	0	2	2	1	1	2	0	0	0	1	3	4
Total (Day) :		9	67	76	16	54	70	0	0	0	25	121	146
Total (Day + Eve) :		9	67	76	16	54	70	0	0	0	25	121	146
Total (Regular) :		9	67	76	16	54	70	0	0	0	25	121	146
Grand Total :		9	67	76	16	54	70	0	0	0	25	121	146

M.Sc. (CHEMISTRY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	0	1	1	1	1	2	0	0	0	1	2	3
2	GARGI COLLEGE (W)	0	13	13	0	12	12	0	0	0	0	25	25
3	HANS RAJ COLLEGE	13	20	33	14	17	31	0	0	0	27	37	64
4	HINDU COLLEGE	19	29	48	17	26	43	0	0	0	36	55	91
5	KIRORI MAL COLLEGE	19	33	52	28	25	53	0	0	0	47	58	105
6	MIRANDA HOUSE (W)	0	40	40	0	38	38	0	0	0	0	78	78
7	RAMJAS COLLEGE	16	31	47	24	16	40	0	0	0	40	47	87
8	S.G.T.B. KHALSA COLLEGE	2	11	13	3	6	9	0	0	0	5	17	22
9	SRI VENKATESWARA COLLEGE	7	11	18	12	8	20	0	0	0	19	19	38
10	ST. STEPHEN'S COLLEGE	3	7	10	4	2	6	0	0	0	7	9	16
11	ZAKIR HUSAIN DELHI COLLEGE	14	2	16	1	5	6	0	0	0	15	7	22

Total (Day):	93	198	291	104	156	260	0	0	0	197	354	551
Total (Day + Eve):	93	198	291	104	156	260	0	0	0	197	354	551
Total (Regular):	93	198	291	104	156	260	0	0	0	197	354	551
Grand Total :	93	198	291	104	156	260	0	0	0	197	354	551

#### M.Sc. (GEOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	18	12	30	24	10	34	0	0	0	42	22	64
	Total (Day):	18	12	30	24	10	34	0	0	0	42	22	64
	Total (Day + Eve):	18	12	30	24	10	34	0	0	0	42	22	64
	Total (Regular):	18	12	30	24	10	34	0	0	0	42	22	64
	Grand Total :	18	12	30	24	10	34	0	0	0	42	22	64

#### M.Sc. (PHYSICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	37	19	56	38	19	57	0	0	0	75	38	113
2	HINDU COLLEGE	33	16	49	17	11	28	0	0	0	50	27	77
3	KIRORI MAL COLLEGE	43	14	57	37	15	52	0	0	0	80	29	109
4	MIRANDA HOUSE (W)	0	36	36	0	36	36	0	0	0	0	72	72
5	RAMJAS COLLEGE	44	17	61	28	17	45	0	0	0	72	34	106
6	S.G.T.B. KHALSA COLLEGE	12	3	15	5	0	5	0	0	0	17	3	20
7	SRI VENKATESWARA COLLEGE	11	7	18	9	3	12	0	0	0	20	10	30
8	ST. STEPHEN'S COLLEGE	2	2	4	2	2	4	0	0	0	4	4	8
	Total (Day):	182	114	296	136	103	239	0	0	0	318	217	535
	Total (Day + Eve):	182	114	296	136	103	239	0	0	0	318	217	535



Total (Regular):	182	114	296	136	103	239	0	0	0	318	217	535
Grand Total :	182	114	296	136	103	239	0	0	0	318	217	535

M.Sc. (ZOOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	3	19	22	12	15	27	0	0	0	15	34	49
2	HINDU COLLEGE	2	16	18	4	10	14	0	0	0	6	26	32
3	KIRORI MAL COLLEGE	1	11	12	2	6	8	0	0	0	3	17	20
4	MIRANDA HOUSE (W)	0	23	23	0	27	27	0	0	0	0	50	50
5	RAMJAS COLLEGE	3	4	7	2	5	7	0	0	0	5	9	14
6	S.G.T.B. KHALSA COLLEGE	1	5	6	0	1	1	0	0	0	1	6	7
7	SRI VENKATESWARA COLLEGE	2	6	8	3	5	8	0	0	0	5	11	16
Total (Day):		12	84	96	23	69	92	0	0	0	35	153	188
Total (Day + Eve):		12	84	96	23	69	92	0	0	0	35	153	188
Total (Regular):		12	84	96	23	69	92	0	0	0	35	153	188
Grand Total :		12	84	96	23	69	92	0	0	0	35	153	188

M.Sc. (HOME SCIENCE)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	INSTITUTE OF HOME ECONOMICS (W)	0	33	33	0	32	32	0	0	0	0	65	65
2	LADY IRWIN COLLEGE (W)	0	92	92	0	105	105	0	0	0	0	197	197
Total (Day):		0	125	125	0	137	137	0	0	0	0	262	262
Total (Day + Eve):		0	125	125	0	137	137	0	0	0	0	262	262
Total (Regular):		0	125	125	0	137	137	0	0	0	0	262	262
Grand Total :		0	125	125	0	137	137	0	0	0	0	262	262

## M.Sc. (BIO-MEDICAL RESEARCH)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DR.B.R.A. CENTRE FOR BIO-MEDICAL	9	32	41	9	31	40	0	0	0	18	63	81
Total (Deptt) Day:		9	32	41	9	31	40	0	0	0	18	63	81
Total (Deptt.) D+E:		9	32	41	9	31	40	0	0	0	18	63	81
Total (Regular):		9	32	41	9	31	40	0	0	0	18	63	81
Grand Total :		9	32	41	9	31	40	0	0	0	18	63	81

## M.Sc. (ENVIRONMENTAL STUDIES)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ENVIRONMENTAL STUDI	18	14	32	13	12	25	0	0	0	31	26	57
Total (Deptt) Day:		18	14	32	13	12	25	0	0	0	31	26	57
Total (Deptt.) D+E:		18	14	32	13	12	25	0	0	0	31	26	57
Total (Regular):		18	14	32	13	12	25	0	0	0	31	26	57
Grand Total :		18	14	32	13	12	25	0	0	0	31	26	57

## M.Sc. (Applied Sc.) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BIO-CHEMISTRY)	3	9	12	2	8	10	0	0	0	5	17	22
2	ELECTRONICS)	23	7	30	12	6	18	0	0	0	35	13	48
3	GENETICS)	4	9	13	2	10	12	0	0	0	6	19	25
4	MICRO-BIOLOGY)	2	11	13	4	4	8	0	0	0	6	15	21
5	PLANT MOLE. BIO. & BIO-TECH.	2	8	10	4	7	11	0	0	0	6	15	21

6	INFORMATICS & COMMUNICATION)	36	16	52	26	15	41	0	0	0	62	31	93
Total:		70	60	130	50	50	100	0	0	0	120	110	230

M.Sc. (BIO-CHEMISTRY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF BIO-CHEMISTRY (SDC)	3	9	12	2	8	10	0	0	0	5	17	22
Total (Deptt) Day:		3	9	12	2	8	10	0	0	0	5	17	22
Total (Deptt.) D+E:		3	9	12	2	8	10	0	0	0	5	17	22
Total (Regular):		3	9	12	2	8	10	0	0	0	5	17	22
Grand Total :		3	9	12	2	8	10	0	0	0	5	17	22

M.Sc. (ELECTRONICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ELECTRONIC SCIENCE	23	7	30	12	6	18	0	0	0	35	13	48
Total (Deptt) Day:		23	7	30	12	6	18	0	0	0	35	13	48
Total (Deptt.) D+E:		23	7	30	12	6	18	0	0	0	35	13	48
Total (Regular):		23	7	30	12	6	18	0	0	0	35	13	48
Grand Total :		23	7	30	12	6	18	0	0	0	35	13	48

M.Sc. (GENETICS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF GENETICS (SDC)	4	9	13	2	10	12	0	0	0	6	19	25

Total (Deptt) Day:	4	9	13	2	10	12	0	0	0	6	19	25
Total (Deptt.) D+E:	4	9	13	2	10	12	0	0	0	6	19	25
Total (Regular):	4	9	13	2	10	12	0	0	0	6	19	25
Grand Total :	4	9	13	2	10	12	0	0	0	6	19	25

M.Sc. (MICRO-BIOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF MICRO-BIOLOGY (SDC)	2	11	13	4	4	8	0	0	0	6	15	21
	Total (Deptt) Day:	2	11	13	4	4	8	0	0	0	6	15	21
	Total (Deptt.) D+E:	2	11	13	4	4	8	0	0	0	6	15	21
	Total (Regular):	2	11	13	4	4	8	0	0	0	6	15	21
	Grand Total :	2	11	13	4	4	8	0	0	0	6	15	21

M.Sc. (PLANT MOLE. BIO. & BIO-TECH.)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPTT. OF PLANT MOLECULAR BIOLOGY	2	8	10	4	7	11	0	0	0	6	15	21
	Total (Deptt) Day:	2	8	10	4	7	11	0	0	0	6	15	21
	Total (Deptt.) D+E:	2	8	10	4	7	11	0	0	0	6	15	21
	Total (Regular):	2	8	10	4	7	11	0	0	0	6	15	21
	Grand Total :	2	8	10	4	7	11	0	0	0	6	15	21

M.Sc. (INFORMATICS & COMMUNICATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	INSTT. OF INFORMATIC & COMMUNICA.	36	16	52	26	15	41	0	0	0	62	31	93
Total (Deptt) Day:		36	16	52	26	15	41	0	0	0	62	31	93
Total (Deptt.) D+E:		36	16	52	26	15	41	0	0	0	62	31	93
Total (Regular):		36	16	52	26	15	41	0	0	0	62	31	93
Grand Total :		36	16	52	26	15	41	0	0	0	62	31	93

M.SC. (MED. IMAGING TECH. RADIOGRAP

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	U.C.M.S. & G.T.B. HOSPITAL	2	3	5	1	4	5	0	0	0	3	7	10
Total (Day):		2	3	5	1	4	5	0	0	0	3	7	10
Total (Day + Eve):		2	3	5	1	4	5	0	0	0	3	7	10
Total (Regular):		2	3	5	1	4	5	0	0	0	3	7	10
Grand Total :		2	3	5	1	4	5	0	0	0	3	7	10

M. NURSING

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	R.A.K. COLLEGE OF NURSING (W)	1	23	24	1	23	24	0	0	0	2	46	48
2	HOLLY FAMILY	0	23	23	0	23	23	0	0	0	0	46	46
Total (Day):		1	46	47	1	46	47	0	0	0	2	92	94
Total (Day + Eve):		1	46	47	1	46	47	0	0	0	2	92	94

Total (Regular):	1	46	47	1	46	47	0	0	0	2	92	94
Grand Total :	1	46	47	1	46	47	0	0	0	2	92	94

M.F.A. (M. FINE ART)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	COLLEGE OF ART	28	20	48	29	28	57	0	0	0	57	48	105
	Total (Day):	28	20	48	29	28	57	0	0	0	57	48	105
	Total (Day + Eve):	28	20	48	29	28	57	0	0	0	57	48	105
	Total (Regular):	28	20	48	29	28	57	0	0	0	57	48	105
	Grand Total :	28	20	48	29	28	57	0	0	0	57	48	105

M.TECH (MICROWAVE ELECT.)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	DEPARTMENT OF ELECTRONIC SCIENCE	25	4	29	12	8	20	0	0	0	37	12	49
	Total (Deptt) Day:	25	4	29	12	8	20	0	0	0	37	12	49
	Total (Deptt.) D+E:	25	4	29	12	8	20	0	0	0	37	12	49
	Total (Regular):	25	4	29	12	8	20	0	0	0	37	12	49
	Grand Total :	25	4	29	12	8	20	0	0	0	37	12	49

## B.ED.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	LADY IRWIN COLLEGE (W)	0	77	77	0	92	92	0	0	0	0	169	169
2	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	56	56	0	48	48	0	0	0	0	104	104
3	M.V. COLLEGE OF EDUCATION	62	42	104	48	44	92	0	0	0	110	86	196
Total (Day):		62	175	237	48	184	232	0	0	0	110	359	469
Total (Day + Eve):		62	175	237	48	184	232	0	0	0	110	359	469
4	Faculty of Education	51	58	109	54	56	110	0	0	0	105	114	219
Total (Deptt) Day:		51	58	109	54	56	110	0	0	0	105	114	219
Total (Deptt.) D+E:		51	58	109	54	56	110	0	0	0	105	114	219
Total (Regular):		113	233	346	102	240	342	0	0	0	215	473	688
Grand Total :		113	233	346	102	240	342	0	0	0	215	473	688

## B.ED. (SPECIAL EDUCATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	LADY IRWIN COLLEGE (W)	0	28	28	0	29	29	0	0	0	0	57	57
2	DURGA BAI DESHMUKH COLLEGE	19	8	27	11	9	20	0	0	0	30	17	47
Total (Day):		19	36	55	11	38	49	0	0	0	30	74	104
Total (Day + Eve):		19	36	55	11	38	49	0	0	0	30	74	104
Total (Regular):		19	36	55	11	38	49	0	0	0	30	74	104
Grand Total :		19	36	55	11	38	49	0	0	0	30	74	104

## M.Ed. (FULL TIME)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Education	12	43	55	4	49	53	0	0	0	16	92	108
	Total (Deptt) Day:	12	43	55	4	49	53	0	0	0	16	92	108
	Total (Deptt.) D+E:	12	43	55	4	49	53	0	0	0	16	92	108
	Total (Regular):	12	43	55	4	49	53	0	0	0	16	92	108
	Grand Total :	12	43	55	4	49	53	0	0	0	16	92	108

## B.P.ED. (B.PHY. EDUCATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	I.G.INST.OF PHY.EDU.& SPORTS Sc.	34	15	49	36	13	49	0	0	0	70	28	98
	Total (Day):	34	15	49	36	13	49	0	0	0	70	28	98
	Total (Day + Eve):	34	15	49	36	13	49	0	0	0	70	28	98
	Total (Regular):	34	15	49	36	13	49	0	0	0	70	28	98
	Grand Total :	34	15	49	36	13	49	0	0	0	70	28	98

## M.P.ED. (MASTER OF PHY. EDUCATION)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	I.G.INST.OF PHY.EDU.& SPORTS Sc.	25	14	39	31	11	42	0	0	0	56	25	81
	Total (Day):	25	14	39	31	11	42	0	0	0	56	25	81
	Total (Day + Eve):	25	14	39	31	11	42	0	0	0	56	25	81



Total (Regular):	25	14	39	31	11	42	0	0	0	56	25	81
Grand Total :	25	14	39	31	11	42	0	0	0	56	25	81

LL.B.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	CAMPUS LAW CENTRE	664	178	842	434	164	598	422	221	643	1520	563	2083
2	LAW CENTRE - II	572	229	801	402	171	573	320	78	398	1294	478	1772
Total (Deptt) Day:		1236	407	1643	836	335	1171	742	299	1041	2814	1041	3855
3	LAW CENTRE - I	651	184	835	455	144	599	500	234	734	1606	562	2168
Total (Deptt) Eve:		651	184	835	455	144	599	500	234	734	1606	562	2168
Total (Deptt.) D+E:		1887	591	2478	1291	479	1770	1242	533	1775	4420	1603	6023
Total (Regular):		1887	591	2478	1291	479	1770	1242	533	1775	4420	1603	6023
Grand Total :		1887	591	2478	1291	479	1770	1242	533	1775	4420	1603	6023

LL.M. (TWO YEAR)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	FACULTY OF LAW	36	26	62	23	17	40	0	0	0	59	43	102
Total (Deptt) Day:		36	26	62	23	17	40	0	0	0	59	43	102
Total (Deptt.) D+E:		36	26	62	23	17	40	0	0	0	59	43	102
Total (Regular):		36	26	62	23	17	40	0	0	0	59	43	102
Grand Total :		36	26	62	23	17	40	0	0	0	59	43	102

## LL.M. (THREE YEAR)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	FACULTY OF LAW	33	12	45	24	9	33	20	8	28	77	29	106
	Total (Deptt) Eve:	33	12	45	24	9	33	20	8	28	77	29	106
	Total (Deptt.) D+E:	33	12	45	24	9	33	20	8	28	77	29	106
	Total (Regular):	33	12	45	24	9	33	20	8	28	77	29	106
	Grand Total :	33	12	45	24	9	33	20	8	28	77	29	106

## M.C.L. (2 Yr.)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	FACULTY OF LAW	1	0	1	2	0	2	0	0	0	3	0	3
	Total (Deptt) Eve:	1	0	1	2	0	2	0	0	0	3	0	3
	Total (Deptt.) D+E:	1	0	1	2	0	2	0	0	0	3	0	3
	Total (Regular):	1	0	1	2	0	2	0	0	0	3	0	3
	Grand Total :	1	0	1	2	0	2	0	0	0	3	0	3

## M.B.A. (FULL TIME) 2 Yr.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Management Studies	181	41	222	187	35	222	0	0	0	368	76	444
	Total (Deptt) Day:	181	41	222	187	35	222	0	0	0	368	76	444
	Total (Deptt.) D+E:	181	41	222	187	35	222	0	0	0	368	76	444

Total (Regular):	181	41	222	187	35	222	0	0	0	368	76	444
Grand Total :	181	41	222	187	35	222	0	0	0	368	76	444

M.B.A. EXECUTIVE 2 Yr.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Management Studies	138	14	152	125	14	139	0	0	0	263	28	291
	Total (Deptt) Day:	138	14	152	125	14	139	0	0	0	263	28	291
	Total (Deptt.) D+E:	138	14	152	125	14	139	0	0	0	263	28	291
	Total (Regular):	138	14	152	125	14	139	0	0	0	263	28	291
	Grand Total :	138	14	152	125	14	139	0	0	0	263	28	291

M.B.A. EXECUTIVE (HCA) 2 Yr.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Management Studies	20	13	33	22	8	30	0	0	0	42	21	63
	Total (Deptt) Day:	20	13	33	22	8	30	0	0	0	42	21	63
	Total (Deptt.) D+E:	20	13	33	22	8	30	0	0	0	42	21	63
	Total (Regular):	20	13	33	22	8	30	0	0	0	42	21	63
	Grand Total :	20	13	33	22	8	30	0	0	0	42	21	63

## MDS (M. IN DENTAL SURG)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	MAULANA AZAD INSTITUTE OF DENTAL	6	12	18	7	11	18	6	12	18	19	35	54
Total (Day):		6	12	18	7	11	18	6	12	18	19	35	54
Total (Day + Eve):		6	12	18	7	11	18	6	12	18	19	35	54
Total (Regular):		6	12	18	7	11	18	6	12	18	19	35	54
Grand Total :		6	12	18	7	11	18	6	12	18	19	35	54

## M.Tech. (Full Time) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	EMBEDDED SYSTEM & VLSI) FT	8	3	11	10	1	11	0	0	0	18	4	22
2	INDUSTRIAL ELECTRONICS) FT	7	3	10	5	3	8	0	0	0	12	6	18
3	PRODUCTION ENGINEERING) FT	9	1	10	6	0	6	0	0	0	15	1	16
4	(SIGNAL PROC.) FT	5	5	10	7	5	12	0	0	0	12	10	22
5	(INFORM. SYS.) FT	8	5	13	8	6	14	0	0	0	16	11	27
6	(PROCESS CONT.) FT	7	6	13	9	4	13	0	0	0	16	10	26
7	(ENGINEERING MANAGEMENT)	7	0	7	2	0	2	0	0	0	9	0	9
8	(Bio-Chemical Engineering)	1	1	2	0	0	0	0	0	0	1	1	2
Total:		52	24	76	47	19	66	0	0	0	99	43	142

## M.TECH (EMBEDDED SYSTEM &amp; VLSI) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	8	3	11	10	1	11	0	0	0	18	4	22
Total (Day):		8	3	11	10	1	11	0	0	0	18	4	22
Total (Day + Eve):		8	3	11	10	1	11	0	0	0	18	4	22

Total (Regular):	8	3	11	10	1	11	0	0	0	18	4	22
Grand Total :	8	3	11	10	1	11	0	0	0	18	4	22

#### M.TECH (INDUSTRIAL ELECTRONICS) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	7	3	10	5	3	8	0	0	0	12	6	18
Total (Day):		7	3	10	5	3	8	0	0	0	12	6	18
Total (Day + Eve):		7	3	10	5	3	8	0	0	0	12	6	18
Total (Regular):		7	3	10	5	3	8	0	0	0	12	6	18
Grand Total :		7	3	10	5	3	8	0	0	0	12	6	18

#### M.TECH (PRODUCTION ENGINEERING) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	9	1	10	6	0	6	0	0	0	15	1	16
Total (Day):		9	1	10	6	0	6	0	0	0	15	1	16
Total (Day + Eve):		9	1	10	6	0	6	0	0	0	15	1	16
Total (Regular):		9	1	10	6	0	6	0	0	0	15	1	16
Grand Total :		9	1	10	6	0	6	0	0	0	15	1	16

#### M.TECH (SIGNAL PROC.) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	5	5	10	7	5	12	0	0	0	12	10	22

Total (Day):	5	5	10	7	5	12	0	0	0	12	10	22
Total (Day + Eve):	5	5	10	7	5	12	0	0	0	12	10	22
Total (Regular):	5	5	10	7	5	12	0	0	0	12	10	22
Grand Total :	5	5	10	7	5	12	0	0	0	12	10	22

M.TECH (INFORM. SYS.) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	8	5	13	8	6	14	0	0	0	16	11	27
	Total (Day):	8	5	13	8	6	14	0	0	0	16	11	27
	Total (Day + Eve):	8	5	13	8	6	14	0	0	0	16	11	27
	Total (Regular):	8	5	13	8	6	14	0	0	0	16	11	27
	Grand Total :	8	5	13	8	6	14	0	0	0	16	11	27

M.TECH (PROCESS CONT.) FT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	7	6	13	9	4	13	0	0	0	16	10	26
	Total (Day):	7	6	13	9	4	13	0	0	0	16	10	26
	Total (Day + Eve):	7	6	13	9	4	13	0	0	0	16	10	26
	Total (Regular):	7	6	13	9	4	13	0	0	0	16	10	26
	Grand Total :	7	6	13	9	4	13	0	0	0	16	10	26

M.TECH (ENGINEERING MANAGEMENT)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	7	0	7	2	0	2	0	0	0	9	0	9
Total (Day):		7	0	7	2	0	2	0	0	0	9	0	9
Total (Day + Eve):		7	0	7	2	0	2	0	0	0	9	0	9
Total (Regular):		7	0	7	2	0	2	0	0	0	9	0	9
Grand Total :		7	0	7	2	0	2	0	0	0	9	0	9

M.Tech. (Part Time) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	(SIGNAL PROC.) PT	0	0	0	0	0	0	2	0	2	2	0	2
2	(INFORM. SYS.) PT	3	2	5	1	1	2	2	2	4	6	5	11
3	(PROCESS CONT.) PT	0	0	0	1	0	1	1	0	1	2	0	2
Total:		3	2	5	2	1	3	5	2	7	10	5	15

M.TECH. (SIGNAL PROC.) PT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	0	0	0	0	0	0	2	0	2	2	0	2
Total (Day):		0	0	0	0	0	0	2	0	2	2	0	2
Total (Day + Eve):		0	0	0	0	0	0	2	0	2	2	0	2

Total (Regular):	0	0	0	0	0	0	2	0	2	2	0	2
Grand Total :	0	0	0	0	0	0	2	0	2	2	0	2

M.TECH (INFORM. SYS.) PT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	3	2	5	1	1	2	2	2	4	6	5	11
Total (Day):		3	2	5	1	1	2	2	2	4	6	5	11
Total (Day + Eve):		3	2	5	1	1	2	2	2	4	6	5	11
Total (Regular):		3	2	5	1	1	2	2	2	4	6	5	11
Grand Total :		3	2	5	1	1	2	2	2	4	6	5	11

M.TECH (PROCESS CONT.) PT

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NETAJI SUBHAS INSTITUTE OF TECHNO	0	0	0	1	0	1	1	0	1	2	0	2
Total (Day):		0	0	0	1	0	1	1	0	1	2	0	2
Total (Day + Eve):		0	0	0	1	0	1	1	0	1	2	0	2
Total (Regular):		0	0	0	1	0	1	1	0	1	2	0	2
Grand Total :		0	0	0	1	0	1	1	0	1	2	0	2



## D.M. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	(CARDIOLOGY)	7	0	7	6	1	7	7	0	7	20	1	21
2	MEDICAL (GASTROENTEROLOGY)	3	0	3	3	0	3	3	0	3	9	0	9
3	(NEUROLOGY)	5	4	9	7	2	9	9	0	9	21	6	27
4	(NEONATOLOGY)	5	1	6	2	4	6	6	0	6	13	5	18
5	(CARDIAC ANAESTHESIA)	1	0	1	0	0	0	0	0	0	1	0	1
Total:		21	5	26	18	7	25	25	0	25	64	12	76

## D.M. (CARDIOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	7	0	7	6	1	7	7	0	7	20	1	21
Total (Deptt) Day:		7	0	7	6	1	7	7	0	7	20	1	21
Total (Deptt.) D+E:		7	0	7	6	1	7	7	0	7	20	1	21
Total (Regular):		7	0	7	6	1	7	7	0	7	20	1	21
Grand Total :		7	0	7	6	1	7	7	0	7	20	1	21

## D.M. MEDICAL (GASTROENTEROLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	3	0	3	3	0	3	3	0	3	9	0	9
Total (Deptt) Day:		3	0	3	3	0	3	3	0	3	9	0	9
Total (Deptt.) D+E:		3	0	3	3	0	3	3	0	3	9	0	9
Total (Regular):		3	0	3	3	0	3	3	0	3	9	0	9
Grand Total :		3	0	3	3	0	3	3	0	3	9	0	9

## D.M. (NEUROLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	5	4	9	7	2	9	9	0	9	21	6	27
	Total (Deptt) Day:	5	4	9	7	2	9	9	0	9	21	6	27
	Total (Deptt.) D+E:	5	4	9	7	2	9	9	0	9	21	6	27
	Total (Regular):	5	4	9	7	2	9	9	0	9	21	6	27
	Grand Total :	5	4	9	7	2	9	9	0	9	21	6	27

## D.M. (NEONATOLOGY)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	5	1	6	2	4	6	6	0	6	13	5	18
	Total (Deptt) Day:	5	1	6	2	4	6	6	0	6	13	5	18
	Total (Deptt.) D+E:	5	1	6	2	4	6	6	0	6	13	5	18
	Total (Regular):	5	1	6	2	4	6	6	0	6	13	5	18
	Grand Total :	5	1	6	2	4	6	6	0	6	13	5	18

## D.M. (CARDIAC ANAESTHESIA)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	1	0	1	0	0	0	0	0	0	1	0	1
	Total (Deptt) Day:	1	0	1	0	0	0	0	0	0	1	0	1

Total (Deptt.) D+E:	1	0	1	0	0	0	0	0	0	0	1	0	1
Total (Regular):	1	0	1	0	0	0	0	0	0	0	1	0	1
Grand Total :	1	0	1	0	0	0	0	0	0	0	1	0	1

M.CH. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	. (PEADITRICS SURGERY)	5	1	6	8	0	8	6	0	6	19	1	20
2	. (CARDIO VASCULAR & THORACIC	6	0	6	4	2	6	6	0	6	16	2	18
3	. (NEURO-SURGERY)	4	2	6	6	0	6	6	0	6	16	2	18
4	. (SURGICAL GASTROENTEROLOGY)	3	0	3	2	1	3	3	0	3	8	1	9
Total:		18	3	21	20	3	23	21	0	21	59	6	65

M.D. (Subject Wise)

S.No.	Subject/Course	I Year			II Year			III Year			IV Year			V Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	(ANAESTHESIOLOGY)	2	8	10	2	8	10	2	8	10	0	0	0	0	0	0	6	24	30
2	(COMMUNITY MEDICINE)	1	2	3	2	3	5	1	3	4	0	0	0	0	0	0	4	8	12
3	(DERMATOLOGY & VENEROLOGY &	1	4	5	1	3	4	1	3	4	0	0	0	0	0	0	3	10	13
4	(FORENSIC MEDICINE)	3	0	3	0	0	0	2	0	2	0	0	0	0	0	0	5	0	5
5	(BIO-CHEMISTRY)	0	0	0	0	1	1	0	2	2	0	0	0	0	0	0	0	3	3
6	(GENERAL MEDICINE)	10	6	16	13	3	16	11	5	16	0	0	0	0	0	0	34	14	48
7	(MICROBIOLOGY)	0	1	1	1	2	3	0	3	3	0	0	0	0	0	0	1	6	7
8	(OBSTT. & GYNAE)	0	16	16	1	15	16	0	16	16	0	0	0	0	0	0	1	47	48
9	(PAEDIATRICS)	5	18	23	5	14	19	9	11	20	0	0	0	0	0	0	19	43	62
10	(PATHOLOGY)	4	3	7	0	7	7	0	7	7	0	0	0	0	0	0	4	17	21
11	(PHARMACOLOGY)	3	0	3	0	1	1	2	0	2	0	0	0	0	0	0	5	1	6
12	(PHYSIOLOGY)	0	0	0	1	1	2	1	0	1	0	0	0	0	0	0	2	1	3
13	(PSYCHIATRY)	1	4	5	1	1	2	1	1	2	0	0	0	0	0	0	3	6	9
14	(RADIO-DIAGNOSIS)	3	3	6	3	3	6	3	3	6	0	0	0	0	0	0	9	9	18
15	(RADIO-THERAPY)	1	4	5	2	0	2	0	2	2	0	0	0	0	0	0	3	6	9
16	(PULMONARY MED.)	2	3	5	3	2	5	2	3	5	0	0	0	0	0	0	7	8	15
Total:		36	72	108	35	64	99	35	67	102	0	0	0	0	0	0	106	203	309

Master of Surgery (Subject Wise)

S.No.	Subject/Course	I Year			II Year			III Year			IV Year			V Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	(ANATOMY)	0	0	0	0	2	2	1	1	2	0	0	0	0	0	0	1	3	4
2	(E.N.T.) OTORHINO	4	8	12	5	5	10	9	3	12	0	0	0	0	0	0	18	16	34
3	(OPHTHALMOLOGY)	7	10	17	10	9	19	8	10	18	0	0	0	0	0	0	25	29	54
4	(ORTHOPAEDICS)	28	0	28	21	0	21	19	0	19	0	0	0	0	0	0	68	0	68
5	(GENERAL SURGERY)	30	10	40	35	6	41	30	7	37	0	0	0	0	0	0	95	23	118
6	(DENTISTRY)	2	0	2	2	0	2	1	1	2	0	0	0	0	0	0	5	1	6
Total:		71	28	99	73	22	95	68	22	90	0	0	0	0	0	0	212	72	284

M.D. Homoeopathic Medicine Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	(PRACTICE OF MEDICINE)	0	2	2	2	1	3	0	0	0	2	3	5
2	(ORGANO OF MED. & HOMOEOPHY.)	0	2	2	2	0	2	0	3	3	2	5	7
Total:		0	4	4	4	1	5	0	3	3	4	8	12

M.D. Ayurvedic Medicine

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M.D. (KAYACHIKITSA)	1	2	3	0	3	3	0	0	0	0	0	0	0	0	0	1	5	6
2	M.D. (KRIYASHARIR)	2	1	3	1	2	3	0	0	0	0	0	0	0	0	0	3	3	6
3	M.D. (MOLIJAT)	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
4	M.D. (MUNAEUL-AZA)	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
5	M.D. (ILM-US-SIDLA)	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
6	M.D. (AMRAZ-E-NISWAN-WA-)	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Total :		10	6	16	1	5	6	0	0	0	0	0	0	0	0	0	11	11	22

P.G. Degree in Medical Science (College-Wise) and Other Institute

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	LADY HARDINGE MED. COLLEGE (W)	45	77	122	48	68	116	51	67	118	144	212	356
2	MAULANA AZAD MEDICAL COLLEGE	70	91	161	69	59	128	65	64	129	204	214	418
3	U.C.M.S. & G.T.B. HOSPITAL	69	58	127	56	60	116	54	56	110	179	174	353
4	V.P. CHEST INSTITUTE	3	3	6	4	3	7	4	4	8	11	10	21
5	AMAR JYOTI INSTT. OF PHYSIOTHERAPH	2	8	10	2	7	9	0	0	0	4	15	19
6	Otheò Institute	45	24	69	49	14	63	46	12	58	140	50	190
Total (Day):		234	261	495	228	211	439	220	203	423	682	675	1357

P.G.DEG. MED. SC.-OTHER INSTT.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	45	24	69	49	14	63	46	12	58	140	50	190
Total (Deptt) Day:		45	24	69	49	14	63	46	12	58	140	50	190
Total (Deptt.) D+E:		45	24	69	49	14	63	46	12	58	140	50	190
Total (Regular):		45	24	69	49	14	63	46	12	58	140	50	190
Grand Total :		45	24	69	49	14	63	46	12	58	140	50	190

P.G. Diploma (Medical Science) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ANAESTHESIOLOGY (D.A.)	0	2	2	5	2	7	0	0	0	5	4	9
2	DERMAT.& VENEREOLOGY (DD	0	1	1	0	1	1	0	0	0	0	2	2
3	RADIO-DIAGNOSIS (DMRD)	0	1	1	1	0	1	0	0	0	1	1	2
4	OBSTT.& GYNAECOLOGY (DGO	0	4	4	0	4	4	0	0	0	0	8	8
5	OPHTHALMOLOGY (D.O.)	0	1	1	2	2	4	0	0	0	2	3	5

6	OTORHINOLARYNGOLOGY (DLO	0	0	0	0	1	1	0	0	0	0	1	1
7	PAEDIATRICS (DCH)	1	0	1	2	1	3	0	0	0	3	1	4
8	D. SC.-OTHER INST.	4	0	4	5	3	8	0	0	0	9	3	12
-----		-----											
Total:		5	9	14	15	14	29	0	0	0	20	23	43
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P.G.DIP. MED. SC.-OTHER INST.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	Faculty of Medical Sciences	4	0	4	5	3	8	0	0	0	9	3	12
Total (Deptt) Day:		4	0	4	5	3	8	0	0	0	9	3	12
=====		=====											
Total (Deptt.) D+E:		4	0	4	5	3	8	0	0	0	9	3	12
=====		=====											
Total (Regular):		4	0	4	5	3	8	0	0	0	9	3	12
=====		=====											
Grand Total :		4	0	4	5	3	8	0	0	0	9	3	12
=====		=====											

FACULTY OF MEDICAL SCEINCES

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.D.S.	22	24	46	7	16	23	10	13	23	13	18	31	0	0	0	52	71	123
2	M.B.B.S.	262	338	600	285	317	602	284	326	610	293	318	611	299	340	639	1423	1639	3062
3	B.SC.(MEDICAL TECH.-RADI	11	2	13	9	6	15	11	3	14	0	0	0	0	0	0	31	11	42
4	D.M. (CARDIOLOGY)	7	0	7	6	1	7	7	0	7	0	0	0	0	0	0	20	1	21
5	D.M. MEDICAL (GASTROENTE	3	0	3	3	0	3	3	0	3	0	0	0	0	0	0	9	0	9
6	D.M. (NEUROLOGY)	5	4	9	7	2	9	9	0	9	0	0	0	0	0	0	21	6	27
7	D.M. (NEONATOLOGY)	5	1	6	2	4	6	6	0	6	0	0	0	0	0	0	13	5	18
8	M.CH. (PEADITRICS SURGER	5	1	6	8	0	8	6	0	6	0	0	0	0	0	0	19	1	20
9	M.CH. (CARDIO VASCULAR &	6	0	6	4	2	6	6	0	6	0	0	0	0	0	0	16	2	18
10	M.CH. (NEURO-SURGERY)	4	2	6	6	0	6	6	0	6	0	0	0	0	0	0	16	2	18
11	M.CH. (SURGICAL GASTROEN	3	0	3	2	1	3	3	0	3	0	0	0	0	0	0	8	1	9
12	M.D. (ANAESTHESIOLOGY)	20	30	50	15	17	32	15	16	31	0	0	0	0	0	0	50	63	113
13	M.D. (COMMUNITY MEDICINE	6	7	13	12	10	22	7	13	20	0	0	0	0	0	0	25	30	55
14	M.D. (DERMATOLOGY & VENE	4	7	11	2	8	10	1	9	10	0	0	0	0	0	0	7	24	31
15	M.D. (FORENSIC MEDICINE)	4	0	4	3	0	3	6	1	7	0	0	0	0	0	0	13	1	14

16	M.D. (BIO-CHEMISTRY)	0	0	0	1	4	5	3	5	8	0	0	0	0	0	0	4	9	13
17	M.D. (GENERAL MEDICINE)	32	17	49	32	16	48	32	12	44	0	0	0	0	0	0	96	45	141
18	M.D. (MICROBIOLOGY)	2	4	6	3	8	11	0	10	10	0	0	0	0	0	0	5	22	27
19	M.D. (OBSTT. & GYNAE)	1	43	44	1	38	39	1	38	39	0	0	0	0	0	0	3	119	122
20	M.D. (PAEDIATRICS)	14	42	56	10	33	43	22	22	44	0	0	0	0	0	0	46	97	143
21	M.D. (PATHOLOGY)	7	18	25	4	19	23	0	24	24	0	0	0	0	0	0	11	61	72
22	M.D. (PHARMACOLOGY)	5	0	5	3	2	5	4	1	5	0	0	0	0	0	0	12	3	15
23	M.D. (PHYSIOLOGY)	1	0	1	2	1	3	2	2	4	0	0	0	0	0	0	5	3	8
24	M.D. (PSYCHIATRY)	1	5	6	1	2	3	1	3	4	0	0	0	0	0	0	3	10	13
25	M.D. (RADIO-DIAGNOSIS)	16	21	37	10	8	18	10	8	18	0	0	0	0	0	0	36	37	73
26	M.D. (RADIO-THERAPY)	1	4	5	2	0	2	0	2	2	0	0	0	0	0	0	3	6	9
27	M.D. (PULMONARY MED.)	2	3	5	3	2	5	2	3	5	0	0	0	0	0	0	7	8	15
28	MDS (M. IN DENTAL SURG)	6	12	18	7	11	18	6	12	18	0	0	0	0	0	0	19	35	54
29	M.S. (ANATOMY)	0	0	0	0	2	2	1	1	2	0	0	0	0	0	0	1	3	4
30	M.S. (E.N.T.) OTORHINO	4	8	12	5	5	10	9	3	12	0	0	0	0	0	0	18	16	34
31	M.S. (OPHTHALMOLOGY)	7	10	17	10	9	19	8	10	18	0	0	0	0	0	0	25	29	54
32	M.S. (ORTHOPAEDICS)	28	0	28	21	0	21	19	0	19	0	0	0	0	0	0	68	0	68
33	M.S. (GENERAL SURGERY)	30	10	40	35	6	41	30	7	37	0	0	0	0	0	0	95	23	118
34	M.S. (DENTISTRY)	2	0	2	2	0	2	1	1	2	0	0	0	0	0	0	5	1	6
35	M.SC. (MED. IMAGING TECH	2	3	5	1	4	5	0	0	0	0	0	0	0	0	0	3	7	10
36	D.M. (CARDIAC ANAESTHESI	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
37	P.G.DEG. MED. SC.-OTHER	45	24	69	49	14	63	46	12	58	0	0	0	0	0	0	140	50	190
38	P.G.DIP.IN ANAESTHESIOLO	0	2	2	5	2	7	0	0	0	0	0	0	0	0	0	5	4	9
39	P.G.DIP.IN DERMAT. & VENE	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
40	P.G.DIP.IN RADIO-DIAGNOS	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2
41	P.G.DIP.IN OBSTT. & GYNAE	0	4	4	0	4	4	0	0	0	0	0	0	0	0	0	0	8	8
42	P.G.DIP.IN OPHTHALMOLOGY	0	1	1	2	2	4	0	0	0	0	0	0	0	0	0	2	3	5
43	P.G.DIP.IN OTORHINOLARYN	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
44	P.G.DIP.IN PAEDIATRICS (	1	0	1	2	1	3	0	0	0	0	0	0	0	0	0	3	1	4
45	P.G.DIP. MED. SC.-OTHER	4	0	4	5	3	8	0	0	0	0	0	0	0	0	0	9	3	12
46	Ph.D.	35	17	52	0	0	0	0	0	0	0	0	0	0	0	0	35	17	52
Total :		614	666	1280	588	582	1170	577	557	1134	306	336	642	299	340	639	2384	2481	4865

#### FACULTY OF TECHNOLOGY

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.E. (COMPTUER ENGG.)	180	25	205	158	41	199	178	33	211	143	49	192	0	0	0	659	148	807
2	B.E. (ELECTRONICS & COMM	184	19	203	153	47	200	162	40	202	142	50	192	0	0	0	641	156	797
3	B.E. (INSTRUM. & CONTROL	164	25	189	158	27	185	145	34	179	146	30	176	0	0	0	613	116	729
4	B.E. (MECHANICAL ENGG.)	65	2	67	59	2	61	58	3	61	0	0	0	0	0	0	182	7	189
5	B.E. BIO-TECHNOLOGY	29	6	35	30	10	40	28	9	37	15	10	25	0	0	0	102	35	137
6	B.E. (INFORMATION TECHNO	114	17	131	98	24	122	74	24	98	78	22	100	0	0	0	364	87	451
7	B.E. (MANUFACT PROCESS &	115	7	122	109	7	116	76	4	80	84	7	91	0	0	0	384	25	409
8	M.TECH (INDUSTRIAL ELECTR	7	3	10	5	3	8	0	0	0	0	0	0	0	0	0	12	6	18

9	M.TECH (PRODUCTION ENGINE	9	1	10	6	0	6	0	0	0	0	0	0	0	0	0	15	1	16
10	M.TECH (SIGNAL PROC.) FT	5	5	10	7	5	12	0	0	0	0	0	0	0	0	0	12	10	22
11	M.TECH (INFORM. SYS.) FT	8	5	13	8	6	14	0	0	0	0	0	0	0	0	0	16	11	27
12	M.TECH (PROCESS CONT.) F	7	6	13	9	4	13	0	0	0	0	0	0	0	0	0	16	10	26
13	M.TECH (ENGINEERING MANA	7	0	7	2	0	2	0	0	0	0	0	0	0	0	0	9	0	9
14	M.TECH. (SIGNAL PROC.) PT	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
15	M.TECH (INFORM. SYS.) PT	3	2	5	1	1	2	2	2	4	0	0	0	0	0	0	6	5	11
16	M.TECH (PROCESS CONT.) P	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
17	Ph.D.	67	83	150	0	0	0	0	0	0	0	0	0	0	0	0	67	83	150
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Total :		964	206	1170	804	177	981	726	149	875	608	168	776	0	0	0	3102	700	3802
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**STUDENTS ENROLMENT DATA**  
**UNDER OBC QUOTA**  
**2017-2018**

Number of Post-Graduate & Under-Graduate Students  
on rolls in the Faculty/Department and Colleges of the University  
For the Year 2017-2018  
UNDER OBC QUOTA

UNIVERSITY COLLEGES

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
1.	A. & U. TIBBIA COLLEGE	55	108	163	2	2	4	167
2.	A.R.S.D. COLLEGE	717	195	912	15	19	34	946
3.	ACHARYA NARENDRA DEV COLLEGE	483	152	635	4	3	7	642
4.	BHARATI COLLEGE (W)	0	538	538	0	9	9	547
5.	BHIM RAO AMBEDKAR COLLEGE	580	247	827	0	0	0	827
6.	SHAHEED RAJ GURU COLL. OF APP.SCS. (W)	0	265	265	0	0	0	265
7.	COLLEGE OF ART	111	65	176	14	11	25	201
8.	SHAHEED SUKHDEV COLL.OF BUSINESS STUDIES	180	76	256	0	0	0	256
9.	DELHI INSTT. OF PHARMA. SC. & RESEARCH	14	13	27	0	0	0	27
10.	COLLEGE OF VOCATIONAL STUDIES	526	134	660	0	0	0	660
11.	DAULAT RAM COLLEGE (W)	0	834	834	0	62	62	896
12.	DEEN DAYAL UPADHYAYA COLLEGE	441	218	659	0	0	0	659
13.	DELHI COLLEGE OF ARTS & COMMERCE	322	73	395	0	0	0	395
14.	NETAJI SUBHAS INSTITUTE OF TECHNOLOGY	812	104	916	0	0	0	916
15.	DESHBANDHU COLLEGE	828	184	1012	39	13	52	1064
16.	DYAL SINGH COLLEGE	823	351	1174	4	1	5	1179
17.	GARGI COLLEGE (W)	0	973	973	0	31	31	1004
18.	HANS RAJ COLLEGE	857	364	1221	112	88	200	1421
19.	HINDU COLLEGE	547	220	767	114	75	189	956
20.	I.G.INST.OF PHY.EDU.& SPORTS Sc.	75	12	87	36	11	47	134
21.	I.P. COLLEGE (W)	0	688	688	0	78	78	766
22.	INSTITUTE OF HOME ECONOMICS (W)	0	373	373	0	21	21	394
23.	JANKI DEVI MEMORIAL COLLEGE (W)	0	561	561	0	47	47	608
24.	KALINDI COLLEGE (W)	0	758	758	0	17	17	775
25.	KAMALA NEHRU COLLEGE (W)	0	578	578	0	59	59	637
26.	KIRORI MAL COLLEGE	976	236	1212	160	76	236	1448
27.	LADY HARDINGE MED. COLLEGE (W)	0	260	260	41	47	88	348
28.	LADY IRWIN COLLEGE (W)	0	217	217	0	104	104	321
29.	LADY SHRI RAM COLLEGE (W)	0	591	591	0	67	67	658
30.	LAKSHMIBAI COLLEGE (W)	0	829	829	0	18	18	847
31.	MAITREYI COLLEGE (W)	0	700	700	0	11	11	711
32.	MATA SUNDRI COLLEGE (W)	0	28	28	0	25	25	53
33.	MAULANA AZAD MEDICAL COLLEGE	222	112	334	73	51	124	458
34.	MIRANDA HOUSE (W)	0	919	919	0	144	144	1063
35.	MOTILAL NEHRU COLLEGE	672	157	829	31	11	42	871
36.	P.G.D.A.V. COLLEGE	693	227	920	10	8	18	938
37.	R.A.K. COLLEGE OF NURSING (W)	0	78	78	1	11	12	90

38. RAJDHANI COLLEGE	700	160	860	22	6	28	888
39. RAMLAL ANAND COLLEGE	352	73	425	3	5	8	433
40. RAMJAS COLLEGE	879	340	1219	125	55	180	1399
41. SATYAWATI COLLEGE	667	109	776	5	1	6	782
42. SHAHEED BHAGAT SINGH COLLEGE	555	195	750	6	4	10	760
43. SHIVAJI COLLEGE	720	232	952	27	1	28	980
44. SHYAM LAL COLLEGE	515	160	675	5	0	5	680
45. SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	593	593	0	36	36	629
46. SRI AUROBINDO COLLEGE	589	151	740	3	2	5	745
47. SRI RAM COLLEGE OF COMMERCE	299	292	591	22	31	53	644
48. SRI VENKATESWARA COLLEGE	276	584	860	23	46	69	929
49. SWAMI SHRADDHANAND COLLEGE	806	265	1071	5	2	7	1078
50. U.C.M.S. & G.T.B. HOSPITAL	203	33	236	58	40	98	334
51. VIVEKANANDA COLLEGE (W)	0	478	478	0	12	12	490
52. ZAKIR HUSAIN DELHI COLLEGE	531	190	721	77	26	103	824
53. NEHRU HOMOEOPATHIC MED.COL.& HOSPITAL	26	95	121	0	2	2	123
54. BHAGINI NIVEDITA COLLEGE (W)	0	293	293	0	0	0	293
55. KESHAV MAHAVIDHALAYA	338	101	439	0	0	0	439
56. ADITI MAHAVIDYALYA (W)	0	312	312	0	0	0	312
57. MAHARAJA AGARSEN CO-ED. COLLEGE	305	166	471	0	0	0	471
58. M.V. COLLEGE OF EDUCATION	0	0	0	36	13	49	49
59. BHASKARACHARYA COLL. OF APP. SCS.	233	62	295	0	0	0	295
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Total (Day) :	17928	17322	35250	1073	1402	2475	37725
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60. AHILYA BAI COLLEGE OF NURSING	0	42	42	0	0	0	42
61. AMAR JYOTI INSTT. OF PHYSIOTHERAPY	0	0	0	1	0	1	1
62. PT.DEEN DAYAL INSTT. FOR THE PHY. HAND	48	81	129	0	0	0	129
63. DURGA BAI DESHMUKH COLLEGE	0	0	0	10	2	12	12
64. ARMY HOSPITAL COLLEGE OF NURSING	0	29	29	0	0	0	29
65. HOLLY FAMILY	0	40	40	0	7	7	47
66. MAULANA AZAD INSTITUTE OF DENTAL SCIENCE	26	13	39	5	6	11	50
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Total (Other Inst) :	74	205	279	16	15	31	310
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67. RAMANUJAN COLLEGE	474	126	600	0	0	0	600
68. DYAL SINGH COLLEGE (EVE.)	525	97	622	0	0	0	622
69. MOTILAL NEHRU COLLEGE (EVE.)	461	69	530	0	0	0	530
70. P.G.D.A.V. COLLEGE (EVE.)	406	68	474	0	0	0	474
71. ARYABHATTA COLLEGE	376	116	492	0	0	0	492
72. SATYAWATI COLLEGE (EVE.)	504	57	561	0	0	0	561
73. SHAHEED BHAGAT SINGH COLLEGE (EVE.)	427	95	522	0	0	0	522
74. SHYAM LAL COLLEGE (EVE.)	323	58	381	0	0	0	381
75. SRI AUROBINDO COLLEGE (EVE.)	342	59	401	0	0	0	401
76. ZAKIR HUSAIN P.G. EVENING COLLEGE	631	92	723	0	0	0	723
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Total (Eve) :	4469	837	5306	0	0	0	5306
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Total (College):	22471	18364	40835	1089	1417	2506	43341
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UNIVERSITY FACULTY/DEPARTMENT/RECOGNISED INSTITUTIONS

S.No.	Faculty/Department	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
77.	DEPARTMENT OF ARABIC	93	28	121	21	0	21	142
78.	DEPARTMENT OF BUDDHIST STUDIES	0	0	0	67	17	84	84
79.	DEPARTMENT OF ENGLISH	0	0	0	10	22	32	32
80.	DEPARTMENT OF HINDI	0	0	0	47	24	71	71
81.	DEPARTMENT OF LIBRARY & INFORMATION SC.	0	0	0	11	21	32	32
82.	DEPARTMENT OF LINGUISTICS	0	0	0	9	18	27	27
83.	DEPARTMENT OF GERMANIC & ROMANCE STUDIES	83	33	116	15	12	27	143
84.	DEPARTMENT OF MODERN INDIAN LANGUAGE	2	0	2	23	19	42	44
85.	DEPARTMENT OF PERSIAN	49	12	61	6	4	10	71
86.	DEPARTMENT OF PHILOSOPHY	0	0	0	9	6	15	15
87.	DEPARTMENT OF PHILOSOPHY (SDC)	0	0	0	19	8	27	27
88.	DEPARTMENT OF PSYCHOLOGY	0	0	0	10	11	21	21
89.	DEPARTMENT OF PSYCHOLOGY (SDC)	0	0	0	1	13	14	14
90.	DEPARTMENT OF PUNJABI	13	5	18	5	11	16	34
91.	DEPARTMENT OF SANSKRIT	14	2	16	41	13	54	70
92.	DEPARTMENT OF URDU	65	33	98	58	22	80	178
93.	DEPARTMENT OF BUSINESS ECONOMICS (SDC)	0	0	0	27	15	42	42
94.	DEPTT.OF SLAVONIC & FINNO-UGRIAN STUDIES	83	26	109	8	7	15	124
95.	DEPARTMENT OF ADULT CONT. ED. & EXTN.	0	0	0	18	3	21	21
96.	DEPARTMENT OF AFRICAN STUDIES	0	0	0	16	1	17	17
97.	DEPARTMENT OF EAST ASIAN STUDIES	0	0	0	49	11	60	60
98.	DELHI SCHOOL OF JOURNALISM	25	6	31	0	0	0	31
99.	DEPARTMENT OF ECONOMICS	0	0	0	41	61	102	102
100.	DEPARTMENT OF GEOGRAPHY	0	0	0	46	21	67	67
101.	DEPARTMENT OF HISTORY	0	0	0	21	6	27	27
102.	DEPARTMENT OF HISTORY (SDC)	0	0	0	8	0	8	8
103.	DEPARTMENT OF POLITICAL SCIENCE	0	0	0	31	11	42	42
104.	DEPARTMENT OF SOCIAL WORK	0	0	0	41	23	64	64
105.	DEPARTMENT OF SOCIOLOGY	0	0	0	24	26	50	50
106.	CLUSTER INNOVATION CENTRE (CIC)	75	6	81	7	2	9	90
107.	DEPARTMENT OF COMPUTER SCIENCE	0	0	0	35	17	52	52
108.	DEPARTMENT OF MATHEMATICS	0	0	0	22	15	37	37
109.	DEPARTMENT OF OPERATIONAL RESEARCH	0	0	0	6	7	13	13
110.	DEPARTMENT OF STATISTICS	0	0	0	5	4	9	9
111.	DEPARTMENT OF OPER. RESEARCH (SDC)	0	0	0	16	8	24	24
112.	DEPARTMENT OF ANTHROPOLOGY	0	0	0	21	31	52	52
113.	DEPARTMENT OF BOTANY	0	0	0	9	17	26	26
114.	DEPARTMENT OF CHEMISTRY	0	0	0	18	22	40	40

115. DEPARTMENT OF GEOLOGY	0	0	0	11	4	15	15
116. DEPARTMENT OF HOME SCIENCE	0	0	0	0	3	3	3
117. DEPARTMENT OF PHYSICS	0	0	0	20	7	27	27
118. DEPARTMENT OF ZOOLOGY	0	0	0	10	6	16	16
119. DR.B.R.A. CENTRE FOR BIO-MEDICAL (ACBR)	0	0	0	9	19	28	28
120. DEPARTMENT OF ENVIRONMENTAL STUDIES	0	0	0	22	11	33	33
121. DEPARTMENT OF BIO-CHEMISTRY (SDC)	0	0	0	4	7	11	11
122. DEPARTMENT OF ELECTRONIC SCIENCE (SDC)	0	0	0	30	7	37	37
123. DEPARTMENT OF GENETICS (SDC)	0	0	0	6	11	17	17
124. DEPARTMENT OF MICRO-BIOLOGY (SDC)	0	0	0	1	7	8	8
125. DEPTT. OF PLANT MOLECULAR BIOLOGY (SDC)	0	0	0	5	4	9	9
126. DEPTT. OF BIO-PHYSICS (SDC)	0	0	0	0	2	2	2
127. INSTT. OF INFORMATIC & COMMUNICA. (IIC)	0	0	0	15	5	20	20
128. DEPARTMENT OF PHY. EDU.	0	0	0	6	2	8	8
129. CAMPUS LAW CENTRE	0	0	0	433	109	542	542
130. LAW CENTRE - I	0	0	0	448	111	559	559
131. LAW CENTRE - II	0	0	0	357	78	435	435
132. FACULTY OF LAW	0	0	0	33	22	55	55
133. Faculty of Medical Sciences	0	0	0	6	3	9	9
134. Faculty of Music & Fine Arts	0	0	0	11	6	17	17
135. MUSIC	0	0	0	2	4	6	6
136. Faculty of Management Studies	0	0	0	164	36	200	200
137. Faculty of Education	0	0	0	60	72	132	132
138. DEPARTMENT OF COMMERCE	0	0	0	78	69	147	147
139. DEPARTMENT OF FINANCIAL STUDIES	0	0	0	16	3	19	19
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Total (Fac./Deptt./Centre):	502	151	653	2568	1137	3705	4358
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Total (Regular) :	22973	18515	41488	3657	2554	6211	47699
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# UNIVERSITY NON-FORMAL CELL

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
141.	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	3162	3162	0	220	220	3382
142.	SCHOOL OF OPEN LEARNING	25437	15616	41053	259	355	614	41667
Total (Non-Formal):		25437	18778	44215	259	575	834	45049
Grand Total :		48410	37293	85703	3916	3129	7045	92748

Statement showing the Faculty-wise  
distribution of Students  
for the year 2017-2018  
UNDER OBC QUOTA  
UNDER-GRADUATE

Name of Faculty	REGULAR						NON-FORMAL						Total
	Day		Eve.& Part Time		Cert./Diploma		N.C.W.E.B.		S.O.L.				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
1. Arts	4280	5137	2079	377	409	169	0	1902	15464	10228	0	0	40045
2. Ayur. & Unani-Medicine	55	108	0	0	0	0	0	0	0	0	0	0	163
3. Homoeopathic Medicine	26	95	0	0	0	0	0	0	0	0	0	0	121
4. Inter-Disciplinary	569	405	0	0	0	0	0	0	0	0	0	0	974
5. Mathematical Sc.	1616	1106	176	17	0	0	0	0	0	0	0	0	2915
6. Medical Sc.	451	418	0	0	0	0	0	0	0	0	0	0	869
7. Music & Fine Arts	129	79	0	0	0	0	0	0	0	0	0	0	208
8. Science	3814	3184	0	0	0	0	0	0	0	0	0	0	6998
9. Social Science	2231	2766	614	85	3	1	0	0	2297	1443	0	0	9440
10. App.Soc.Sc.& Humanities	366	253	58	13	112	34	0	0	0	0	0	0	836
11. Commerce & Business	3556	3496	1542	345	0	0	0	1260	7676	3945	0	0	21820
12. Technology	812	104	0	0	0	0	0	0	0	0	0	0	916
13. Education	0	317	0	0	0	0	0	0	0	0	0	0	317
14. Centres (ACBR,CIC,IIC)	75	6	0	0	0	0	0	0	0	0	0	0	81
Grand Total (U.G.)	17980	17474	4469	837	524	204	0	3162	25437	15616	0	0	85703

POST-GRADUATE

Name of Faculty	Non-Formal													Total
	Regular (Day)		Regular (Eve.) & Part-Time		Cert./Diploma		N.C.W.E.B.		S.O.L.					
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
1. Arts	565	627	0	0	20	18	0	107	59	88	0	0	1484	
2. Ayur. & Unani-Medicine	2	2	0	0	0	0	0	0	0	0	0	0	4	
3. Inter-Disciplinary	88	51	0	0	4	1	0	0	0	0	0	0	144	
4. Mathematical Sc.	223	176	0	0	0	0	0	29	0	0	0	0	428	
5. Medical Sc.	179	145	0	0	5	2	0	0	0	0	0	0	331	
6. Homoeopathic Medicine	0	2	0	0	0	0	0	0	0	0	0	0	2	
7. Music & Fine Arts	34	23	0	0	2	4	0	0	0	0	0	0	63	
8. Science	292	405	0	0	3	20	0	0	0	0	0	0	720	
9. Social Science	450	337	0	0	28	7	0	84	94	73	0	0	1073	

10. App.Soc.Sc.& Humanities	35	22	0	0	17	16	0	0	0	0	0	0	90
11. Commerce & Business	138	159	0	0	0	0	0	0	106	194	0	0	597
12. Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
13. Education	106	155	0	0	0	0	0	0	0	0	0	0	261
14. Law	811	204	460	116	0	0	0	0	0	0	0	0	1591
15. Management	164	36	0	0	0	0	0	0	0	0	0	0	200
16. Centres (ACBR,CIC,IIC)	31	26	0	0	0	0	0	0	0	0	0	0	57
Grand Total (P.G.)	3118	2370	460	116	79	68	0	220	259	355	0	0	7045

Ph.D ON ROLLS  
FOR THE YEAR 2017-2018  
UNDER OBC QUOTA

Department	Male	Female	Total
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Faculty of Arts

DEPARTMENT OF ARABIC	12	0	12
DEPARTMENT OF BUDDHIST STUDIES	6	6	12
DEPARTMENT OF ENGLISH	3	2	5
DEPARTMENT OF HINDI	24	7	31
DEPARTMENT OF LIBRARY & INFORMATIO	1	5	6
DEPARTMENT OF LINGUISTICS	0	2	2
DEPARTMENT OF MODERN INDIAN LANGUA	11	6	17
DEPARTMENT OF PERSIAN	1	2	3
DEPARTMENT OF PHILOSOPHY	6	5	11
DEPARTMENT OF PSYCHOLOGY	10	11	21
DEPARTMENT OF PUNJABI	1	7	8
DEPARTMENT OF SANSKRIT	31	11	42
DEPARTMENT OF URDU	36	16	52
Sub Total : (Arts)	142	80	222

Faculty of App. Social Sc. & Humanities

DEPARTMENT OF BUSINESS ECONOMICS (	1	1	2
DEPTT.OF SLAVONIC & FINNO-UGRIAN S	2	3	5
Sub Total : (App. Social Sc.)	3	4	7

Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	1	0	1
DEPARTMENT OF AFRICAN STUDIES	7	1	8
DEPARTMENT OF EAST ASIAN STUDIES	4	3	7
DEPARTMENT OF ECONOMICS	3	1	4
DEPARTMENT OF GEOGRAPHY	9	3	12
DEPARTMENT OF HISTORY	15	3	18
DEPARTMENT OF POLITICAL SCIENCE	23	5	28
DEPARTMENT OF SOCIAL WORK	8	6	14
DEPARTMENT OF SOCIOLOGY	5	4	9
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Sub Total : (Social Sc.)	75	26	101
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Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	7	10	17
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Sub Total: (Commerce & Business)	7	10	17
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Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	17	10	27
DEPARTMENT OF OPERATIONAL RESEARCH	3	4	7
DEPARTMENT OF STATISTICS	2	2	4
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Sub Total : (Mathematical Sc.)	22	16	38
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Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	5	13	18
DEPARTMENT OF BOTANY	7	13	20
DEPARTMENT OF CHEMISTRY	18	22	40
DEPARTMENT OF GEOLOGY	2	2	4
DEPARTMENT OF HOME SCIENCE	0	3	3
DEPARTMENT OF PHYSICS	20	7	27
DEPARTMENT OF ZOOLOGY	9	6	15
DR.B.R.A. CENTRE FOR BIO-MEDICAL	1	4	5
DEPARTMENT OF ENVIRONMENTAL STUDIE	4	1	5
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Sub Total : (Science)	66	71	137
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Faculty of Inter-disciplinary & App. Sc.

DEPARTMENT OF BIO-CHEMISTRY (SDC)	1	4	5
DEPARTMENT OF ELECTRONIC SCIENCE ( 10		3	13
DEPARTMENT OF GENETICS (SDC)	4	7	11
DEPARTMENT OF MICRO-BIOLOGY (SDC)	1	4	5
DEPTT. OF PLANT MOLECULAR BIOLOGY	4	0	4
DEPTT. OF BIO-PHYSICS (SDC)	0	2	2
DEPARTMENT OF PHY. EDU.	6	2	8

Sub Total : (Inter-disciplinary)	26	22	48
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Faculty of Law

FACULTY OF LAW	6	6	12
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Sub Total : (Law)	6	6	12
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Faculty of Medicine

Faculty of Medical Sciences	2	0	2
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Sub Total : (Medicine)	2	0	2
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Faculty of Music & Fine Arts

Faculty of Music & Fine Arts	8	3	11
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Sub Total : (Music & Fine Arts)	8	3	11
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Faculty of Management Studies

Faculty of Management Studies	7	11	18
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Sub Total : (Management Stu.)	7	11	18
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Faculty of Education

Faculty of Education	11	14	25
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Sub Total : (Education)	11	14	25
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Grand Total :	375	263	638
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Ph.D ADMITED  
FOR THE YEAR 2017-2018  
UNDER OBC QUOTA

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF ARABIC	5	0	5
DEPARTMENT OF BUDDHIST STUDIES	3	2	5
DEPARTMENT OF ENGLISH	1	0	1
DEPARTMENT OF HINDI	8	1	9
DEPARTMENT OF MODERN INDIAN LANGUA	1	0	1
DEPARTMENT OF PERSIAN	0	1	1
DEPARTMENT OF PHILOSOPHY	1	1	2
DEPARTMENT OF PSYCHOLOGY	1	1	2
DEPARTMENT OF PUNJABI	1	3	4
DEPARTMENT OF SANSKRIT	3	2	5
DEPARTMENT OF URDU	4	3	7
Sub Total : (Arts)	28	14	42
Faculty of App. Social Sc. & Humanities			
DEPARTMENT OF BUSINESS ECONOMICS (	1	1	2
DEPTT.OF SLAVONIC & FINNO-UGRIAN S	1	1	2
Sub Total : (App. Social Sc.)	2	2	4
Faculty of Social Science			
DEPARTMENT OF ADULT CONT. ED. & EX	2	0	2
DEPARTMENT OF AFRICAN STUDIES	2	1	3
DEPARTMENT OF EAST ASIAN STUDIES	2	1	3
DEPARTMENT OF ECONOMICS	3	1	4
DEPARTMENT OF GEOGRAPHY	2	1	3
DEPARTMENT OF HISTORY	1	1	2
DEPARTMENT OF POLITICAL SCIENCE	4	1	5
DEPARTMENT OF SOCIAL WORK	6	2	8
Sub Total : (Social Sc.)	22	8	30

Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	0	4	4
Sub Total:(Commerce & Business)	0	4	4

Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	5	6	11
DEPARTMENT OF OPERATIONAL RESEARCH	3	2	5
DEPARTMENT OF STATISTICS	0	1	1
Sub Total : (Mathematical Sc.)	8	9	17

Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	0	4	4
DEPARTMENT OF BOTANY	1	1	2
DEPARTMENT OF CHEMISTRY	7	5	12
DEPARTMENT OF HOME SCIENCE	0	3	3
DEPARTMENT OF PHYSICS	3	1	4
DR.B.R.A. CENTRE FOR BIO-MEDICAL	1	3	4
DEPARTMENT OF ENVIRONMENTAL STUDIE	2	2	4
Sub Total : (Science)	14	19	33

Faculty of Inter-disciplinary & App. Sc.

DEPARTMENT OF BIO-CHEMISTRY (SDC)	0	2	2
DEPARTMENT OF ELECTRONIC SCIENCE (	6	2	8
DEPARTMENT OF GENETICS (SDC)	1	0	1
DEPARTMENT OF PHY. EDU.	2	1	3
Sub Total : (Inter-disciplinary)	9	5	14

Faculty of Law

FACULTY OF LAW	3	0	3
Sub Total : (Law)	3	0	3

Faculty of Medicine			
Faculty of Medical Sciences	1	0	1
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Sub Total : (Medicine)	1	0	1
	-----	-----	-----
Faculty of Music & Fine Arts			
Faculty of Music & Fine Arts	1	1	2
	-----	-----	-----
Sub Total : (Music & Fine Arts)	1	1	2
	-----	-----	-----
Faculty of Management Studies			
Faculty of Management Studies	4	4	8
	-----	-----	-----
Sub Total : (Management Stu.)	4	4	8
	-----	-----	-----
Faculty of Education			
Faculty of Education	4	1	5
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Sub Total : (Education)	4	1	5
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Grand Total :	96	67	163
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M.Phill. STUDENTS ENROLMENT  
FOR THE YEAR 2017-2018  
ONROLLS UNDER OBC QUOTA

Department	Male	Female	Total
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Faculty of Arts			
DEPARTMENT OF ARABIC	9	0	9
DEPARTMENT OF BUDDHIST STUDIES	7	2	9
DEPARTMENT OF ENGLISH	7	20	27
DEPARTMENT OF HINDI	11	4	15
DEPARTMENT OF LIBRARY & INFORMATIO	1	1	2
DEPARTMENT OF LINGUISTICS	3	1	4
DEPARTMENT OF GERMANIC & ROMANCE S	3	3	6
DEPARTMENT OF MODERN INDIAN LANGUA	3	6	9
DEPARTMENT OF PERSIAN	3	1	4
DEPARTMENT OF PHILOSOPHY	3	1	4

DEPARTMENT OF PUNJABI	4	4	8
DEPARTMENT OF SANSKRIT	10	2	12
DEPARTMENT OF URDU	18	3	21

Sub Total : (Arts)	82	48	130
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Faculty of App. Social Sc. & Humanities

DEPTT.OF SLAVONIC & FINNO-UGRIAN S	0	2	2
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Sub Total : (App. Social Sc.)	0	2	2
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Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	4	1	5
DEPARTMENT OF AFRICAN STUDIES	9	0	9
DEPARTMENT OF GEOGRAPHY	4	6	10
DEPARTMENT OF HISTORY	6	3	9
DEPARTMENT OF POLITICAL SCIENCE	8	6	14
DEPARTMENT OF SOCIAL WORK	4	3	7
DEPARTMENT OF SOCIOLOGY	6	5	11

Sub Total : (Social Sc.)	41	24	65
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Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	4	8	12
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Sub Total : (Commerce & Busin.)	4	8	12
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Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	5	5	10
DEPARTMENT OF OPERATIONAL RESEARCH	3	3	6
DEPARTMENT OF STATISTICS	3	2	5

Sub Total : (Mathematical Sc.)	11	10	21
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Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	3	5	8
DEPARTMENT OF BOTANY	2	4	6
DEPARTMENT OF GEOLOGY	9	2	11

DEPARTMENT OF ZOOLOGY	1	0	1
Sub Total : (Science)	15	11	26
Faculty of Music & Fine Arts	3	3	6
Sub Total : (Music & Fine Arts)	3	3	6
Faculty of Education	9	13	22
Sub Total : (Education)	9	13	22
Grand Total :	165	119	284

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M.Phill. STUDENTS ENROLMENT  
FOR THE YEAR 2017-2018  
ADMITTED UNDER OBC QUOTA

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF ARABIC	6	0	6
DEPARTMENT OF BUDDHIST STUDIES	5	1	6
DEPARTMENT OF ENGLISH	4	10	14
DEPARTMENT OF HINDI	6	1	7
DEPARTMENT OF LIBRARY & INFORMATIO	1	1	2
DEPARTMENT OF LINGUISTICS	2	0	2
DEPARTMENT OF GERMANIC & ROMANCE S	1	3	4
DEPARTMENT OF MODERN INDIAN LANGUA	3	2	5
DEPARTMENT OF PERSIAN	2	0	2
DEPARTMENT OF PHILOSOPHY	1	1	2
DEPARTMENT OF PUNJABI	2	2	4
DEPARTMENT OF SANSKRIT	8	0	8
DEPARTMENT OF URDU	8	2	10
Sub Total : (Arts)	49	23	72

Faculty of App. Social Sc. & Humanities

DEPTT.OF SLAVONIC & FINNO-UGRIAN S	0	2	2
Sub Total : (App. Social Sc.)	0	2	2

Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	2	1	3
DEPARTMENT OF AFRICAN STUDIES	4	0	4
DEPARTMENT OF GEOGRAPHY	0	1	1
DEPARTMENT OF HISTORY	1	3	4
DEPARTMENT OF POLITICAL SCIENCE	3	4	7
DEPARTMENT OF SOCIAL WORK	2	1	3
DEPARTMENT OF SOCIOLOGY	2	3	5
Sub Total : (Social Sc.)	14	13	27

Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	1	5	6
Sub Total : (Commerce & Busin.)	1	5	6

Faculty of Mathematical Science

DEPARTMENT OF MATHEMATICS	3	3	6
DEPARTMENT OF OPERATIONAL RESEARCH	3	1	4
DEPARTMENT OF STATISTICS	0	2	2
Sub Total : (Mathematical Sc.)	6	6	12

Faculty of Science

DEPARTMENT OF ANTHROPOLOGY	1	1	2
DEPARTMENT OF BOTANY	2	3	5
DEPARTMENT OF GEOLOGY	2	1	3
DEPARTMENT OF ZOOLOGY	0	0	0
Sub Total : (Science)	5	5	10

Faculty of Music & Fine Arts	0	3	3
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Sub Total : (Music & Fine Arts)      0                      3                      3  
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Faculty of Education                      3                      2                      5  
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Sub Total : (Education)                      3                      2                      5  
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Grand Total :                      78                      59                      137  
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Statement showing the course wise distribution  
of Under-Graduate Students (Nonformal) on rolls in  
School of Open Learning & in N.C.W.E.B  
in the Year 2017-2018

UNDER OBC QUOTA

Under-Graduate Students (Nonformal)

		I Year			II Year			III Year			Total		
S.No.	Subject	-----			-----			-----			-----		
		M	F	T	M	F	T	M	F	T	M	F	T
=====													
School of Open Learning													
1	B.A.PROGRAMME	6002	3772	9774	4158	2613	6771	4832	3191	8023	14992	9576	24568
2	B.COM.	2646	1277	3923	1829	996	2825	2040	1009	3049	6515	3282	9797
3	B.COM. (HONS)	547	297	844	328	202	530	286	164	450	1161	663	1824
4	B.A. (H) ENGLISH	254	284	538	122	173	295	96	195	291	472	652	1124
5	B.A. (H) POL.SCIENCE	1081	653	1734	713	419	1132	503	371	874	2297	1443	3740
-----													
Sub-Total :		10530	6283	16813	7150	4403	11553	7757	4930	12687	25437	15616	41053
-----													
Non-Collegiate Womens Educational Board													
6	B.A.PROGRAMME	0	777	777	0	675	675	0	450	450	0	1902	1902
7	B.COM.	0	403	403	0	488	488	0	369	369	0	1260	1260
-----													
Sub-Total :		0	1180	1180	0	1163	1163	0	819	819	0	3162	3162
-----													
Grand-Total :		10530	7463	17993	7150	5566	12716	7757	5749	13506	25437	18778	44215
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Statement showing the course wise distribution  
of Post-Graduate students (Nonformal) on rolls in  
School of Open Learning & in N.C.W.E.B.  
in the Year 2017-2018  
UNDER OBC QUOTA

Post-Graduate Students (Nonformal)

S.No.	Subject	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
School of Open Learning													
1	M.A. (HINDI)	29	33	62	30	46	76	0	0	0	59	79	138
2	M.A. (SANSKRIT)	0	4	4	0	5	5	0	0	0	0	9	9
3	M.A. (POLITICAL SCIENCE)	50	45	95	28	21	49	0	0	0	78	66	144
4	M.A. (HISTORY)	11	3	14	5	4	9	0	0	0	16	7	23
Total (M.A.):		90	85	175	63	76	139	0	0	0	153	161	314
5	M.COM	53	84	137	53	110	163	0	0	0	106	194	300
Sub-Total :		143	169	312	116	186	302	0	0	0	259	355	614
Non-Collegiate Womens Educational Board													
6	M.A. (ENGLISH)	0	26	26	0	28	28	0	0	0	0	54	54
7	M.A. (HINDI)	0	29	29	0	23	23	0	0	0	0	52	52
8	M.A. (PUNJABI)	0	1	1	0	0	0	0	0	0	0	1	1
9	M.A. (POLITICAL SCIENCE)	0	26	26	0	28	28	0	0	0	0	54	54
10	M.A. (HISTORY)	0	12	12	0	18	18	0	0	0	0	30	30
Total (M.A.):		0	94	94	0	97	97	0	0	0	0	191	191
11	M.Sc. (MATHEMATICS)	0	16	16	0	13	13	0	0	0	0	29	29
Sub-Total :		0	110	110	0	110	110	0	0	0	0	220	220
Grand-Total :		143	279	422	116	296	412	0	0	0	259	575	834

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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the course Wise distribution  
of Under-Graduate Students(Regular) on rolls  
in the Year 2017-2018  
UNDER OBC QUOTA

Under-Graduate (Regular)

S.No. Subject	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 B.A.PROGRAMME DAY	880	948	1828	746	882	1628	726	783	1509	0	0	0	0	0	0	2352	2613	4965
2 B.A.PROGRAMME EVE	613	84	697	484	53	537	467	80	547	0	0	0	0	0	0	1564	217	1781
3 B.A.(VOCATIONAL STUDIES)	120	34	154	87	33	120	88	10	98	0	0	0	0	0	0	295	77	372
4 B.Voc. (DAY)	0	12	12	0	12	12	0	0	0	0	0	0	0	0	0	0	24	24
5 B.Voc. (EVE)	17	6	23	19	4	23	0	0	0	0	0	0	0	0	0	36	10	46
6 B.A. (Hons.) DAY	1585	1935	3520	1306	1625	2931	1168	1731	2899	0	0	0	0	0	0	4059	5291	9350
7 B.A. (Hons.) EVE	392	81	473	369	65	434	359	98	457	0	0	0	0	0	0	1120	244	1364
8 B.COM. (HONS) DAY	648	583	1231	642	558	1200	604	631	1235	0	0	0	0	0	0	1894	1772	3666
9 B.COM.(HONS) EVE	100	43	143	101	34	135	126	26	152	0	0	0	0	0	0	327	103	430
10 B.COM. DAY	568	626	1194	560	565	1125	534	533	1067	0	0	0	0	0	0	1662	1724	3386
11 B.COM. EVE	445	88	533	415	70	485	355	84	439	0	0	0	0	0	0	1215	242	1457
12 B.MANAGEMENT STUDIES	70	33	103	40	33	73	46	26	72	0	0	0	0	0	0	156	92	248
13 B.MANAGEMENT STUDIES EVE	22	2	24	9	2	11	0	0	0	0	0	0	0	0	0	31	4	35
14 B.F.I.A. (B.FIN. & INVEST	19	18	37	12	5	17	10	7	17	0	0	0	0	0	0	41	30	71
15 B.M.M.M.C.(B.MASS MEDIA &	0	14	14	0	12	12	0	13	13	0	0	0	0	0	0	0	39	39
16 B.Sc PHYSICAL SCIENCES	531	108	639	437	103	540	339	101	440	0	0	0	0	0	0	1307	312	1619
17 B.Sc LIFE SCIENCES	120	211	331	120	208	328	83	185	268	0	0	0	0	0	0	323	604	927
18 B.Sc APPLIED PHYSICAL SCI	73	41	114	78	33	111	71	29	100	0	0	0	0	0	0	222	103	325
19 B.Sc APPLIED LIFE SCIENCE	6	7	13	4	2	6	4	2	6	0	0	0	0	0	0	14	11	25
20 B.Sc. (Hons.) DAY	1440	1200	2640	1338	1028	2366	1109	942	2051	0	58	58	0	0	0	3887	3228	7115
21 B.Sc. (Hons.) EVE	80	7	87	69	5	74	27	5	32	0	0	0	0	0	0	176	17	193
22 B.Sc APPLIED LIFE SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 B.SC.(G) MATH. SCIENCES	39	12	51	36	14	50	34	9	43	0	0	0	0	0	0	109	35	144
24 B.SC.(HOME SCIENCE)	0	108	108	0	93	93	0	88	88	0	0	0	0	0	0	0	289	289
25 POST BASIC B.Sc. NURSING	0	3	3	0	4	4	0	0	0	0	0	0	0	0	0	0	7	7
26 B.SC. (PHY. EDU. & HEALTH	28	2	30	23	6	29	24	4	28	0	0	0	0	0	0	75	12	87
27 B.ELEMENTARY EDUCATION	0	87	87	0	74	74	0	82	82	0	74	74	0	0	0	0	317	317
28 5 Yr INT. PROG. IN JOURNA	25	6	31	0	0	0	0	0	0	0	0	0	0	0	0	25	6	31
29 B.P.O.(B.PROSTHETICS & OR	1	6	7	3	2	5	1	3	4	5	1	6	0	0	0	10	12	22
30 B.O.T.(B.OCCUPATIONAL THE	6	10	16	3	4	7	2	8	10	5	3	8	0	0	0	16	25	41
31 B.P.T.(B.PHYSIOTHERAPY)	7	11	18	7	10	17	2	13	15	6	10	16	0	0	0	22	44	66
32 B.PHARMA	0	0	0	0	0	0	6	6	12	8	7	15	0	0	0	14	13	27
33 B.SC.(MEDICAL TECH.-RADIO	3	1	4	2	2	4	4	1	5	0	0	0	0	0	0	9	4	13
34 B.F.A. (B. FINE ART)	31	18	49	23	19	42	25	19	44	32	9	41	0	0	0	111	65	176
35 B.A.M.S.	10	6	16	7	11	18	1	10	11	9	6	15	10	8	18	37	41	78
36 B.U.M.S.	3	12	15	7	14	21	1	11	12	3	17	20	4	13	17	18	67	85

37 B.H.M.S.	5	24	29	8	24	32	11	28	39	1	7	8	1	12	13	26	95	121
38 M.B.B.S.	88	74	162	83	77	160	81	82	163	76	85	161	88	83	171	416	401	817
39 B.D.S.	7	5	12	2	4	6	7	2	9	8	1	9	2	1	3	26	13	39
40 B.E.	224	21	245	209	32	241	193	30	223	186	21	207	0	0	0	812	104	916
41 B.Tech.(IT & Math. Innov	10	1	11	11	1	12	11	1	12	10	1	11	0	0	0	42	4	46
42 Other Cert./Diploma	514	200	714	10	4	14	0	0	0	0	0	0	0	0	0	524	204	728
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Total :	8730	6688	15418	7270	5727	12997	6519	5683	12202	349	300	649	105	117	222	22973	18515	41488
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Post-Graduate (Regular)

S.No. Subject	I YR			II YR			III YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
1 B.LIB.SC.	7	8	15	0	0	0	0	0	0	7	8	15
2 M.Lib. & INFORMATION Sc.	2	7	9	0	0	0	0	0	0	2	7	9
3 M.A. (DAY)	403	454	857	288	338	626	0	0	0	691	792	1483
4 M.COM	32	62	94	33	54	87	0	0	0	65	116	181
5 MBA (BUSINESS ECONOMICS)	12	8	20	14	6	20	0	0	0	26	14	40
6 MBA (FINANCIAL MANAGEMENT)	8	1	9	8	2	10	0	0	0	16	3	19
7 MBA (HUMAN RESOURCE DEVELOPMENT)	6	11	17	10	7	17	0	0	0	16	18	34
8 MBA (INTERNATIONAL BUSINESS)	15	2	17	15	2	17	0	0	0	30	4	34
9 MCA (MASTER OF COMPUTER APPLICATIO	10	3	13	6	3	9	8	3	11	24	9	33
10 M.Sc.	195	236	431	187	218	405	0	0	0	382	454	836
11 M.Sc.(App. Sc.)	21	13	34	11	8	19	0	0	0	32	21	53
12 M.Sc.Med. Imgg. Tech. Radio.	1	1	2	0	1	1	0	0	0	1	2	3
13 M. NURSING	1	7	8	0	11	11	0	0	0	1	18	19
14 M.F.A. (M. FINE ART)	8	6	14	6	5	11	0	0	0	14	11	25
15 M.TECH (MICROWAVE ELECT.)	6	2	8	3	0	3	0	0	0	9	2	11
16 B.ED.	32	50	82	36	37	73	0	0	0	68	87	155
17 B.ED. (SPECIAL EDUCATION)	7	7	14	3	10	13	0	0	0	10	17	27
18 M.Ed.(FULL TIME)	6	10	16	2	14	16	0	0	0	8	24	32
19 B.P.ED. (B.PHY. EDUCATION)	10	3	13	8	3	11	0	0	0	18	6	24
20 M.P.ED. (MASTER OF PHY. EDUCATION)	8	3	11	10	2	12	0	0	0	18	5	23
21 LL.B.	520	104	624	391	92	483	327	102	429	1238	298	1536
22 LL.M.(TWO YEAR)	12	4	16	3	7	10	0	0	0	15	11	26
23 LL.M.(THREE YEAR)	6	3	9	3	2	5	3	0	3	12	5	17
24 M.C.L.(2 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0
25 M.B.A.(FULL TIME) 2 Yr.	46	6	52	47	7	54	0	0	0	93	13	106
26 M.B.A. EXECUTIVE 2 Yr.	35	4	39	24	6	30	0	0	0	59	10	69
27 M.B.A. EXECUTIVE (HCA) 2 Yr.	1	2	3	4	0	4	0	0	0	5	2	7

28 MDS (M. IN DENTAL SURG)	2	4	6	1	0	1	2	2	4	5	6	11
29 M.Tech. (Full Time)	0	0	0	0	0	0	0	0	0	0	0	0
30 M.Tech (Part-Time)	0	0	0	0	0	0	0	0	0	0	0	0
31 MD (Ayurvedic Unani)	2	2	4	0	0	0	0	0	0	2	2	4
32 MD (Homoeopathic Med.)	0	2	2	0	0	0	0	0	0	0	2	2
33 Ph.D Combined	375	263	638	0	0	0	0	0	0	375	263	638
34 M.PHIL	78	59	137	87	60	147	0	0	0	165	119	284
35 DM/MCH	0	0	0	0	0	0	0	0	0	0	0	0
36 MEDICAL DEGREE	54	65	119	57	34	91	60	38	98	171	137	308
37 MEDICAL DIPLOMA	1	2	3	4	0	4	0	0	0	5	2	7
38 Other Cert./Dip.	63	56	119	11	10	21	0	0	0	74	66	140
<hr/>												
Total :	1985	1470	3455	1272	939	2211	400	145	545	3657	2554	6211
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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the no. of students on rolls  
in Under-Graduate Certificate/Diploma courses in the  
University Colleges/Departments  
in the Year 2017-2018  
UNDER OBC QUOTA

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
A. DEPARTMENT										
1. Diploma										
1	DIP. IN ARABIC	36	4	40	0	0	0	36	4	40
2	DIP. IN PUNJABI	1	1	2	0	0	0	1	1	2
3	DIP. IN PERSIAN	5	1	6	0	0	0	5	1	6
4	DIP. IN SANSKRIT	5	2	7	0	0	0	5	2	7
5	DIP. IN URDU	14	9	23	0	0	0	14	9	23
6	DIP. IN PORTGUESE	2	0	2	0	0	0	2	0	2
7	DIP. IN CZECH	1	0	1	0	0	0	1	0	1
8	DIP. IN RUSSIAN	8	4	12	0	0	0	8	4	12
9	DIP. IN CROATION	1	2	3	0	0	0	1	2	3

Sub-Total (Diploma)		73	23	96	0	0	0	73	23	96
-----										
2. Advance Diploma										
-----										
10	ADVANCE DIPLOMA IN ARABIC	7	4	11	0	0	0	7	4	11
11	ADVANCE DIPLOMA IN PERSIAN	2	2	4	0	0	0	2	2	4
12	ADVANCE DIPLOMA IN URDU	11	9	20	0	0	0	11	9	20
13	ADVANCE DIPLOMA IN HUNGARIAN	0	1	1	0	0	0	0	1	1
14	ADVANCE DIPLOMA IN POLISH	1	0	1	0	0	0	1	0	1
15	ADVANCE DIPLOMA IN RUSSIAN	9	2	11	0	0	0	9	2	11
-----										
Sub-Total (Adv. Diploma)		30	18	48	0	0	0	30	18	48
-----										
3. Intensive Advance Diploma										
-----										
16	INT. ADV. DIP. IN PORTUGUESE	11	0	11	0	0	0	11	0	11
17	INT. ADV. DIP IN RUSSIAN	14	2	16	0	0	0	14	2	16
18	INT. ADV. DIP IN BULGARIAN	4	0	4	0	0	0	4	0	4
-----										
Sub-Total (Int. Course)		29	2	31	0	0	0	29	2	31
-----										
4. Certificate course										
-----										
19	CERTIFICATE IN ARABIC	50	20	70	0	0	0	50	20	70
20	CERTIFICATE IN BENGALI	1	0	1	0	0	0	1	0	1
21	CERTIFICATE IN GUJRATI	1	0	1	0	0	0	1	0	1
22	CERTIFICATE IN PUNJABI	12	4	16	0	0	0	12	4	16
23	CERTIFICATE IN PERSIAN	42	9	51	0	0	0	42	9	51
24	CERTIFICATE IN SANSKRIT	9	0	9	0	0	0	9	0	9
25	CERTIFICATE IN URDU	40	15	55	0	0	0	40	15	55
26	CERTIFICATE IN PORTGUESE	12	2	14	0	0	0	12	2	14
27	CERTIFICATE IN BULGARIAN	8	0	8	0	0	0	8	0	8
28	CERTIFICATE IN CZECH	2	3	5	0	0	0	2	3	5
29	CERTIFICATE IN HUNGARIAN	3	3	6	0	0	0	3	3	6
30	CERTIFICATE IN POLISH	7	3	10	0	0	0	7	3	10
31	CERTIFICATE IN RUSSIAN	23	5	28	0	0	0	23	5	28
32	CERTIFICATE IN CROATION	2	1	3	0	0	0	2	1	3
-----										
Sub-Total (Certificate)		212	65	277	0	0	0	241	67	308
-----										
Total (Cert./Diploma/Course)		344	108	452	0	0	0	344	108	452
-----										

B. COLLEGES

1. Diploma

1	DIP. IN FRENCH	4	6	10	0	0	0	4	6	10
2	DIP. IN GERMAN	3	3	6	0	0	0	3	3	6
3	DIP. IN SPANISH	4	1	5	0	0	0	4	1	5

Sub-Total (Diploma)

11 10 21 0 0 0 11 10 21

2. Advance Diploma

4	ADVANCE DIPLOMA IN FRENCH	2	0	2	0	0	0	2	0	2
5	ADVANCE DIPLOMA IN GERMAN	3	0	3	0	0	0	3	0	3
6	ADVANCE DIPLOMA IN TELE. & NEW	12	1	13	10	4	14	22	5	27

Sub-Total (Adv. Diploma)

17 1 18 10 4 14 27 5 32

3. Certificate course

7	CERTIFICATE IN FRENCH	36	28	64	0	0	0	36	28	64
8	CERTIFICATE IN GERMAN	41	37	78	0	0	0	41	37	78
9	CERTIFICATE IN SPANISH	55	12	67	0	0	0	55	12	67
10	CERTIFICATE IN JAPANESE	3	1	4	0	0	0	3	1	4
11	CERTIFICATE IN RUSSIAN	7	3	10	0	0	0	7	3	10

Sub-Total (Certificate)

142 81 223 0 0 0 142 81 223

Total (Cert./Diploma/Course)

170 92 262 10 4 14 180 96 276

Grand-Total (Cert./Diploma/Course)

514 200 714 10 4 14 524 204 728

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U N I V E R S I T Y   O F   D E L H I  
( P L A N N I N G   U N I T )  
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Statement showing the no. of Students on rolls  
in Post-graduate Certificate/Diploma course in the  
University Colleges/Departments  
for the year 2017-2018  
UNDER OBC QUOTA

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
-----										
A. DEPARTMENT										
1. Diploma										
-----										
1	DIP. IN PALI	2	1	3	0	0	0	2	1	3
2	DIP. IN TIBETAN	1	0	1	0	0	0	1	0	1
3	DIP. IN SANGEET SIROMANI (HINDUSTAN	0	1	1	2	3	5	2	4	6
-----										
Sub-Total (Diploma)		3	2	5	2	3	5	5	5	10
-----										
2. P.G. Intensive Diploma										
-----										
4	1 YR. PG INT. DIP. IN CHINESE	9	2	11	0	0	0	9	2	11
5	1 YR. PG INT. DIP. IN JAPANESE	11	0	11	0	0	0	11	0	11
6	1 YR. PG INT. DIP. IN KOREAN	6	4	10	0	0	0	6	4	10
-----										
Sub-Total (Int. Adv. Dip.)		26	6	32	0	0	0	26	6	32
-----										
3. Post M.A. Diploma										
-----										
7	POST M.A.DIP.IN LINGUISTICS	1	0	1	0	0	0	1	0	1
8	POST M.A.DIP.IN MASS MEDIA	4	3	7	0	0	0	4	3	7
-----										
Sub-Total (Post M.A. Diploma)		5	3	8	0	0	0	5	3	8

#### 4. P.G. Diploma

9	P.G.DIP.IN TRANSLATION (ENG-HINDI)	5	10	15	0	0	0	5	10	15
10	P.G.DIP.IN HINDI JOURNALISM	7	3	10	0	0	0	7	3	10
11	P.G.DIP. MED. SC.-OTHER INST.	1	0	1	0	0	0	1	0	1
Sub-Total (P.G. Diploma)		13	13	26	0	0	0	13	13	26

#### 5. Certificate course

12	CERTIFICATE IN TIBETAN	0	1	1	0	0	0	0	1	1
13	CERTIFICATE IN FORENSIC SCIENCE	3	4	7	0	0	0	3	4	7
Sub-Total (Certificate)		3	5	8	0	0	0	3	5	8

#### 6. P.G. Intensive Advanced Diploma

14	1 YR. PG.INT. ADV. DIP. IN JAPANESE	2	1	3	0	0	0	2	1	3
Sub-Total (Post Int. Adv. Dip.)		2	1	3	0	0	0	2	1	3
Total (Cert./Diploma/Course)		52	30	82	2	3	5	54	33	87

### B. COLLEGES

#### 1. Diploma

15	DIP. IN DIETETICS & PUB HEALTH NUT.	0	9	9	0	0	0	0	9	9
Sub-Total (Diploma)		0	9	9	0	0	0	0	9	9

#### 2. P.G. Diploma

16	P.G. DIP. IN GLOBAL BUSINESS OPERAT	8	9	17	9	7	16	17	16	33
17	P.G.DIP.IN ANAESTHESIOLOGY (D.A.)	0	0	0	1	0	1	1	0	1
18	P.G.DIP.IN RADIO-DIAGNOSIS (DMRD)	0	1	1	0	0	0	0	1	1
19	P.G.DIP.IN OBSTT.& GYNAECOLOGY (DGO	0	1	1	0	0	0	0	1	1
20	P.G.DIP.IN OPHTHALMOLOGY (D.O.)	0	0	0	2	0	2	2	0	2
21	P.G.DIP.IN PAEDIATRICS (DCH)	0	0	0	1	0	1	1	0	1
22	P.G.DIP.IN DIET.& PUB.HEALTH NUT.	0	7	7	0	0	0	0	7	7



23 P.G.DIP.IN BIO-CHEMICAL TECH.	4	1	5	0	0	0	4	1	5
Sub-Total (P.G. Diploma)	12	19	31	13	7	20	25	26	51
Total (Cert./Diploma/Course)	12	28	40	13	7	20	25	35	60
Grand-Total (Cert./Diploma/Course)	64	58	122	15	10	25	79	68	147

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Statement showing the College-wise  
and subject wise distribution of Students  
for the year 2017-2018  
UNDER OBC QUOTA

B.A.PROGRAMME

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	27	1	28	19	4	23	16	5	21	62	10	72
2	BHARATI COLLEGE (W)	0	39	39	0	44	44	0	42	42	0	125	125
3	BHIM RAO AMBEDKAR COLLEGE	59	45	104	63	19	82	61	22	83	183	86	269
4	DAULAT RAM COLLEGE (W)	0	21	21	0	44	44	0	18	18	0	83	83
5	DEEN DAYAL UPADHYAYA COLLEGE	15	11	26	29	5	34	17	4	21	61	20	81
6	DELHI COLLEGE OF ARTS & COMMERCE	27	2	29	10	1	11	17	1	18	54	4	58
7	DESHBANDHU COLLEGE	49	6	55	41	7	48	21	4	25	111	17	128
8	DYAL SINGH COLLEGE	61	9	70	38	5	43	27	15	42	126	29	155
9	GARGI COLLEGE (W)	0	30	30	0	41	41	0	35	35	0	106	106
10	HANS RAJ COLLEGE	15	1	16	11	2	13	18	0	18	44	3	47
11	HINDU COLLEGE	13	5	18	15	4	19	9	1	10	37	10	47
12	I.P. COLLEGE (W)	0	56	56	0	57	57	0	61	61	0	174	174
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	48	48	0	34	34	0	39	39	0	121	121
14	KALINDI COLLEGE (W)	0	52	52	0	24	24	0	36	36	0	112	112
15	KAMALA NEHRU COLLEGE (W)	0	31	31	0	29	29	0	24	24	0	84	84
16	KIRORI MAL COLLEGE	17	5	22	40	5	45	15	4	19	72	14	86
17	LADY SHRI RAM COLLEGE (W)	0	15	15	0	16	16	0	17	17	0	48	48
18	LAKSHMIBAI COLLEGE (W)	0	103	103	0	122	122	0	122	122	0	347	347
19	MAITREYI COLLEGE (W)	0	50	50	0	47	47	0	42	42	0	139	139
20	MIRANDA HOUSE (W)	0	45	45	0	49	49	0	59	59	0	153	153
21	MOTILAL NEHRU COLLEGE	47	4	51	50	10	60	52	5	57	149	19	168
22	P.G.D.A.V. COLLEGE	64	12	76	39	8	47	41	11	52	144	31	175
23	RAJDHANI COLLEGE	53	8	61	41	4	45	35	8	43	129	20	149
24	RAMLAL ANAND COLLEGE	20	2	22	23	1	24	11	4	15	54	7	61
25	RAMJAS COLLEGE	28	4	32	24	9	33	28	2	30	80	15	95
26	SATYAWATI COLLEGE	90	6	96	44	5	49	114	7	121	248	18	266

27	SHAHEED BHAGAT SINGH COLLEGE	20	3	23	21	1	22	16	1	17	57	5	62
28	SHIVAJI COLLEGE	37	9	46	46	5	51	39	2	41	122	16	138
29	SHYAM LAL COLLEGE	35	9	44	41	5	46	29	6	35	105	20	125
30	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	83	83	0	52	52	0	23	23	0	158	158
31	SRI AUROBINDO COLLEGE	65	16	81	54	10	64	64	7	71	183	33	216
32	SRI VENKATESWARA COLLEGE	7	31	38	1	21	22	2	17	19	10	69	79
33	SWAMI SHRADDHANAND COLLEGE	76	13	89	47	28	75	46	8	54	169	49	218
34	VIVEKANANDA COLLEGE (W)	0	30	30	0	48	48	0	47	47	0	125	125
35	ZAKIR HUSAIN DELHI COLLEGE	28	26	54	30	16	46	28	12	40	86	54	140
36	BHAGINI NIVEDITA COLLEGE (W)	0	48	48	0	47	47	0	23	23	0	118	118
37	ADITI MAHAVIDYALYA (W)	0	53	53	0	45	45	0	35	35	0	133	133
38	MAHARAJA AGARSEN CO-ED. COLLEGE	27	16	43	19	8	27	20	14	34	66	38	104

-----		Total (Day):	880	948	1828	746	882	1628	726	783	1509	2352	2613	4965
-----														

39	RAMANUJAN COLLEGE	16	6	22	21	4	25	30	11	41	67	21	88
40	DYAL SINGH COLLEGE (EVE.)	69	15	84	65	9	74	57	14	71	191	38	229
41	MOTILAL NEHRU COLLEGE (EVE.)	75	11	86	73	13	86	74	6	80	222	30	252
42	P.G.D.A.V. COLLEGE (EVE.)	50	8	58	43	9	52	45	8	53	138	25	163
43	ARYABHATTA COLLEGE	13	3	16	29	2	31	35	1	36	77	6	83
44	SATYAWATI COLLEGE (EVE.)	92	4	96	38	2	40	30	9	39	160	15	175
45	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	39	7	46	40	3	43	30	8	38	109	18	127
46	SHYAM LAL COLLEGE (EVE.)	34	4	38	42	2	44	38	6	44	114	12	126
47	SRI AUROBINDO COLLEGE (EVE.)	44	5	49	61	2	63	51	2	53	156	9	165
48	ZAKIR HUSAIN P.G. EVENING COLLEGE	181	21	202	72	7	79	77	15	92	330	43	373

-----		Total (Eve):	613	84	697	484	53	537	467	80	547	1564	217	1781
-----														

-----		Total (Day + Eve):	1493	1032	2525	1230	935	2165	1193	863	2056	3916	2830	6746
-----														

-----		Total (Regular):	1493	1032	2525	1230	935	2165	1193	863	2056	3916	2830	6746
=====														

49	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	777	777	0	675	675	0	450	450	0	1902	1902
50	SCHOOL OF OPEN LEARNING	6002	3772	9774	4158	2613	6771	4832	3191	8023	14992	9576	24568

-----		Total (Nonformal):	6002	4549	10551	4158	3288	7446	4832	3641	8473	14992	11478	26470
=====														

=====		Grand Total :	7495	5581	13076	5388	4223	9611	6025	4504	10529	18908	14308	33216
=====														

## B.A. (Hons) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ARABIC	1	3	4	5	0	5	3	0	3	9	3	12
2	APP. PSYCHOLOGY	13	27	40	28	31	59	9	30	39	50	88	138
3	BENGALI	0	0	0	0	0	0	2	0	2	2	0	2
4	ENGLISH	269	324	593	229	254	483	147	314	461	645	892	1537
5	HINDI	294	271	565	217	234	451	242	294	536	753	799	1552
6	PUNJABI	5	4	9	0	0	0	0	0	0	5	4	9
7	PERSIAN	3	1	4	2	1	3	2	1	3	7	3	10
8	PHILOSOPHY	33	59	92	26	77	103	13	64	77	72	200	272
9	PSYCHOLOGY	13	56	69	16	55	71	9	46	55	38	157	195
10	SANSKRIT	136	91	227	99	86	185	73	46	119	308	223	531
11	URDU	45	20	65	27	7	34	20	4	24	92	31	123
12	HINDI PATRAKARITA AVAM JANSANCHAR	13	26	39	16	9	25	20	3	23	49	38	87
13	JOURNALISM	5	56	61	9	22	31	10	26	36	24	104	128
14	FRENCH	4	5	9	6	0	6	4	1	5	14	6	20
15	GERMAN	9	5	14	1	2	3	2	0	2	12	7	19
16	ITALIAN	8	5	13	3	3	6	2	1	3	13	9	22
17	SPANISH	7	7	14	10	1	11	2	1	3	19	9	28
18	ECONOMICS	255	215	470	180	201	381	191	208	399	626	624	1250
19	HISTORY	320	238	558	307	207	514	290	237	527	917	682	1599
20	GEOGRAPHY	100	68	168	84	55	139	81	56	137	265	179	444
21	POL.SCIENCE	339	415	754	333	340	673	306	403	709	978	1158	2136
22	SOCIOLOGY	13	72	85	5	53	58	6	43	49	24	168	192
23	SOCIAL WORK	11	14	25	13	10	23	11	16	27	35	40	75
24	BUSINESS ECONOMICS	64	29	93	42	36	78	65	30	95	171	95	266
25	MUSIC	5	4	9	7	5	12	6	5	11	18	14	32
26	HUMANITIES AND SOCIAL SCIEN	12	1	13	10	1	11	11	0	11	33	2	35
Total:		1977	2016	3993	1675	1690	3365	1527	1829	3356	5179	5535	10714

## B.COM. (HONS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	32	19	51	16	8	24	17	16	33	65	43	108
2	ACHARYA NARENDRA DEV COLLEGE	18	6	24	22	5	27	19	8	27	59	19	78
3	BHARATI COLLEGE (W)	0	18	18	0	30	30	0	27	27	0	75	75
4	BHIM RAO AMBEDKAR COLLEGE	20	12	32	40	10	50	37	9	46	97	31	128
5	COLLEGE OF VOCATIONAL STUDIES	10	7	17	17	4	21	20	2	22	47	13	60

6	DAULAT RAM COLLEGE (W)	0	28	28	0	29	29	0	28	28	0	85	85
7	DEEN DAYAL UPADHYAYA COLLEGE	19	14	33	24	11	35	22	14	36	65	39	104
8	DELHI COLLEGE OF ARTS & COMMERCE	25	6	31	20	4	24	5	5	10	50	15	65
9	DESHBANDHU COLLEGE	10	2	12	8	6	14	5	4	9	23	12	35
10	DYAL SINGH COLLEGE	32	19	51	25	16	41	19	31	50	76	66	142
11	GARGI COLLEGE (W)	0	24	24	0	31	31	0	34	34	0	89	89
12	HANS RAJ COLLEGE	35	24	59	41	21	62	36	35	71	112	80	192
13	HINDU COLLEGE	8	10	18	11	7	18	11	5	16	30	22	52
14	I.P. COLLEGE (W)	0	22	22	0	30	30	0	27	27	0	79	79
15	JANKI DEVI MEMORIAL COLLEGE (W)	0	17	17	0	21	21	0	13	13	0	51	51
16	KALINDI COLLEGE (W)	0	7	7	0	3	3	0	7	7	0	17	17
17	KAMALA NEHRU COLLEGE (W)	0	9	9	0	15	15	0	15	15	0	39	39
18	KIRORI MAL COLLEGE	22	8	30	17	14	31	20	11	31	59	33	92
19	LADY SHRI RAM COLLEGE (W)	0	15	15	0	18	18	0	15	15	0	48	48
20	LAKSHMIBAI COLLEGE (W)	0	4	4	0	16	16	0	24	24	0	44	44
21	MAITREYI COLLEGE (W)	0	17	17	0	5	5	0	17	17	0	39	39
22	MOTILAL NEHRU COLLEGE	23	9	32	17	9	26	17	15	32	57	33	90
23	P.G.D.A.V. COLLEGE	25	15	40	35	11	46	30	13	43	90	39	129
24	RAJDHANI COLLEGE	21	7	28	40	14	54	21	15	36	82	36	118
25	RAMLAL ANAND COLLEGE	11	4	15	6	1	7	3	0	3	20	5	25
26	RAMJAS COLLEGE	17	9	26	17	9	26	18	17	35	52	35	87
27	SATYAWATI COLLEGE	35	2	37	15	1	16	41	13	54	91	16	107
28	SHAHEED BHAGAT SINGH COLLEGE	71	46	117	79	26	105	75	15	90	225	87	312
29	SHIVAJI COLLEGE	20	11	31	17	6	23	10	11	21	47	28	75
30	SHYAM LAL COLLEGE	10	12	22	25	12	37	25	6	31	60	30	90
31	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	23	23	0	15	15	0	16	16	0	54	54
32	SRI AUROBINDO COLLEGE	7	6	13	12	4	16	11	6	17	30	16	46
33	SRI RAM COLLEGE OF COMMERCE	78	86	164	98	67	165	77	78	155	253	231	484
34	SRI VENKATESWARA COLLEGE	13	22	35	6	20	26	7	22	29	26	64	90
35	VIVEKANANDA COLLEGE (W)	0	12	12	0	24	24	0	21	21	0	57	57
36	ZAKIR HUSAIN DELHI COLLEGE	4	1	5	9	4	13	21	5	26	34	10	44
37	KESHAV MAHAVIDHALAYA	53	7	60	8	7	15	23	7	30	84	21	105
38	ADITI MAHAVIDYALYA (W)	0	7	7	0	7	7	0	10	10	0	24	24
39	MAHARAJA AGARSEN CO-ED. COLLEGE	29	16	45	17	17	34	14	14	28	60	47	107
Total (Day):		648	583	1231	642	558	1200	604	631	1235	1894	1772	3666
40	RAMANUJAN COLLEGE	10	15	25	12	10	22	19	3	22	41	28	69
41	DYAL SINGH COLLEGE (EVE.)	17	4	21	23	4	27	14	3	17	54	11	65
42	MOTILAL NEHRU COLLEGE (EVE.)	10	4	14	14	3	17	13	0	13	37	7	44
43	P.G.D.A.V. COLLEGE (EVE.)	26	2	28	1	0	1	5	2	7	32	4	36
44	ARYABHATTA COLLEGE	4	4	8	11	5	16	0	0	0	15	9	24
45	SATYAWATI COLLEGE (EVE.)	15	1	16	13	4	17	14	5	19	42	10	52
46	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	7	4	11	8	2	10	7	4	11	22	10	32
47	SHYAM LAL COLLEGE (EVE.)	2	3	5	9	1	10	9	3	12	20	7	27
48	SRI AUROBINDO COLLEGE (EVE.)	1	0	1	5	5	10	9	3	12	15	8	23
49	ZAKIR HUSAIN P.G. EVENING COLLEGE	8	6	14	5	0	5	36	3	39	49	9	58

Total (Eve):	100	43	143	101	34	135	126	26	152	327	103	430
Total (Day + Eve):	748	626	1374	743	592	1335	730	657	1387	2221	1875	4096
Total (Regular):	748	626	1374	743	592	1335	730	657	1387	2221	1875	4096
50 SCHOOL OF OPEN LEARNING	547	297	844	328	202	530	286	164	450	1161	663	1824
Total (Nonformal):	547	297	844	328	202	530	286	164	450	1161	663	1824
Grand Total :	1295	923	2218	1071	794	1865	1016	821	1837	3382	2538	5920

B.COM.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	31	13	44	31	9	40	23	14	37	85	36	121
2	BHARATI COLLEGE (W)	0	20	20	0	41	41	0	41	41	0	102	102
3	BHIM RAO AMBEDKAR COLLEGE	30	19	49	22	22	44	30	17	47	82	58	140
4	DAULAT RAM COLLEGE (W)	0	20	20	0	24	24	0	22	22	0	66	66
5	DELHI COLLEGE OF ARTS & COMMERCE	50	15	65	39	4	43	24	6	30	113	25	138
6	DYAL SINGH COLLEGE	45	9	54	27	19	46	23	26	49	95	54	149
7	GARGI COLLEGE (W)	0	45	45	0	43	43	0	54	54	0	142	142
8	JANKI DEVI MEMORIAL COLLEGE (W)	0	48	48	0	33	33	0	14	14	0	95	95
9	KALINDI COLLEGE (W)	0	23	23	0	30	30	0	16	16	0	69	69
10	KAMALA NEHRU COLLEGE (W)	0	30	30	0	34	34	0	25	25	0	89	89
11	KIRORI MAL COLLEGE	17	17	34	21	11	32	18	9	27	56	37	93
12	LAKSHMIBAI COLLEGE (W)	0	39	39	0	33	33	0	46	46	0	118	118
13	MAITREYI COLLEGE (W)	0	23	23	0	27	27	0	25	25	0	75	75
14	MOTILAL NEHRU COLLEGE	41	13	54	26	13	39	62	18	80	129	44	173
15	P.G.D.A.V. COLLEGE	47	28	75	60	20	80	45	17	62	152	65	217
16	RAMLAL ANAND COLLEGE	29	4	33	20	4	24	1	0	1	50	8	58
17	RAMJAS COLLEGE	8	12	20	15	9	24	33	14	47	56	35	91
18	SATYAWATI COLLEGE	8	10	18	23	5	28	30	13	43	61	28	89
19	SHAHEED BHAGAT SINGH COLLEGE	17	27	44	39	7	46	33	5	38	89	39	128
20	SHIVAJI COLLEGE	46	13	59	22	3	25	18	5	23	86	21	107
21	SHYAM LAL COLLEGE	23	15	38	27	8	35	26	12	38	76	35	111
22	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	58	58	0	25	25	0	28	28	0	111	111
23	SRI AUROBINDO COLLEGE	61	25	86	78	16	94	61	10	71	200	51	251
24	SRI VENKATESWARA COLLEGE	8	16	24	5	20	25	16	7	23	29	43	72
25	SWAMI SHRADDHANAND COLLEGE	100	16	116	89	42	131	72	21	93	261	79	340
26	VIVEKANANDA COLLEGE (W)	0	20	20	0	44	44	0	29	29	0	93	93
27	ZAKIR HUSAIN DELHI COLLEGE	7	4	11	16	4	20	19	1	20	42	9	51
28	BHAGINI NIVEDITA COLLEGE (W)	0	24	24	0	9	9	0	21	21	0	54	54
29	ADITI MAHAVIDYALYA (W)	0	20	20	0	6	6	0	17	17	0	43	43

Total (Day):		568	626	1194	560	565	1125	534	533	1067	1662	1724	3386
30	RAMANUJAN COLLEGE	39	18	57	37	10	47	49	10	59	125	38	163
31	DYAL SINGH COLLEGE (EVE.)	58	14	72	76	3	79	28	8	36	162	25	187
32	MOTILAL NEHRU COLLEGE (EVE.)	34	3	37	26	3	29	17	4	21	77	10	87
33	P.G.D.A.V. COLLEGE (EVE.)	91	9	100	21	9	30	16	3	19	128	21	149
34	ARYABHATTA COLLEGE	9	3	12	23	8	31	27	10	37	59	21	80
35	SATYAWATI COLLEGE (EVE.)	40	5	45	43	4	47	31	12	43	114	21	135
36	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	80	21	101	83	12	95	67	18	85	230	51	281
37	SHYAM LAL COLLEGE (EVE.)	33	8	41	41	6	47	34	8	42	108	22	130
38	SRI AUROBINDO COLLEGE (EVE.)	26	2	28	44	12	56	51	8	59	121	22	143
39	ZAKIR HUSAIN P.G. EVENING COLLEGE	35	5	40	21	3	24	35	3	38	91	11	102
Total (Eve):		445	88	533	415	70	485	355	84	439	1215	242	1457
Total (Day + Eve):		1013	714	1727	975	635	1610	889	617	1506	2877	1966	4843
Total (Regular):		1013	714	1727	975	635	1610	889	617	1506	2877	1966	4843
40	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	403	403	0	488	488	0	369	369	0	1260	1260
41	SCHOOL OF OPEN LEARNING	2646	1277	3923	1829	996	2825	2040	1009	3049	6515	3282	9797
Total (Nonformal):		2646	1680	4326	1829	1484	3313	2040	1378	3418	6515	4542	11057
Grand Total :		3659	2394	6053	2804	2119	4923	2929	1995	4924	9392	6508	15900

#### B.Sc. (Hons) Subject-wise

S.No.	Subject/Course	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	MATHEMATICS	373	290	663	361	258	619	292	240	532	0	0	0	0	0	0	1026	788	1814
2	STATISTICS	55	34	89	61	26	87	30	17	47	0	0	0	0	0	0	146	77	223
3	COMPUTER SCIENCE	200	71	271	154	70	224	157	82	239	0	0	0	0	0	0	511	223	734
4	ANTHROPOLOGY	5	4	9	4	3	7	7	1	8	0	0	0	0	0	0	16	8	24
5	BOTANY	75	124	199	56	110	166	41	99	140	0	0	0	0	0	0	172	333	505
6	CHEMISTRY	211	134	345	212	121	333	150	97	247	0	0	0	0	0	0	573	352	925
7	GEOLOGY	18	5	23	18	5	23	15	4	19	0	0	0	0	0	0	51	14	65
8	HOME SCIENCE	0	66	66	0	47	47	0	49	49	0	0	0	0	0	0	0	162	162
9	NURSING	0	43	43	0	31	31	0	50	50	0	58	58	0	0	0	0	182	182
10	PHYSICS	270	126	396	319	123	442	250	107	357	0	0	0	0	0	0	839	356	1195

11	ZOOLOGY	87	151	238	63	119	182	45	84	129	0	0	0	0	0	0	195	354	549
12	POLYMER SC.	16	0	16	13	2	15	11	1	12	0	0	0	0	0	0	40	3	43
13	BIO-CHEMISTRY	18	31	49	15	23	38	10	27	37	0	0	0	0	0	0	43	81	124
14	ELECTRONICS	113	24	137	91	22	113	77	28	105	0	0	0	0	0	0	281	74	355
15	MICRO-BIOLOGY	30	38	68	9	26	35	14	22	36	0	0	0	0	0	0	53	86	139
16	BIO-MEDICAL SCIENCES	17	18	35	6	19	25	8	17	25	0	0	0	0	0	0	31	54	85
17	BIOLOGICAL SCIENCE	8	6	14	5	3	8	8	2	10	0	0	0	0	0	0	21	11	32
18	FOOD TECHNOLOGY	12	34	46	10	15	25	6	16	22	0	0	0	0	0	0	28	65	93
19	INSTRUMENTATION	12	8	20	10	10	20	15	4	19	0	0	0	0	0	0	37	22	59

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Total : 1520 1207 2727 1407 1033 2440 1136 947 2083 0 58 58 0 0 0 0 4063 3245 7308  
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M.B.B.S.

		I YR			II YR			III YR			IV YR			V YR			Total		
S.No.	College	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	LADY HARDINGE MED. COLLEGE (W	0	54	54	0	52	52	0	52	52	0	53	53	0	49	49	0	260	260
2	MAULANA AZAD MEDICAL COLLEGE	51	16	67	47	20	67	44	24	68	42	23	65	38	29	67	222	112	334
3	U.C.M.S. & G.T.B. HOSPITAL	37	4	41	36	5	41	37	6	43	34	9	43	50	5	55	194	29	223
Total (Day):		88	74	162	83	77	160	81	82	163	76	85	161	88	83	171	416	401	817
Total (Day+Eve):		88	74	162	83	77	160	81	82	163	76	85	161	88	83	171	416	401	817
Total (GRAND TOTAL):		88	74	162	83	77	160	81	82	163	76	85	161	88	83	171	416	401	817

M.A. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	APPLIED PSYCHOLOGY)	0	8	8	1	5	6	0	0	0	1	13	14
2	ARABIC)	6	0	6	5	0	5	0	0	0	11	0	11
3	BENGALI)	2	0	2	0	0	0	0	0	0	2	0	2
4	BUDDHIST STUDIES)	36	5	41	15	2	17	0	0	0	51	7	58
5	ENGLISH)	24	50	74	22	69	91	0	0	0	46	119	165
6	FRENCH)	2	3	5	1	0	1	0	0	0	3	3	6
7	GERMAN)	3	3	6	0	1	1	0	0	0	3	4	7
8	HINDI)	42	65	107	47	51	98	0	0	0	89	116	205
9	LINGUISTICS)	4	8	12	1	7	8	0	0	0	5	15	20
10	PERSIAN)	2	1	3	0	0	0	0	0	0	2	1	3
11	PHILOSOPHY)	13	34	47	20	21	41	0	0	0	33	55	88

12	PSYCHOLOGY)	2	27	29	6	18	24	0	0	0	8	45	53
13	PUNJABI)	0	5	5	0	0	0	0	0	0	0	5	5
14	SANSKRIT)	34	52	86	14	30	44	0	0	0	48	82	130
15	HISPANIC)	3	1	4	2	0	2	0	0	0	5	1	6
16	TAMIL)	1	0	1	0	1	1	0	0	0	1	1	2
17	URDU)	12	8	20	5	2	7	0	0	0	17	10	27
18	COMPARATIVE INDIAN LITERATURE)	4	2	6	2	4	6	0	0	0	6	6	12
19	ITALIAN)	1	1	2	0	0	0	0	0	0	1	1	2
20	ECONOMICS)	28	35	63	10	25	35	0	0	0	38	60	98
21	GEOGRAPHY)	14	5	19	19	7	26	0	0	0	33	12	45
22	HISTORY)	40	40	80	34	26	60	0	0	0	74	66	140
23	POLITICAL SCIENCE)	71	67	138	46	48	94	0	0	0	117	115	232
24	SOCIAL WORK)	16	7	23	13	7	20	0	0	0	29	14	43
25	SOCIOLOGY)	10	10	20	3	7	10	0	0	0	13	17	30
26	JAPANESE)	1	0	1	0	0	0	0	0	0	1	0	1
27	EAST ASIAN STUDIES)	12	1	13	4	0	4	0	0	0	16	1	17
28	LIFE LONG LARNING & EXTN.)	8	1	9	5	1	6	0	0	0	13	2	15
29	MATHEMATICS)	0	5	5	0	1	1	0	0	0	0	6	6
30	OPER.RESEARCH)	0	2	2	0	2	2	0	0	0	0	4	4
31	ENVIRONMENTAL STUDIES	6	1	7	4	2	6	0	0	0	10	3	13
32	MUSIC)	3	6	9	6	0	6	0	0	0	9	6	15
33	RUSSIAN)	3	1	4	3	1	4	0	0	0	6	2	8

Total:	403	454	857	288	338	626	0	0	0	691	792	1483
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M.COM

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	1	5	6	1	4	5	0	0	0	2	9	11
2	DESHBANDHU COLLEGE	1	2	3	2	2	4	0	0	0	3	4	7
3	HANS RAJ COLLEGE	3	6	9	2	6	8	0	0	0	5	12	17
4	HINDU COLLEGE	2	3	5	0	4	4	0	0	0	2	7	9
5	JANKI DEVI MEMORIAL COLLEGE (W)	0	6	6	0	5	5	0	0	0	0	11	11
6	MOTILAL NEHRU COLLEGE	3	3	6	3	5	8	0	0	0	6	8	14
7	P.G.D.A.V. COLLEGE	1	2	3	1	2	3	0	0	0	2	4	6
8	RAJDHANI COLLEGE	2	1	3	2	2	4	0	0	0	4	3	7
9	RAMJAS COLLEGE	5	1	6	1	3	4	0	0	0	6	4	10
10	SHAHEED BHAGAT SINGH COLLEGE	4	2	6	2	2	4	0	0	0	6	4	10
11	SRI RAM COLLEGE OF COMMERCE	2	9	11	3	6	9	0	0	0	5	15	20
12	ZAKIR HUSAIN DELHI COLLEGE	0	5	5	3	1	4	0	0	0	3	6	9
Total (Day):		24	45	69	20	42	62	0	0	0	44	87	131



Total (Day + Eve) :		24	45	69	20	42	62	0	0	0	44	87	131
<hr/>													
13	DEPARTMENT OF COMMERCE	8	17	25	13	12	25	0	0	0	21	29	50
<hr/>													
Total (Deptt) Day:		8	17	25	13	12	25	0	0	0	21	29	50
<hr/>													
Total (Deptt.) D+E:		8	17	25	13	12	25	0	0	0	21	29	50
<hr/>													
Total (Regular) :		32	62	94	33	54	87	0	0	0	65	116	181
<hr/>													
14	SCHOOL OF OPEN LEARNING	53	84	137	53	110	163	0	0	0	106	194	300
<hr/>													
Total (Nonformal) :		53	84	137	53	110	163	0	0	0	106	194	300
<hr/>													
Grand Total :		85	146	231	86	164	250	0	0	0	171	310	481
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M.Sc. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NT. M.Sc. EARTH SC.(PG)	4	1	5	0	0	0	0	0	0	4	1	5
2	MATHEMATICS EDUCATION	3	0	3	4	2	6	0	0	0	7	2	9
3	MATHEMATICS)	33	42	75	52	37	89	0	0	0	85	79	164
4	STATISTICS)	14	11	25	11	11	22	0	0	0	25	22	47
5	OPER.RESEARCH)	17	6	23	12	8	20	0	0	0	29	14	43
6	APPLIED OPERATIONAL RESEARCH	7	5	12	9	3	12	0	0	0	16	8	24
7	COMPUTER SCIENCE)	7	5	12	4	3	7	0	0	0	11	8	19
8	ANTHROPOLOGY)	2	6	8	5	4	9	0	0	0	7	10	17
9	BOTANY)	4	16	20	4	15	19	0	0	0	8	31	39
10	CHEMISTRY)	26	49	75	24	49	73	0	0	0	50	98	148
11	GEOLOGY)	9	3	12	8	1	9	0	0	0	17	4	21
12	PHYSICS)	47	26	73	38	24	62	0	0	0	85	50	135
13	ZOOLOGY)	6	19	25	6	13	19	0	0	0	12	32	44
14	HOME SCIENCE)	0	30	30	0	34	34	0	0	0	0	64	64
15	BIO-MEDICAL RESEARCH	5	7	12	3	8	11	0	0	0	8	15	23
16	ENVIRONMENTAL STUDIES)	6	4	10	2	3	5	0	0	0	8	7	15
17	(FORENSIC SCIENCE)	5	6	11	5	3	8	0	0	0	10	9	19
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Total:		195	236	431	187	218	405	0	0	0	382	454	836
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M.Sc. (Applied Sc.) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	BIO-CHEMISTRY)	2	1	3	1	2	3	0	0	0	3	3	6
2	ELECTRONICS)	7	1	8	4	1	5	0	0	0	11	2	13
3	GENETICS)	2	1	3	0	3	3	0	0	0	2	4	6
4	MICRO-BIOLOGY)	0	2	2	0	1	1	0	0	0	0	3	3
5	PLANT MOLE. BIO. & BIO-TECH.	0	3	3	1	1	2	0	0	0	1	4	5
6	INFORMATICS & COMMUNICATION)	10	5	15	5	0	5	0	0	0	15	5	20
Total:		21	13	34	11	8	19	0	0	0	32	21	53

P.G. Degree in Medical Science (College-Wise) and Other Institute

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	LADY HARDINGE MED. COLLEGE (W)	9	20	29	12	13	25	20	14	34	41	47	88
2	MAULANA AZAD MEDICAL COLLEGE	23	25	48	22	11	33	24	13	37	69	49	118
3	U.C.M.S. & G.T.B. HOSPITAL	20	17	37	21	10	31	16	11	27	57	38	95
4	AMAR JYOTI INSTT. OF PHYSIOTHERAPH	0	0	0	1	0	1	0	0	0	1	0	1
5	Other Institute	2	3	5	1	0	1	0	0	0	3	3	6
Total (Day):		54	65	119	57	34	91	60	38	98	171	137	308
Total (Regular):		0	0	0	0	0	0	0	0	0	0	0	0
Grand Total:		0	0	0	0	0	0	0	0	0	0	0	0

P.G. Diploma (Medical Science) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ANAESTHESIOLOGY (D.A.)	0	0	0	1	0	1	0	0	0	1	0	1
2	RADIO-DIAGNOSIS (DMRD)	0	1	1	0	0	0	0	0	0	0	1	1
3	OBSTT.& GYNAECOLOGY (DGO)	0	1	1	0	0	0	0	0	0	0	1	1
4	OPHTHALMOLOGY (D.O.)	0	0	0	2	0	2	0	0	0	2	0	2
5	PAEDIATRICS (DCH)	0	0	0	1	0	1	0	0	0	1	0	1

6	D. SC.-OTHER INST.	1	0	1	0	0	0	0	0	0	1	0	1
		<hr/>											
	Total°	1	2	3	4	0	4	0	0	0	5	2	7

FACULTY OF MEDICAL SCEINCES

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.D.S.	7	5	12	2	4	6	7	2	9	8	1	9	2	1	3	26	13	39
2	M.B.B.S.	88	74	162	83	77	160	81	82	163	76	85	161	88	83	171	416	401	817
3	B.SC. (MEDICAL TECH.-RADI	3	1	4	2	2	4	4	1	5	0	0	0	0	0	0	9	4	13
4	M.D. (ANAESTHESIOLOGY)	10	6	16	6	3	9	7	3	10	0	0	0	0	0	0	23	12	35
5	M.D. (COMMUNITY MEDICINE	3	1	4	2	1	3	1	0	1	0	0	0	0	0	0	6	2	8
6	M.D. (DERMATOLOGY & VENE	1	2	3	2	2	4	0	2	2	0	0	0	0	0	0	3	6	9
7	M.D. (FORENSIC MEDICINE)	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	3	0	3
8	M.D. (BIO-CHEMISTRY)	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
9	M.D. (GENERAL MEDICINE)	10	5	15	11	3	14	10	3	13	0	0	0	0	0	0	31	11	42
10	M.D. (MICROBIOLOGY)	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
11	M.D. (OBSTT. & GYNAE)	0	14	14	0	9	9	1	12	13	0	0	0	0	0	0	1	35	36
12	M.D. (PAEDIATRICS)	3	12	15	5	7	12	10	4	14	0	0	0	0	0	0	18	23	41
13	M.D. (PATHOLOGY)	1	3	4	0	4	4	0	4	4	0	0	0	0	0	0	1	11	12
14	M.D. (PHARMACOLOGY)	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
15	M.D. (PSYCHIATRY)	0	1	1	0	0	0	1	1	2	0	0	0	0	0	0	1	2	3
16	M.D. (RADIO-DIAGNOSIS)	5	6	11	5	1	6	3	2	5	0	0	0	0	0	0	13	9	22
17	MDS (M. IN DENTAL SURG)	2	4	6	1	0	1	2	2	4	0	0	0	0	0	0	5	6	11
18	M.S. (E.N.T.) OTORHINO	0	3	3	3	0	3	3	2	5	0	0	0	0	0	0	6	5	11
19	M.S. (OPHTHALMOLOGY)	1	4	5	3	3	6	2	1	3	0	0	0	0	0	0	6	8	14
20	M.S. (ORTHOPAEDICS)	7	0	7	6	0	6	7	0	7	0	0	0	0	0	0	20	0	20
21	M.S. (GENERAL SURGERY)	11	2	13	11	1	12	10	2	12	0	0	0	0	0	0	32	5	37
22	M.S. (DENTISTRY)	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
23	M.SC. (MED. IMAGING TECH	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0	1	2	3
24	P.G.DEG. MED. SC.-OTHER	2	3	5	1	0	1	0	0	0	0	0	0	0	0	0	3	3	6
25	P.G.DIP.IN ANAESTHESIOLO	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
26	P.G.DIP.IN RADIO-DIAGNOS	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
27	P.G.DIP.IN OBSTT. & GYNAE	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
28	P.G.DIP.IN OPHTHALMOLOGY	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2
29	P.G.DIP.IN PAEDIATRICS (	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
30	P.G.DIP. MED. SC.-OTHER	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
31	Ph.D.	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Total :		158	152	310	148	118	266	154	125	279	84	86	170	90	84	174	634	565	1199

## FACULTY OF TECHNOLOGY

S.No. Subject	I YR			II YR			III YR			IV YR			V YR			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1 B.E. (COMPTUER ENGG.)	46	4	50	37	12	49	47	6	53	43	7	50	0	0	0	173	29	202
2 B.E. (ELECTRONICS & COMM	44	5	49	40	8	48	40	9	49	48	4	52	0	0	0	172	26	198
3 B.E. (INSTRUM. & CONTROL	47	4	51	47	4	51	41	5	46	42	5	47	0	0	0	177	18	195
4 B.E. (MECHANICAL ENGG.)	18	1	19	16	0	16	15	1	16	0	0	0	0	0	0	49	2	51
5 B.E. BIO-TECHNOLOGY	10	1	11	12	1	13	7	2	9	7	1	8	0	0	0	36	5	41
6 B.E. (INFORMATION TECHNO	28	3	31	26	6	32	20	5	25	22	3	25	0	0	0	96	17	113
7 B.E. (MANUFACT PROCESS &	31	3	34	31	1	32	23	2	25	24	1	25	0	0	0	109	7	116
Total :	224	21	245	209	32	241	193	30	223	186	21	207	0	0	0	812	104	916

**STUDENTS ENROLMENT DATA**  
**UNDER PRESONS WITH DISABLITY QUOTA**  
**2017-2018**

Number of Post-Graduate & Under-Graduate Students  
on rolls in the Faculty/Department and Colleges of the University  
For the Year 2017-2018  
UNDER PERSON WITH DISABILITY QUOTA

UNIVERSITY COLLEGES

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
1.	A. & U. TIBBIA COLLEGE	3	1	4	0	0	0	4
2.	A.R.S.D. COLLEGE	12	0	12	4	0	4	16
3.	ACHARYA NARENDRA DEV COLLEGE	21	1	22	1	0	1	23
4.	BHARATI COLLEGE (W)	0	12	12	0	7	7	19
5.	BHIM RAO AMBEDKAR COLLEGE	41	7	48	0	0	0	48
6.	SHAHEED RAJ GURU COLL. OF APP.SCS. (W)	0	1	1	0	0	0	1
7.	COLLEGE OF ART	13	15	28	2	7	9	37
8.	SHAHEED SUKHDEV COLL.OF BUSINESS STUDIES	20	4	24	0	0	0	24
9.	DELHI INSTT. OF PHARMA. SC. & RESEARCH	1	0	1	0	0	0	1
10.	COLLEGE OF VOCATIONAL STUDIES	8	0	8	0	0	0	8
11.	DAULAT RAM COLLEGE (W)	0	340	340	0	10	10	350
12.	DEEN DAYAL UPADHYAYA COLLEGE	32	6	38	0	0	0	38
13.	DELHI COLLEGE OF ARTS & COMMERCE	12	0	12	0	0	0	12
14.	NETAJI SUBHAS INSTITUTE OF TECHNOLOGY	36	8	44	1	1	2	46
15.	DESHBANDHU COLLEGE	5	2	7	3	1	4	11
16.	DYAL SINGH COLLEGE	68	10	78	0	1	1	79
17.	GARGI COLLEGE (W)	0	20	20	0	2	2	22
18.	HANS RAJ COLLEGE	42	8	50	20	6	26	76
19.	HINDU COLLEGE	53	12	65	0	0	0	65
20.	I.P. COLLEGE (W)	0	48	48	0	9	9	57
21.	INSTITUTE OF HOME ECONOMICS (W)	0	6	6	0	0	0	6
22.	JANKI DEVI MEMORIAL COLLEGE (W)	0	17	17	0	3	3	20
23.	JESUS & MARY COLLEGE (W)	0	10	10	0	2	2	12
24.	KALINDI COLLEGE (W)	0	4	4	0	3	3	7
25.	KAMALA NEHRU COLLEGE (W)	0	9	9	0	1	1	10
26.	KIRORI MAL COLLEGE	58	7	65	24	6	30	95
27.	LADY HARDINGE MED. COLLEGE (W)	0	6	6	1	0	1	7
28.	LADY IRWIN COLLEGE (W)	0	5	5	0	4	4	9
29.	LADY SHRI RAM COLLEGE (W)	0	55	55	0	3	3	58
30.	LAKSHMIBAI COLLEGE (W)	0	28	28	0	0	0	28
31.	MAITREYI COLLEGE (W)	0	7	7	0	1	1	8
32.	MATA SUNDRI COLLEGE (W)	0	21	21	0	1	1	22
33.	MAULANA AZAD MEDICAL COLLEGE	15	7	22	3	1	4	26
34.	MIRANDA HOUSE (W)	0	52	52	0	17	17	69

35. MOTILAL NEHRU COLLEGE	6	1	7	3	0	3	10
36. P.G.D.A.V. COLLEGE	61	4	65	2	1	3	68
37. R.A.K. COLLEGE OF NURSING (W)	0	1	1	0	2	2	3
38. RAJDHANI COLLEGE	30	6	36	1	0	1	37
39. RAMLAL ANAND COLLEGE	3	0	3	0	0	0	3
40. RAMJAS COLLEGE	63	10	73	19	1	20	93
41. S.G.T.B. KHALSA COLLEGE	86	11	97	13	7	20	117
42. SATYAWATI COLLEGE	81	12	93	1	0	1	94
43. SHAHEED BHAGAT SINGH COLLEGE	65	10	75	1	1	2	77
44. SHIVAJI COLLEGE	39	4	43	2	1	3	46
45. SHYAM LAL COLLEGE	14	3	17	5	0	5	22
46. SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	17	17	0	8	8	25
47. SRI AUROBINDO COLLEGE	20	1	21	1	0	1	22
48. SRI G.G.S. COLLEGE OF COMMERCE	18	5	23	0	0	0	23
49. SRI RAM COLLEGE OF COMMERCE	44	17	61	4	4	8	69
50. SRI VENKATESWARA COLLEGE	11	26	37	0	1	1	38
51. ST. STEPHEN'S COLLEGE	26	14	40	2	0	2	42
52. SWAMI SHRADDHANAND COLLEGE	5	3	8	1	0	1	9
53. U.C.M.S. & G.T.B. HOSPITAL	5	0	5	1	2	3	8
54. VIVEKANANDA COLLEGE (W)	0	31	31	0	4	4	35
55. ZAKIR HUSAIN DELHI COLLEGE	20	3	23	1	0	1	24
56. BHAGINI NIVEDITA COLLEGE (W)	0	1	1	0	0	0	1
57. KESHAV MAHAVIDYALAYA	6	1	7	0	0	0	7
58. ADITI MAHAVIDYALAYA (W)	0	8	8	0	0	0	8
59. MAHARAJA AGARSEN CO-ED. COLLEGE	7	1	8	0	0	0	8
60. M.V. COLLEGE OF EDUCATION	0	0	0	6	2	8	8
61. SHRI GURU NANAK DEV KHALSA COLLEGE	18	5	23	2	0	2	25

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Total (Day) :	1068	924	1992	124	120	244	2236
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62. AHILYA BAI COLLEGE OF NURSING	0	1	1	0	0	0	1
63. DURGA BAI DESHMUKH COLLEGE	0	0	0	2	0	2	2

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Total (Other Inst) :	0	1	1	2	0	2	3
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64. RAMANUJAN COLLEGE	6	2	8	0	0	0	8
65. DYAL SINGH COLLEGE (EVE.)	33	2	35	0	0	0	35
66. MOTILAL NEHRU COLLEGE (EVE.)	7	2	9	0	0	0	9
67. P.G.D.A.V. COLLEGE (EVE.)	4	0	4	0	0	0	4
68. ARYABHATTA COLLEGE	4	0	4	0	0	0	4
69. SATYAWATI COLLEGE (EVE.)	38	5	43	0	0	0	43
70. SHAHEED BHAGAT SINGH COLLEGE (EVE.)	20	8	28	0	0	0	28
71. SHYAM LAL COLLEGE (EVE.)	4	1	5	0	0	0	5
72. SRI AUROBINDO COLLEGE (EVE.)	1	0	1	0	0	0	1

73. ZAKIR HUSAIN P.G. EVENING COLLEGE	5	0	5	0	0	0	5
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Total (Eve) :	122	20	142	0	0	0	142
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Total (College):	1190	945	2135	126	120	246	2381
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UNIVERSITY FACULTY/DEPARTMENT/RECOGNISED INSTITUTIONS

S.No.	Faculty/Department	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
74.	DEPARTMENT OF ARABIC	1	1	2	0	0	0	2
75.	DEPARTMENT OF BUDDHIST STUDIES	0	0	0	8	0	8	8
76.	DEPARTMENT OF ENGLISH	0	0	0	3	2	5	5
77.	DEPARTMENT OF HINDI	0	0	0	5	1	6	6
78.	DEPARTMENT OF LIBRARY & INFORMATION SC.	0	0	0	3	2	5	5
79.	DEPARTMENT OF LINGUISTICS	0	0	0	1	0	1	1
80.	DEPARTMENT OF GERMANIC & ROMANCE STUDIES	1	1	2	0	0	0	2
81.	DEPARTMENT OF MODERN INDIAN LANGUAGE	1	0	1	3	2	5	6
82.	DEPARTMENT OF PHILOSOPHY	0	0	0	1	0	1	1
83.	DEPARTMENT OF PSYCHOLOGY (SDC)	0	0	0	1	1	2	2
84.	DEPARTMENT OF PUNJABI	3	0	3	1	0	1	4
85.	DEPARTMENT OF SANSKRIT	0	0	0	5	2	7	7
86.	DEPARTMENT OF URDU	5	0	5	5	0	5	10
87.	DEPARTMENT OF BUSINESS ECONOMICS (SDC)	0	0	0	2	1	3	3
88.	DEPTT.OF SLAVONIC & FINNO-UGRIAN STUDIES	3	1	4	0	0	0	4
89.	DEPARTMENT OF ADULT CONT. ED. & EXTN.	0	0	0	2	0	2	2
90.	DEPARTMENT OF EAST ASIAN STUDIES	0	0	0	2	1	3	3
91.	DELHI SCHOOL OF JOURNALISM	1	0	1	0	0	0	1
92.	DEPARTMENT OF ECONOMICS	0	0	0	2	2	4	4
93.	DEPARTMENT OF GEOGRAPHY	0	0	0	2	1	3	3
94.	DEPARTMENT OF HISTORY	0	0	0	4	1	5	5
95.	DEPARTMENT OF POLITICAL SCIENCE	0	0	0	4	1	5	5
96.	DEPARTMENT OF SOCIAL WORK	0	0	0	4	0	4	4
97.	DEPARTMENT OF SOCIOLOGY	0	0	0	5	1	6	6
98.	CLUSTER INNOVATION CENTRE (CIC)	7	0	7	0	0	0	7
99.	DEPARTMENT OF COMPUTER SCIENCE	0	0	0	4	0	4	4
100.	DEPARTMENT OF STATISTICS	0	0	0	0	1	1	1
101.	DEPARTMENT OF ANTHROPOLOGY	0	0	0	1	0	1	1
102.	DEPARTMENT OF PHYSICS	0	0	0	1	0	1	1
103.	DR.B.R.A. CENTRE FOR BIO-MEDICAL (ACBR)	0	0	0	2	0	2	2
104.	DEPARTMENT OF ENVIRONMENTAL STUDIES	0	0	0	1	0	1	1
105.	DEPARTMENT OF ELECTRONIC SCIENCE (SDC)	0	0	0	1	0	1	1



106. DEPARTMENT OF MICRO-BIOLOGY (SDC)	0	0	0	0	1	1	1
107. CAMPUS LAW CENTRE	0	0	0	55	7	62	62
108. LAW CENTRE - I	0	0	0	49	13	62	62
109. LAW CENTRE - II	0	0	0	24	12	36	36
110. FACULTY OF LAW	0	0	0	6	2	8	8
111. Faculty of Music & Fine Arts	0	0	0	4	1	5	5
112. Faculty of Management Studies	0	0	0	19	7	26	26
113. Faculty of Education	0	0	0	15	5	20	20
114. DEPARTMENT OF COMMERCE	0	0	0	11	8	19	19
115. DEPARTMENT OF FINANCIAL STUDIES	0	0	0	1	1	2	2
Total (Fac./Deptt./Centre):	22	3	25	257	76	333	358

Total (Regular) :	1212	948	2160	383	196	579	2739
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#### UNIVERSITY NON-FORMAL CELL

S.No.	College	Under-Graduate			Post-Graduate			Grand Total
		Male	Female	Total	Male	Female	Total	
117. NON-COLLEGIATE WOMEN'S EDU. BOARD		0	39	39	0	8	8	47
118. SCHOOL OF OPEN LEARNING		743	356	1099	45	26	71	1170
Total (Non-Formal):		743	395	1138	45	34	79	1217
Grand Total :		1955	1343	3298	428	230	658	3956

Statement showing the Faculty-wise  
distribution of Students  
for the year 2017-2018

#### UNDER PERSON WITH DISABILITY QUOTA UNDER-GRADUATE

Name of Faculty	REGULAR			NON-FORMAL		Total
	Day	Eve.& Part Time	Cert./Diploma	N.C.W.E.B.	S.O.L.	

	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
1. Arts	388	383	66	5	12	1	0	25	634	323	0	0	1837
2. Ayur. & Unani-Medicine	3	1	0	0	0	0	0	0	0	0	0	0	4
3. Homoeopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
4. Inter-Disciplinary	10	9	0	0	0	0	0	0	0	0	0	0	19
5. Mathematical Sc.	64	39	1	0	0	0	0	0	0	0	0	0	104
6. Medical Sc.	20	13	0	0	0	0	0	0	0	0	0	0	33
7. Music & Fine Arts	6	21	0	0	9	4	0	0	0	0	0	0	40
8. Science	85	122	2	0	0	0	0	0	0	0	0	0	209
9. Social Science	201	166	33	5	1	0	0	0	46	15	0	0	467
10. App.Soc.Sc.& Humanities	23	6	0	0	3	1	0	0	0	0	0	0	33
11. Commerce & Business	220	121	22	10	0	0	0	14	63	18	0	0	468
12. Technology	36	8	0	0	0	0	0	0	0	0	0	0	44
13. Education	0	33	0	0	0	0	0	0	0	0	0	0	33
14. Centres	7	0	0	0	0	0	0	0	0	0	0	0	7
Grand Total (U.G.)	1063	922	124	20	25	6	0	39	743	356	0	0	3298

#### POST-GRADUATE

Name of Faculty	Non-Formal												Total
	Regular (Day)		Regular (Eve.) & Part-Time		Cert./Diploma		N.C.W.E.B.		S.O.L.				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
1. Arts	84	71	0	0	1	0	0	4	21	13	0	0	194
2. Ayur. & Unani-Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Inter-Disciplinary	1	1	0	0	0	0	0	0	0	0	0	0	2
4. Mathematical Sc.	11	5	0	0	0	0	0	0	0	0	0	0	16
5. Medical Sc.	5	3	0	0	0	0	0	0	0	0	0	0	8
6. Homoeopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Music & Fine Arts	7	4	0	0	0	6	0	0	0	0	0	0	17
8. Science	16	11	0	0	0	0	0	0	0	0	0	0	27
9. Social Science	51	21	0	0	0	0	0	4	11	3	0	0	90
10. App.Soc.Sc.& Humanities	2	1	0	0	3	2	0	0	0	0	0	0	8
11. Commerce & Business	23	13	0	0	0	0	0	0	13	10	0	0	59
12. Technology	1	1	0	0	0	0	0	0	0	0	0	0	2
13. Education	23	16	0	0	0	0	0	0	0	0	0	0	39
14. Law	83	21	51	13	0	0	0	0	0	0	0	0	168
15. Management	19	7	0	0	0	0	0	0	0	0	0	0	26
16. Centres (ACBR,CIC,IIC)	2	0	0	0	0	0	0	0	0	0	0	0	2
Grand Total (P.G.)	328	175	51	13	4	8	0	8	45	26	0	0	658

Ph.D ON ROLLS  
FOR THE YEAR 2017-2018  
Under Person with Disability Quota

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF ENGLISH	0	1	1
DEPARTMENT OF HINDI	3	1	4
DEPARTMENT OF MODERN INDIAN LANGUA	2	1	3
DEPARTMENT OF PHILOSOPHY	1	0	1
DEPARTMENT OF SANSKRIT	2	2	4
DEPARTMENT OF URDU	2	0	2
Sub Total : (Arts)	10	5	15

Faculty of Social Science			
DEPARTMENT OF EAST ASIAN STUDIES	2	0	2
DEPARTMENT OF ECONOMICS	0	1	1
DEPARTMENT OF HISTORY	3	0	3
DEPARTMENT OF POLITICAL SCIENCE	4	0	4
DEPARTMENT OF SOCIOLOGY	3	1	4
Sub Total : (Social Sc.)	12	2	14

Faculty of Mathematical Science			
DEPARTMENT OF STATISTICS	0	1	1
Sub Total : (Mathematical Sc.)	0	1	1

Faculty of Science			
DEPARTMENT OF PHYSICS	1	0	1
DEPARTMENT OF ENVIRONMENTAL STUDIE	1	0	1

Sub Total : (Science)	2	0	2
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Faculty of Law			
FACULTY OF LAW	1	2	3
-----			
Sub Total : (Law)	1	2	3
-----			
Faculty of Music & Fine Arts	1	1	2
-----			
Sub Total : (Music & Fine Arts)	1	1	2
-----			
Faculty of Management Studies			
Faculty of Management Studies	4	4	8
-----			
Sub Total : (Management Stu.)	4	4	8
-----			
Faculty of Education	3	2	5
-----			
Sub Total : (Education)	3	2	5
-----			
Grand Total :	33	17	50

Ph.D ADMITED  
FOR THE YEAR 2017-2018  
Person with Disability Quota

Department	Male	Female	Total
-----			
Faculty of Arts			
DEPARTMENT OF BUDDHIST STUDIES	1	0	1
DEPARTMENT OF HINDI	1	1	2
DEPARTMENT OF PHILOSOPHY	1	0	1
DEPARTMENT OF PSYCHOLOGY	1	0	1
DEPARTMENT OF SANSKRIT	1	0	1
DEPARTMENT OF URDU	1	0	1
-----			
Sub Total : (Arts)	6	1	7
-----			

Faculty of App. Social Sc. & Humanities

Sub Total : (App. Social Sc.)	0	0	0
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Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	0	1	1
DEPARTMENT OF EAST ASIAN STUDIES	2	0	2
DEPARTMENT OF ECONOMICS	0	1	1
DEPARTMENT OF HISTORY	2	0	2
DEPARTMENT OF POLITICAL SCIENCE	1	0	1
DEPARTMENT OF SOCIOLOGY	1	0	1
Sub Total : (Social Sc.)	6	2	8

Faculty of Commerce & Business

Sub Total:(Commerce & Business)	0	0	0
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Faculty of Mathematical Science

Sub Total : (Mathematical Sc.)	0	0	0
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Faculty of Science

DEPARTMENT OF ENVIRONMENTAL STUDIE	1	0	1
Sub Total : (Science)	1	0	1

Faculty of Inter-disciplinary & App. Sc.

Sub Total : (Inter-disciplinary)	0	0	0
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Faculty of Law

Sub Total : (Law)	0	0	0
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Faculty of Medicine

Sub Total : (Medicine)

0 0 0

Faculty of A. & Unani Medicine

Sub Total : (A. & Unani.)

0 0 0

Faculty of Music & Fine Arts

Faculty of Music & Fine Arts

1 0 1

Sub Total : (Music & Fine Arts)

1 0 1

Faculty of Management Studies

Faculty of Management Studies

0 1 1

Sub Total : (Management Stu.)

0 1 1

Faculty of Technology

Sub Total : (Technology)

0 0 0

Faculty of Education

Faculty of Education

0 1 1

Sub Total : (Education)

0 1 1

Grand Total :

14 5 19

M.Phill. STUDENTS ENROLMENT  
FOR THE YEAR 2017-2018  
ONROLLS UNDER PERSON WITH DISABILITY

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF BUDDHIST STUDIES	2	0	2
DEPARTMENT OF ENGLISH	3	1	4
DEPARTMENT OF HINDI	2	0	2
DEPARTMENT OF LIBRARY & INFORMATIO	1	0	1
DEPARTMENT OF MODERN INDIAN LANGUA	0	1	1
DEPARTMENT OF PUNJABI	1	0	1
DEPARTMENT OF SANSKRIT	3	0	3
DEPARTMENT OF URDU	3	0	3
Sub Total : (Arts)	15	2	17
Faculty of App. Social Sc. & Humanities			
Sub Total : (App. Social Sc.)	0	0	0
Faculty of Social Science			
DEPARTMENT OF ADULT CONT. ED. & EX	1	0	1
DEPARTMENT OF GEOGRAPHY	2	0	2
DEPARTMENT OF HISTORY	1	1	2
DEPARTMENT OF POLITICAL SCIENCE	0	1	1
DEPARTMENT OF SOCIOLOGY	1	0	1
Sub Total : (Social Sc.)	5	2	7
Faculty of Commerce & Business			
DEPARTMENT OF COMMERCE	2	0	2
Sub Total : (Commerce & Busin.)	2	0	2
Faculty of Mathematical Science			
Sub Total : (Mathematical Sc.)	0	0	0

Faculty of Science			
Sub Total : (Science)	0	0	0
Faculty of Inter-disciplinary & App. Sc.			
Sub Total : (Inter-disciplinary)	0	0	0
Faculty of Law			
Sub Total : (Law)	0	0	0
Faculty of Medicine			
Sub Total : (Medicine)	0	0	0
Faculty of A. & Unani Medicine			
Sub Total : (A. & Unani.)	0	0	0
Faculty of Music & Fine Arts			
Faculty of Music & Fine Arts	3	0	3
Sub Total : (Music & Fine Arts)	3	0	3
Faculty of Management Studies			
Sub Total : (Management Stu)	0	0	0
Faculty of Technology			
Sub Total : (Technology)	0	0	0



Faculty of Education

Faculty of Education	1	1	2
Sub Total : (Education)	1	1	2
Grand Total :	26	5	31

M.Phill ADMITED  
FOR THE YEAR 2017-2018  
Person with Disability Quota

Department	Male	Female	Total
Faculty of Arts			
DEPARTMENT OF BUDDHIST STUDIES	1	0	1
DEPARTMENT OF ENGLISH	2	0	2
DEPARTMENT OF HINDI	1	0	1
DEPARTMENT OF LIBRARY & INFORMATIO	1	0	1
DEPARTMENT OF MODERN INDIAN LANGUA	0	1	1
DEPARTMENT OF PUNJABI	1	0	1
DEPARTMENT OF SANSKRIT	2	0	2
DEPARTMENT OF URDU	1	0	1
Sub Total : (Arts)	9	1	10

Faculty of App. Social Sc. & Humanities

Sub Total : (App. Social Sc.)	0	0	0
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Faculty of Social Science

DEPARTMENT OF ADULT CONT. ED. & EX	1	0	1
DEPARTMENT OF HISTORY	0	1	1
DEPARTMENT OF SOCIOLOGY	1	0	1
Sub Total : (Social Sc.)	2	1	3

Faculty of Commerce & Business

DEPARTMENT OF COMMERCE	1	0	1
-----			
Sub Total:(Commerce & Business)	1	0	1
-----			

Faculty of Mathematical Science

Sub Total : (Mathematical Sc.)	0	0	0
-----			

Faculty of Science

Sub Total : (Science)	0	0	0
-----			

Faculty of Inter-disciplinary & App. Sc.

Sub Total : (Inter-disciplinary)	0	0	0
-----			

Faculty of Law

Sub Total : (Law)	0	0	0
-----			

Faculty of Medicine

Sub Total : (Medicine)	0	0	0
-----			

Faculty of A. & Unani Medicine

Sub Total : (A. & Unani.)	0	0	0
-----			

Faculty of Music & Fine Arts

Sub Total : (Music & Fine Arts)	0	0	0
-----			

Faculty of Management Studies

Sub Total : (Management Stu.)

0 0 0

Faculty of Technology

Sub Total : (Technology)

0 0 0

Faculty of Education

Faculty of Education

1 0 1

Sub Total : (Education)

1 0 1

Grand Total :

13 2 15

Statement showing the course wise distribution  
of Under-Graduate Students (Non-formal) on rolls in  
School of Open Learning & in N.C.W.E.B  
in the Year 2017-2018

# PERSON WITH DISABLITY QUOTA

Under-Graduate Students (Non-formal)

S.No.	Subject	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
School of Open Learning													
1	B.A.PROGRAMME	190	91	281	172	79	251	265	148	413	627	318	945
2	B.COM.	17	1	18	14	5	19	28	10	38	59	16	75
3	B.COM. (HONS)	3	0	3	0	0	0	1	2	3	4	2	6
4	B.A. (H) ENGLISH	3	1	4	1	2	3	3	2	5	7	5	12
5	B.A. (H) POL.SCIENCE	13	4	17	19	6	25	14	5	19	46	15	61
Sub-Total :		226	97	323	206	92	298	311	167	478	743	356	1099

Non-Collegiate Women's Educational Board

6	B.A.PROGRAMME	0	4	4	0	5	5	0	16	16	0	25	25
7	B.COM.	0	2	2	0	4	4	0	8	8	0	14	14
Sub-Total :		0	6	6	0	9	9	0	24	24	0	39	39
Grand-Total :		226	103	329	206	101	307	311	191	502	743	395	1138

Post-Graduate Students (Non-formal)

S.No.	Subject	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T

School of Open Learning

1	M.A.(HINDI)	7	7	14	2	0	2	11	6	17	20	13	33
2	M.A.(SANSKRIT)	1	0	1	0	0	0	0	0	0	1	0	1
3	M.A.(POLITICAL SCIENCE)	7	2	9	3	0	3	0	0	0	10	2	12
4	M.A.(HISTORY)	1	1	2	0	0	0	0	0	0	1	1	2

Total (M.A.):		16	10	26	5	0	5	11	6	17	32	16	48
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5	M.COM	7	4	11	6	6	12	0	0	0	13	10	23
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Sub-Total :		23	14	37	11	6	17	11	6	17	45	26	71
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Non-Collegiate Womens Educational Board

6	M.A.(ENGLISH)	0	1	1	0	0	0	0	0	0	0	1	1
7	M.A.(HINDI)	0	2	2	0	1	1	0	0	0	0	3	3
8	M.A.(POLITICAL SCIENCE)	0	3	3	0	1	1	0	0	0	0	4	4

Total (M.A.):		0	6	6	0	2	2	0	0	0	0	8	8
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Sub-Total :		0	6	6	0	2	2	0	0	0	0	8	8
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Grand-Total :		23	20	43	11	8	19	11	6	17	45	34	79
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## Under-Graduate (Regular)

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.A.PROGRAMME DAY	89	67	156	66	62	128	58	44	102	0	0	0	0	0	0	213	173	386
2	B.A.PROGRAMME EVE	18	1	19	15	0	15	14	0	14	0	0	0	0	0	0	47	1	48
3	B.A.(VOCATIONAL STUDIES)	2	0	2	3	0	3	2	0	2	0	0	0	0	0	0	7	0	7
4	B.Voc. (DAY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	B.Voc. (EVE)	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	2	1	3
6	B.A. (Hons.) DAY	134	80	214	137	85	222	106	221	327	0	0	0	0	0	0	377	386	763
7	B.A. (Hons.) EVE	16	1	17	13	4	17	21	3	24	0	0	0	0	0	0	50	8	58
8	B.COM. (HONS) DAY	34	16	50	32	8	40	25	39	64	0	0	0	0	0	0	91	63	154
9	B.COM.(HONS) EVE	0	0	0	2	1	3	1	0	1	0	0	0	0	0	0	3	1	4
10	B.COM. DAY	49	17	66	33	14	47	47	27	74	0	0	0	0	0	0	129	58	187
11	B.COM. EVE	5	6	11	7	0	7	7	3	10	0	0	0	0	0	0	19	9	28
12	B.MANAGEMENT STUDIES	5	1	6	4	1	5	6	2	8	0	0	0	0	0	0	15	4	19
13	B.MANAGEMENT STUDIES EVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	B.F.I.A. (B.FIN. & INVEST	1	2	3	2	0	2	2	0	2	0	0	0	0	0	0	5	2	7
15	B.M.M.M.C.(B.MASS MEDIA &	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	B.Sc PHYSICAL SCIENCES	4	0	4	3	0	3	2	3	5	0	0	0	0	0	0	9	3	12
17	B.Sc LIFE SCIENCES	4	2	6	2	22	24	3	2	5	0	0	0	0	0	0	9	26	35
18	B.Sc APPLIED PHYSICAL SCI	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
19	B.Sc APPLIED LIFE SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	B.Sc. (Hons.) DAY	43	18	61	53	65	118	43	51	94	0	0	0	0	0	0	139	134	273
21	B.Sc. (Hons.) DAY	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
22	B.Sc APPLIED LIFE SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	B.SC.(G) MATH. SCIENCES	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
24	B.SC.(HOME SCIENCE)	0	4	4	0	1	1	0	2	2	0	0	0	0	0	0	0	7	7
25	POST BASIC B.Sc. NURSING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	B.SC. (PHY. EDU. & HEALTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	B.ELEMENTARY EDUCATION	0	8	8	0	13	13	0	4	4	0	8	8	0	0	0	0	33	33
28	5 Yr INT. PROG. IN JOURNA	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
29	B.P.O.(B.PROSTHETICS & OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	B.O.T.(B.OCCUPATIONAL THE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	B.P.T.(B.PHYSIOTHERAPY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	B.PHARMA	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
33	B.SC.(MEDICAL TECH.-RADIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	B.F.A. (B. FINE ART)	0	4	4	1	4	5	1	1	2	2	2	4	0	0	0	4	11	15
35	B.A.M.S.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
36	B.U.M.S.	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
37	B.H.M.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	M.B.B.S.	4	2	6	5	6	11	5	0	5	3	2	5	3	3	6	20	13	33
39	B.D.S.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	B.E.	8	1	9	6	3	9	14	4	18	8	0	8	0	0	0	36	8	44
41	B.Tech.(IT & Math. Innov	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	3	0	3
42	Other Cert./Diploma	20	2	22	5	4	9	0	0	0	0	0	0	0	0	0	25	6	31
Total :		442	232	674	392	294	686	361	407	768	14	12	26	3	3	6	1212	948	2160

## Post-Graduate (Regular)

S.No.	Subject	I YR			II YR			III YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	B.LIB.SC.	2	0	2	0	0	0	0	0	0	2	0	2
2	M.Lib. & INFORMATION Sc.	0	2	2	0	0	0	0	0	0	0	2	2
3	M.A. (DAY)	45	51	96	47	30	77	0	0	0	92	81	173
4	M.COM	10	6	16	5	2	7	0	0	0	15	8	23
5	MBA (BUSINESS ECONOMICS)	1	0	1	1	1	2	0	0	0	2	1	3
6	MBA (FINANCIAL MANAGEMENT)	1	0	1	0	1	1	0	0	0	1	1	2
7	MBA (HUMAN RESOURCE DEVELOPMENT)	1	1	2	1	1	2	0	0	0	2	2	4
8	MBA (INTERNATIONAL BUSINESS)	2	1	3	1	1	2	0	0	0	3	2	5
9	MCA (MASTER OF COMPUTER APPLICATIONS)	0	0	0	2	0	2	0	0	0	2	0	2
10	M.Sc.	14	9	23	11	4	15	0	0	0	25	13	38
11	M.Sc. (App. Sc.)	0	1	1	0	0	0	0	0	0	0	1	1
12	M.Sc.Med. Imgg. Tech. Radio.	0	0	0	0	0	0	0	0	0	0	0	0
13	M. NURSING	0	1	1	0	1	1	0	0	0	0	2	2
14	M.F.A. (M. FINE ART)	1	1	2	1	0	1	0	0	0	2	1	3
15	M.TECH (MICROWAVE ELECT.)	0	0	0	1	0	1	0	0	0	1	0	1
16	B.ED.	9	7	16	5	3	8	0	0	0	14	10	24
17	B.ED. (SPECIAL EDUCATION)	1	1	2	1	0	1	0	0	0	2	1	3
18	M.Ed. (FULL TIME)	3	0	3	0	2	2	0	0	0	3	2	5
19	B.P.ED. (B.PHY. EDUCATION)	0	0	0	0	0	0	0	0	0	0	0	0
20	M.P.ED. (MASTER OF PHY. EDUCATION)	0	0	0	0	0	0	0	0	0	0	0	0
21	LL.B.	78	19	97	25	11	36	25	2	27	128	32	160
22	LL.M. (TWO YEAR)	3	0	3	0	0	0	0	0	0	3	0	3
23	LL.M. (THREE YEAR)	1	0	1	0	0	0	1	0	1	2	0	2
24	M.C.L. (2 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0
25	M.B.A. (FULL TIME) 2 Yr.	5	1	6	4	2	6	0	0	0	9	3	12
26	M.B.A. EXECUTIVE 2 Yr.	2	0	2	3	0	3	0	0	0	5	0	5
27	M.B.A. EXECUTIVE (HCA) 2 Yr.	0	0	0	1	0	1	0	0	0	1	0	1
28	MDS (M. IN DENTAL SURG)	0	0	0	0	0	0	0	0	0	0	0	0
29	M.Tech. (Full Time)	0	0	0	0	0	0	0	0	0	0	0	0
30	M.Tech (Part-Time)	1	0	1	0	1	1	0	0	0	1	1	2
31	MD (Ayurvedic Unani)	0	0	0	0	0	0	0	0	0	0	0	0
32	MD (Homoeopathic Med.	0	0	0	0	0	0	0	0	0	0	0	0
33	Ph.D Combined	33	17	50	0	0	0	0	0	0	33	17	50
34	M.PHIL	13	2	15	13	3	16	0	0	0	26	5	31
35	DM/MCH	0	0	0	0	0	0	0	0	0	0	0	0
36	MEDICAL DEGREE	0	0	0	1	1	2	4	2	6	5	3	8
37	MEDICAL DIPLOMA	0	0	0	0	0	0	0	0	0	0	0	0
38	Other Cert./Dip.	3	4	7	1	4	5	0	0	0	4	8	12
Total :		229	124	353	124	68	192	30	4	34	383	196	579

Statement showing the no. of students on rolls  
in Under-Graduate Certificate/Diploma courses in the  
University Colleges/Departments  
in the Year 2017-2018  
UNDER PERSON WITH DISABILITY QUOTA

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
A. DEPARTMENT										
1. Diploma										
1	DIP. IN URDU	1	0	1	0	0	0	1	0	1
Sub-Total (Diploma)		1	0	1	0	0	0	1	0	1
2. Advance Diploma										
2	ADVANCE DIPLOMA IN URDU	3	0	3	0	0	0	3	0	3
3	ADVANCE DIPLOMA IN BENGALI	1	0	1	0	0	0	1	0	1
Sub-Total (Adv. Diploma)		4	0	4	0	0	0	4	0	4
3. Certificate course										
4	CERTIFICATE IN ARABIC	1	1	2	0	0	0	1	1	2
5	CERTIFICATE IN PUNJABI	3	0	3	0	0	0	3	0	3
6	CERTIFICATE IN URDU	1	0	1	0	0	0	1	0	1
7	CERTIFICATE IN POLISH	1	0	1	0	0	0	1	0	1
8	CERTIFICATE IN RUSSIAN	2	1	3	0	0	0	2	1	3
Sub-Total (Certificate)		8	2	10	0	0	0	8	2	10
Total (Cert./Diploma/Course)		13	2	15	0	0	0	13	2	15

B. COLLEGES

1. Diploma

1	DIP. IN FINE ART	4	0	4	5	4	9	9	4	13
Sub-Total (Diploma)		4	0	4	5	4	9	9	4	13

2. Certificate course

2	CERTIFICATE IN FRENCH	1	0	1	0	0	0	1	0	1
3	CERTIFICATE IN GERMAN	2	0	2	0	0	0	2	0	2
Sub-Total (Certificate)		3	0	3	0	0	0	3	0	3
Total (Cert./Diploma/Course)		7	0	7	5	4	9	12	4	16
Grand-Total (Cert./Diploma/Course)		20	2	22	5	4	9	25	6	31

Post-graduate Certificate/Diploma Course

S.No.	College/Deptt.	I Year			II Year			Total		
		M	F	T	M	F	T	M	F	T
A. DEPARTMENT										
1. Post M.A. Diploma										
1	POST M.A.DIP.IN LINGUISTICS	1	0	1	0	0	0	1	0	1
Sub-Total (Post M.A. Diploma)		1	0	1	0	0	0	1	0	1
Total (Cert./Diploma/Course)		1	0	1	0	0	0	1	0	1



B. COLLEGES

1. P.G. Diploma

2	P.G. DIPLOMA IN FINE ARTS	0	3	3	0	3	3	0	6	6
3	P.G. DIP. IN GLOBAL BUSINESS OPERAT	2	1	3	1	1	2	3	2	5
Sub-Total (P.G. Diploma)		2	4	6	1	4	5	3	8	11
Total (Cert./Diploma/Course)		2	4	6	1	4	5	3	8	11
Grand-Total (Cert./Diploma/Course)		3	4	7	1	4	5	4	8	12

B.A.PROGRAMME

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	1	0	1	1	0	1	0	0	0	2	0	2
2	BHARATI COLLEGE (W)	0	0	0	0	2	2	0	2	2	0	4	4
3	BHIM RAO AMBEDKAR COLLEGE	6	1	7	6	3	9	3	0	3	15	4	19
4	DAULAT RAM COLLEGE (W)	0	6	6	0	7	7	0	1	1	0	14	14
5	DEEN DAYAL UPADHYAYA COLLEGE	0	0	0	1	0	1	3	0	3	4	0	4
6	DELHI COLLEGE OF ARTS & COMMERCE	2	0	2	1	0	1	0	0	0	3	0	3
7	DESHBANDHU COLLEGE	0	0	0	1	1	2	0	0	0	1	1	2
8	DYAL SINGH COLLEGE	9	1	10	2	1	3	3	0	3	14	2	16
9	GARGI COLLEGE (W)	0	0	0	0	2	2	0	1	1	0	3	3
10	HANS RAJ COLLEGE	0	0	0	1	0	1	1	0	1	2	0	2
11	HINDU COLLEGE	2	2	4	2	0	2	3	0	3	7	2	9
12	I.P. COLLEGE (W)	0	10	10	0	6	6	0	3	3	0	19	19
13	JANKI DEVI MEMORIAL COLLEGE (W)	0	4	4	0	3	3	0	5	5	0	12	12
14	JESUS & MARY COLLEGE (W)	0	2	2	0	3	3	0	1	1	0	6	6
15	KAMALA NEHRU COLLEGE (W)	0	1	1	0	2	2	0	0	0	0	3	3
16	KIRORI MAL COLLEGE	3	0	3	7	0	7	5	0	5	15	0	15
17	LADY SHRI RAM COLLEGE (W)	0	0	0	0	1	1	0	1	1	0	2	2
18	LAKSHMIBAI COLLEGE (W)	0	3	3	0	9	9	0	7	7	0	19	19
19	MAITREYI COLLEGE (W)	0	0	0	0	1	1	0	0	0	0	1	1
20	MATA SUNDRI COLLEGE (W)	0	2	2	0	2	2	0	0	0	0	4	4
21	MIRANDA HOUSE (W)	0	2	2	0	3	3	0	8	8	0	13	13
22	MOTILAL NEHRU COLLEGE	0	0	0	1	0	1	0	1	1	1	1	2
23	P.G.D.A.V. COLLEGE	10	0	10	9	0	9	8	0	8	27	0	27
24	RAJDHANI COLLEGE	4	1	5	1	0	1	2	2	4	7	3	10
25	RAMJAS COLLEGE	5	0	5	8	0	8	3	0	3	16	0	16
26	S.G.T.B. KHALSA COLLEGE	4	0	4	9	1	10	3	2	5	16	3	19

27	SATYAWATI COLLEGE	12	7	19	7	2	9	12	1	13	31	10	41
28	SHAHEED BHAGAT SINGH COLLEGE	8	2	10	2	1	3	2	0	2	12	3	15
29	SHIVAJI COLLEGE	11	0	11	1	1	2	3	0	3	15	1	16
30	SHYAM LAL COLLEGE	1	0	1	1	2	3	1	0	1	3	2	5
31	SHYAMA PRASAD MUKHERJI COLLEGE (W)	0	11	11	0	2	2	0	0	0	0	13	13
32	SRI AUROBINDO COLLEGE	2	1	3	2	0	2	2	0	2	6	1	7
33	SRI VENKATESWARA COLLEGE	1	3	4	0	3	3	0	4	4	1	10	11
34	ST. STEPHEN'S COLLEGE	2	0	2	1	1	2	0	1	1	3	2	5
35	SWAMI SHRADDHANAND COLLEGE	1	2	3	2	0	2	2	1	3	5	3	8
36	VIVEKANANDA COLLEGE (W)	0	2	2	0	1	1	0	3	3	0	6	6
37	ZAKIR HUSAIN DELHI COLLEGE	2	0	2	0	0	0	0	0	0	2	0	2
38	BHAGINI NIVEDITA COLLEGE (W)	0	1	1	0	0	0	0	0	0	0	1	1
39	ADITI MAHAVIDYALYA (W)	0	0	0	0	2	2	0	0	0	0	2	2
40	MAHARAJA AGARSEN CO-ED. COLLEGE	0	1	1	0	0	0	0	0	0	0	1	1
41	SHRI GURU NANAK DEV KHALSA COLLEG	3	2	5	0	0	0	2	0	2	5	2	7
-----													
Total (Day):		89	67	156	66	62	128	58	44	102	213	173	386
-----													
42	RAMANUJAN COLLEGE	1	0	1	0	0	0	0	0	0	1	0	1
43	DYAL SINGH COLLEGE (EVE.)	5	0	5	2	0	2	5	0	5	12	0	12
44	MOTILAL NEHRU COLLEGE (EVE.)	2	0	2	0	0	0	0	0	0	2	0	2
45	P.G.D.A.V. COLLEGE (EVE.)	0	0	0	2	0	2	0	0	0	2	0	2
46	SATYAWATI COLLEGE (EVE.)	8	1	9	8	0	8	4	0	4	20	1	21
47	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	1	0	1	1	0	1	3	0	3	5	0	5
48	SHYAM LAL COLLEGE (EVE.)	1	0	1	1	0	1	1	0	1	3	0	3
49	ZAKIR HUSAIN P.G. EVENING COLLEGE	0	0	0	1	0	1	1	0	1	2	0	2
-----													
Total (Eve):		18	1	19	15	0	15	14	0	14	47	1	48
-----													
Total (Day + Eve):		107	68	175	81	62	143	72	44	116	260	174	434
-----													
Total (Regular):		107	68	175	81	62	143	72	44	116	260	174	434
=====													
50	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	4	4	0	5	5	0	16	16	0	25	25
51	SCHOOL OF OPEN LEARNING	190	91	281	172	79	251	265	148	413	627	318	945
-----													
Total (Nonformal):		190	95	285	172	84	256	265	164	429	627	343	970
=====													
Grand Total :		297	163	460	253	146	399	337	208	545	887	517	1404
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## B.COM. (HONS)

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ACHARYA NARENDRA DEV COLLEGE	0	0	0	1	0	1	1	0	1	2	0	2
2	DAULAT RAM COLLEGE (W)	0	0	0	0	1	1	0	28	28	0	29	29
3	DEEN DAYAL UPADHYAYA COLLEGE	0	0	0	0	0	0	1	1	2	1	1	2
4	DELHI COLLEGE OF ARTS & COMMERCE	1	0	1	0	0	0	0	0	0	1	0	1
5	DYAL SINGH COLLEGE	2	1	3	1	0	1	1	0	1	4	1	5
6	HANS RAJ COLLEGE	1	2	3	5	0	5	2	0	2	8	2	10
7	HINDU COLLEGE	2	1	3	2	0	2	0	1	1	4	2	6
8	I.P. COLLEGE (W)	0	0	0	0	1	1	0	1	1	0	2	2
9	KIRORI MAL COLLEGE	0	0	0	0	0	0	1	0	1	1	0	1
10	LADY SHRI RAM COLLEGE (W)	0	1	1	0	1	1	0	2	2	0	4	4
11	MAITREYI COLLEGE (W)	0	0	0	0	1	1	0	0	0	0	1	1
12	RAJDHANI COLLEGE	0	0	0	0	0	0	1	0	1	1	0	1
13	RAMJAS COLLEGE	2	0	2	2	0	2	1	1	2	5	1	6
14	S.G.T.B. KHALSA COLLEGE	1	1	2	0	0	0	2	0	2	3	1	4
15	SHAHEED BHAGAT SINGH COLLEGE	6	0	6	8	0	8	0	0	0	14	0	14
16	SHIVAJI COLLEGE	0	0	0	0	0	0	1	0	1	1	0	1
17	SRI G.G.S. COLLEGE OF COMMERCE	3	1	4	1	1	2	1	0	1	5	2	7
18	SRI RAM COLLEGE OF COMMERCE	14	8	22	12	2	14	12	2	14	38	12	50
19	SRI VENKATESWARA COLLEGE	0	0	0	0	1	1	0	1	1	0	2	2
20	VIVEKANANDA COLLEGE (W)	0	1	1	0	0	0	0	2	2	0	3	3
21	ZAKIR HUSAIN DELHI COLLEGE	1	0	1	0	0	0	0	0	0	1	0	1
22	MAHARAJA AGARSEN CO-ED. COLLEGE	1	0	1	0	0	0	0	0	0	1	0	1
23	SHRI GURU NANAK DEV KHALSA COLLEG	0	0	0	0	0	0	1	0	1	1	0	1
Total (Day):		34	16	50	32	8	40	25	39	64	91	63	154
24	DYAL SINGH COLLEGE (EVE.)	0	0	0	1	0	1	1	0	1	2	0	2
25	SATYAWATI COLLEGE (EVE.)	0	0	0	0	1	1	0	0	0	0	1	1
26	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	0	0	0	1	0	1	0	0	0	1	0	1
Total (Eve):		0	0	0	2	1	3	1	0	1	3	1	4
Total (Day + Eve):		34	16	50	34	9	43	26	39	65	94	64	158
Total (Regular):		34	16	50	34	9	43	26	39	65	94	64	158
27	SCHOOL OF OPEN LEARNING	3	0	3	0	0	0	1	2	3	4	2	6
Total (Nonformal):		3	0	3	0	0	0	1	2	3	4	2	6

Grand Total :	37	16	53	34	9	43	27	41	68	98	66	164
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B.COM.

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	A.R.S.D. COLLEGE	0	0	0	0	0	0	2	0	2	2	0	2
2	BHARATI COLLEGE (W)	0	0	0	0	0	0	0	1	1	0	1	1
3	BHIM RAO AMBEDKAR COLLEGE	3	1	4	7	0	7	2	0	2	12	1	13
4	DAULAT RAM COLLEGE (W)	0	0	0	0	3	3	0	22	22	0	25	25
5	DELHI COLLEGE OF ARTS & COMMERCE	2	0	2	1	0	1	0	0	0	3	0	3
6	DYAL SINGH COLLEGE	9	3	12	3	1	4	4	0	4	16	4	20
7	GARGI COLLEGE (W)	0	0	0	0	2	2	0	1	1	0	3	3
8	KAMALA NEHRU COLLEGE (W)	0	1	1	0	1	1	0	0	0	0	2	2
9	KIRORI MAL COLLEGE	1	0	1	3	0	3	1	0	1	5	0	5
10	MAITREYI COLLEGE (W)	0	3	3	0	0	0	0	0	0	0	3	3
11	MATA SUNDRI COLLEGE (W)	0	0	0	0	0	0	0	1	1	0	1	1
12	MOTILAL NEHRU COLLEGE	0	0	0	0	0	0	2	0	2	2	0	2
13	P.G.D.A.V. COLLEGE	3	0	3	0	0	0	9	0	9	12	0	12
14	RAMJAS COLLEGE	4	1	5	0	0	0	5	0	5	9	1	10
15	S.G.T.B. KHALSA COLLEGE	3	1	4	0	0	0	0	0	0	3	1	4
16	SATYAWATI COLLEGE	0	0	0	3	0	3	2	0	2	5	0	5
17	SHAHEED BHAGAT SINGH COLLEGE	9	3	12	2	0	2	8	0	8	19	3	22
18	SHIVAJI COLLEGE	1	1	2	3	0	3	1	1	2	5	2	7
19	SHYAM LAL COLLEGE	2	0	2	4	0	4	1	0	1	7	0	7
20	SRI AUROBINDO COLLEGE	3	0	3	3	0	3	2	0	2	8	0	8
21	SRI G.G.S. COLLEGE OF COMMERCE	5	1	6	3	1	4	5	0	5	13	2	15
22	SRI VENKATESWARA COLLEGE	0	2	2	0	1	1	1	1	2	1	4	5
23	VIVEKANANDA COLLEGE (W)	0	0	0	0	3	3	0	0	0	0	3	3
24	ZAKIR HUSAIN DELHI COLLEGE	1	0	1	1	0	1	0	0	0	2	0	2
25	SHRI GURU NANAK DEV KHALSA COLLEG	3	0	3	0	2	2	2	0	2	5	2	7
Total (Day):		49	17	66	33	14	47	47	27	74	129	58	187
26	RAMANUJAN COLLEGE	0	0	0	0	0	0	1	1	2	1	1	2
27	DYAL SINGH COLLEGE (EVE.)	2	2	4	2	0	2	3	0	3	7	2	9
28	SHAHEED BHAGAT SINGH COLLEGE (EVE.)	2	4	6	4	0	4	3	2	5	9	6	15
29	SHYAM LAL COLLEGE (EVE.)	0	0	0	1	0	1	0	0	0	1	0	1
30	ZAKIR HUSAIN P.G. EVENING COLLEGE	1	0	1	0	0	0	0	0	0	1	0	1
Total (Eve):		5	6	11	7	0	7	7	3	10	19	9	28

Total (Day + Eve) :		54	23	77	40	14	54	54	30	84	148	67	215
Total (Regular) :		54	23	77	40	14	54	54	30	84	148	67	215
31	NON-COLLEGIATE WOMEN'S EDU. BOARD	0	2	2	0	4	4	0	8	8	0	14	14
32	SCHOOL OF OPEN LEARNING	17	1	18	14	5	19	28	10	38	59	16	75
Total (Nonformal) :		17	3	20	14	9	23	28	18	46	59	30	89
Grand Total :		71	26	97	54	23	77	82	48	130	207	97	304

#### B.A. (Hons) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ARABIC	2	0	2	0	0	0	0	0	0	2	0	2
2	APP. PSYCHOLOGY	0	1	1	0	1	1	1	0	1	1	2	3
3	ENGLISH	14	8	22	13	8	21	12	31	43	39	47	86
4	HINDI	35	21	56	47	21	68	37	53	90	119	95	214
5	PHILOSOPHY	2	1	3	0	1	1	0	13	13	2	15	17
6	PSYCHOLOGY	0	8	8	2	6	8	1	12	13	3	26	29
7	SANSKRIT	4	1	5	3	1	4	4	20	24	11	22	33
8	URDU	1	1	2	0	1	1	0	0	0	1	2	3
9	HINDI PATRAKARITA AVAM JANSANCHAR	2	0	2	0	0	0	2	0	2	4	0	4
10	JOURNALISM	0	0	0	1	1	2	1	2	3	2	3	5
11	FRENCH	0	1	1	0	0	0	0	0	0	0	1	1
12	ITALIAN	1	0	1	0	0	0	0	0	0	1	0	1
13	ECONOMICS	10	4	14	9	9	18	5	27	32	24	40	64
14	HISTORY	30	13	43	22	13	35	21	21	42	73	47	120
15	GEOGRAPHY	4	2	6	6	1	7	3	0	3	13	3	16
16	POL.SCIENCE	38	15	53	41	18	59	39	41	80	118	74	192
17	SOCIOLOGY	2	3	5	2	3	5	0	1	1	4	7	11
18	SOCIAL WORK	1	0	1	1	0	1	0	0	0	2	0	2
19	BUSINESS ECONOMICS	2	0	2	0	0	0	0	0	0	2	0	2
20	MUSIC	0	2	2	2	5	7	0	3	3	2	10	12
21	HUMANITIES AND SOCIAL SCIENCE	2	0	2	1	0	1	1	0	1	4	0	4
Total:		150	81	231	150	89	239	127	224	351	427	394	821

## B.Sc. (Hons) Subject-wise

S.No.	Subject/Course	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	MATHEMATICS	13	2	15	18	17	35	12	17	29	0	0	0	0	0	0	43	36	79
2	STATISTICS	1	0	1	2	1	3	2	0	2	0	0	0	0	0	0	5	1	6
3	COMPUTER SCIENCE	7	1	8	5	0	5	3	1	4	0	0	0	0	0	0	15	2	17
4	ANTHROPOLOGY	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
5	BOTANY	2	2	4	6	14	20	4	12	16	0	0	0	0	0	0	12	28	40
6	CHEMISTRY	2	6	8	3	6	9	7	9	16	0	0	0	0	0	0	12	21	33
7	GEOLOGY	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
8	HOME SCIENCE	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
9	NURSING	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
10	PHYSICS	8	2	10	9	1	10	10	3	13	0	0	0	0	0	0	27	6	33
11	ZOOLOGY	8	4	12	5	15	20	1	9	10	0	0	0	0	0	0	14	28	42
12	BIO-CHEMISTRY	1	0	1	1	9	10	0	0	0	0	0	0	0	0	0	2	9	11
13	ELECTRONICS	1	0	1	2	0	2	2	0	2	0	0	0	0	0	0	5	0	5
14	BIO-MEDICAL SCIENCES	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
15	BIOLOGICAL SCIENCE	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Total :		44	18	62	53	65	118	43	51	94	0	0	0	0	0	0	140	134	274

## B.Tech. (Subject Wise)

S.No.	Subject/Course	I Year			II Year			III Year			IV Year			V Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	(IT AND MATHEMATICAL INNOV	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	3	0	3
Total:		2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	3	0	3

## M.A. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	APPLIED PSYCHOLOGY)	1	1	2	0	0	0	0	0	0	1	1	2
2	BUDDHIST STUDIES)	5	0	5	1	0	1	0	0	0	6	0	6
3	ENGLISH)	6	8	14	5	5	10	0	0	0	11	13	24
4	HINDI)	12	31	43	20	14	34	0	0	0	32	45	77
5	PSYCHOLOGY)	0	0	0	0	1	1	0	0	0	0	1	1

6	PUNJABI)	0	0	0	1	1	2	0	0	0	1	1	2
7	SANSKRIT)	2	1	3	1	0	1	0	0	0	3	1	4
8	URDU)	0	0	0	2	0	2	0	0	0	2	0	2
9	COMPARATIVE INDIAN LITERATURE)	1	0	1	0	0	0	0	0	0	1	0	1
10	ECONOMICS)	2	1	3	0	0	0	0	0	0	2	1	3
11	GEOGRAPHY)	0	1	1	0	0	0	0	0	0	0	1	1
12	HISTORY)	4	2	6	6	2	8	0	0	0	10	4	14
13	POLITICAL SCIENCE)	7	6	13	9	4	13	0	0	0	16	10	26
14	SOCIAL WORK)	4	0	4	0	0	0	0	0	0	4	0	4
15	SOCIOLOGY)	1	0	1	0	0	0	0	0	0	1	0	1
16	EAST ASIAN STUDIES)	0	0	0	0	1	1	0	0	0	0	1	1
17	LIFE LONG LARNING & EXTN.)	0	0	0	1	0	1	0	0	0	1	0	1
18	MUSIC)	0	0	0	1	2	3	0	0	0	1	2	3
----- Total:		45	51	96	47	30	77	0	0	0	92	81	173
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M.COM

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	HANS RAJ COLLEGE	3	0	3	1	0	1	0	0	0	4	0	4
2	MOTILAL NEHRU COLLEGE	0	0	0	1	0	1	0	0	0	1	0	1
3	RAMJAS COLLEGE	1	0	1	0	0	0	0	0	0	1	0	1
4	S.G.T.B. KHALSA COLLEGE	1	1	2	0	0	0	0	0	0	1	1	2
5	SHAHEED BHAGAT SINGH COLLEGE	1	0	1	0	1	1	0	0	0	1	1	2
6	SRI RAM COLLEGE OF COMMERCE	1	2	3	0	0	0	0	0	0	1	2	3
7	SHRI GURU NANAK DEV KHALSA COLLEG	1	0	1	1	0	1	0	0	0	2	0	2
----- Total (Day):		8	3	11	3	1	4	0	0	0	11	4	15
-----													
Total (Day + Eve):		8	3	11	3	1	4	0	0	0	11	4	15
-----													
8	DEPARTMENT OF COMMERCE	2	3	5	2	1	3	0	0	0	4	4	8
-----													
Total (Deptt) Day:		2	3	5	2	1	3	0	0	0	4	4	8
=====													
Total (Deptt.) D+E:		2	3	5	2	1	3	0	0	0	4	4	8
=====													
Total (Regular):		10	6	16	5	2	7	0	0	0	15	8	23

9	SCHOOL OF OPEN LEARNING	7	4	11	6	6	12	0	0	0	13	10	23
Total (Nonformal) :		7	4	11	6	6	12	0	0	0	13	10	23
Grand Total :		17	10	27	11	8	19	0	0	0	28	18	46

#### M.Sc. Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	NT. M.Sc. EARTH SC. (PG)	4	1	5	0	0	0	0	0	0	4	1	5
2	MATHEMATICS)	3	4	7	3	0	3	0	0	0	6	4	10
3	OPER. RESEARCH)	1	0	1	0	0	0	0	0	0	1	0	1
4	COMPUTER SCIENCE)	2	0	2	0	0	0	0	0	0	2	0	2
5	ANTHROPOLOGY)	0	0	0	0	1	1	0	0	0	0	1	1
6	BOTANY)	0	0	0	0	2	2	0	0	0	0	2	2
7	CHEMISTRY)	0	1	1	1	0	1	0	0	0	1	1	2
8	GEOLOGY)	1	0	1	1	0	1	0	0	0	2	0	2
9	PHYSICS)	2	1	3	2	0	2	0	0	0	4	1	5
10	ZOOLOGY)	0	0	0	2	0	2	0	0	0	2	0	2
11	HOME SCIENCE)	0	2	2	0	1	1	0	0	0	0	3	3
12	BIO-MEDICAL RESEARCH	1	0	1	1	0	1	0	0	0	2	0	2
13	(FORENSIC SCIENCE)	0	0	0	1	0	1	0	0	0	1	0	1
Total:		14	9	23	11	4	15	0	0	0	25	13	38

#### M.Sc. (Applied Sc.) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	MICRO-BIOLOGY)	0	1	1	0	0	0	0	0	0	0	1	1
Total:		0	1	1	0	0	0	0	0	0	0	1	1



M.Tech. (Full Time) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	(INFORM. SYS.) FT	0	1	1	0	0	0	0	0	0	0	1	1
Total:		0	1	1	0	0	0	0	0	0	0	1	1

M.Tech. (Part Time) Subject-wise

S.No.	Subject/Course	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	(INFORM. SYS.) PT	1	0	1	0	1	1	0	0	0	1	1	2
Total:		1	0	1	0	1	1	0	0	0	1	1	2

P.G. Degree in Medical Science (College-Wise) and Other Institute

S.No.	College/Deptt.	I Year			II Year			III Year			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
1	LADY HARDINGE MED. COLLEGE (W)	0	0	0	0	0	0	1	0	1	1	0	1
2	MAULANA AZAD MEDICAL COLLEGE	0	0	0	1	0	1	2	1	3	3	1	4
3	U.C.M.S. & G.T.B. HOSPITAL	0	0	0	0	1	1	1	1	2	1	2	3
Total (Day):		0	0	0	1	1	2	4	2	6	5	3	8

FACULTY OF MEDICAL SCEINCES

S.No.	Subject	I YR			II YR			III YR			IV YR			V YR			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T

1	M.B.B.S.	2	3	5	4	0	4	3	0	3	2	3	5	4	0	4	15	6	21
2	M.D. (ANAESTHESIOLOGY)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
3	M.D. (COMMUNITY MEDICINE)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	M.D. (MICROBIOLOGY)	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5	M.D. (OBSTT. & GYNAE)	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2
6	M.D. (PATHOLOGY)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
7	M.S. (ORTHOPAEDICS)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
8	M.S. (GENERAL SURGERY)	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
----- Total :		3	4	7	7	1	8	5	0	5	2	3	5	4	0	4	21	8	29
-----																			

#### FACULTY OF TECHNOLOGY

		I YR			II YR			III YR			IV YR			V YR			Total		
S.No.	Subject	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.E. (COMPTUER ENGG.)	1	1	2	5	1	6	4	0	4	3	1	4	0	0	0	13	3	16
2	B.E. (ELECTRONICS & COMM	1	0	1	2	0	2	1	0	1	3	0	3	0	0	0	7	0	7
3	B.E. (INSTRUM. & CONTROL	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
4	B.E. (MECHANICAL ENGG.)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
5	B.E. (INFORMATION TECHNO	1	1	2	1	1	2	0	0	0	0	0	0	0	0	0	2	2	4
6	M.TECH (INFORM. SYS.) FT	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
----- Total :		3	3	6	9	3	12	5	0	5	6	1	7	0	0	0	23	7	30
-----																			

Statement showing the Course-wise distribution of Under Graduate (Regular) Students on Rolls during the Academic Session 2017-18																		
Under Graduate (Schedule Caste/ Schedule Tribe)																		
Course	Faculty Code	Schedule Caste							Schedule Tribe							Total		
		Degree		Dip/Cert.		Total			Degree		Dip/Cert		Total					
		M	F	M	F	M	F	T	M	F	M	F	M	F	T	M	F	T
Arts	AR	4129	4910	202	113	4331	5023	9354	1313	1148	18	14	1331	1162	2493	5662	6185	11847
Ayur. & Unani Medicine	AU	4	10	0	0	4	10	14	18	30	0	0	18	30	48	22	40	62
Homoeopathic Medicine	HM	22	82	0	0	22	82	104	2	16	0	0	2	16	18	24	98	122
Inter-Disciplinary	ID	271	220	0	0	271	220	491	65	65	0	0	65	65	130	336	285	621
Mathematical Sc.	MA	792	487	0	0	792	487	1279	196	103	0	0	196	103	299	988	590	1578
Medical Sc.	ME	246	242	0	0	246	242	488	86	189	0	0	86	189	275	332	431	763
Music & Fine Arts	MU	96	39	0	0	96	39	135	22	18	0	0	22	18	40	118	57	175
Science	SC	1934	1828	0	0	1934	1828	3762	507	516	0	0	507	516	1023	2441	2344	4785
Social Science	SS	1657	1999	0	0	1657	1999	3656	702	748	0	0	702	748	1450	2359	2747	5106
App. Soc. Sc & Humanities	HS	273	191	61	22	334	213	547	44	36	4	0	48	36	84	382	249	631
Commerce & Business	CB	3270	2615	0	0	3270	2615	5885	697	372	0	0	697	372	1069	3967	2987	6954
Technology	TE	480	103	0	0	480	103	583	160	39	0	0	160	39	199	640	142	782
Education	ED	45	274	0	0	45	274	319	25	103	0	0	25	103	128	70	377	447
Law	LW	666	214	0	0	666	214	880	233	128	0	0	233	128	361	899	342	1241
Grand Total		13885	13214	263	135	14148	13349	27497	4070	3511	22	14	4092	3525	7617	18240	16874	35114

**Statement showing the course-wise distribution of under graduate (Regular) SC students on rolls during the Academic Session 2017-18**

<b>Under Graduate (Schedule Caste)</b>																			
<b>S.N.</b>	<b>COURSES</b>	<b>I Year</b>			<b>II Year</b>			<b>III Year</b>			<b>IV Year</b>			<b>V Year</b>			<b>TOTAL</b>		
		<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>
1	B.A PROGRAMME	947	894	1841	816	882	1698	855	898	1753	1	0	1	0	0	0	2619	2674	5293
2	B.A (VOCATIONAL STUDIES)	73	33	106	41	13	54	59	14	73	0	0	0	0	0	0	173	60	233
3	B.A (HONS.) ARABIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	B.A (HONS.) APPLIED PSYCHOLOGY	8	23	31	9	31	40	5	14	19	0	0	0	0	0	0	22	68	90
5	B.A (HONS.) BENGALI	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
6	B.A (HONS.) ENGLISH	125	219	344	126	182	308	79	197	276	5	0	5	0	0	0	335	598	933
7	B.A (HONS.) HINDI	189	254	443	169	265	434	178	282	460	1	0	1	0	0	0	537	801	1338
8	B.A (HONS.) PUNJABI	2	2	4	0	0	0	1	8	9	5	0	5	0	0	0	8	10	18
9	B.A (HONS.) PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	B.A (HONS.) PHILOSOPHY	25	44	69	11	56	67	6	37	43	0	0	0	0	0	0	42	137	179
11	B.A (HONS.) PSYCHOLOGY	8	39	47	7	36	43	4	22	26	0	0	0	0	0	0	19	97	116
12	B.A (HONS.) SANSKRIT	105	112	217	75	103	178	66	69	135	0	0	0	0	0	0	246	284	530
13	B.A (HONS.) URDU	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
14	B.A (HONS.) HINDI PATRAKARITA AVAM JAN SANCHAR	2	15	17	6	13	19	9	9	18	0	0	0	0	0	0	17	37	54
15	B.A (HONS.) JOURNALISM	8	27	35	18	18	36	5	20	25	0	0	0	0	0	0	31	65	96
16	B.A (HONS.) FRENCH	1	4	5	1	2	3	0	0	0	0	0	0	0	0	0	2	6	8
17	B.A (HONS.) GERMAN	3	5	8	3	2	5	3	0	3	0	0	0	0	0	0	9	7	16
18	B.A (HONS.) ITALIAN	4	6	10	1	1	2	1	3	4	0	0	0	0	0	0	6	10	16
19	B.A (HONS.) SPANISH	5	3	8	2	3	5	0	1	1	0	0	0	0	0	0	7	7	14
20	B.A (HONS.) ECONOMICS	146	122	268	99	118	217	98	104	202	0	0	0	0	0	0	343	344	687
21	B.A (HONS.) HISTORY	153	162	315	162	156	318	194	204	398	0	0	0	0	0	0	509	522	1031
22	B.A (HONS.) GEOGRAPHY	55	31	86	56	38	94	69	47	116	0	0	0	0	0	0	180	116	296
23	B.A (HONS.) POLITICAL SCIENCE	214	293	507	184	277	461	193	318	511	1	0	1	0	0	0	592	888	1480

24	B.A (HONS.) SOCIOLOGY	13	41	54	5	32	37	3	22	25	0	0	0	0	0	0	21	95	116
25	B.A (HONS.) SOCIAL WORK	4	12	16	3	12	15	5	10	15	0	0	0	0	0	0	12	34	46
26	B.A (HONS.) BUSINESS ECONOMICS	50	18	68	31	36	67	56	29	85	2	0	2	0	0	0	139	83	222
27	B.A (HONS.) MATHEMATICS	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
28	B.A (HONS.) MUSIC	10	2	12	9	4	13	6	2	8	0	0	0	0	0	0	25	8	33
29	B.A. (HUMANITIES & SOCIAL SCIENCE)	5	1	6	4	1	5	4	2	6	0	0	0	0	0	0	13	4	17
30	B. VOC PRINTING & TECHNOLOGY	0	2	2	0	8	8	0	0	0	0	0	0	0	0	0	0	10	10
31	B.VOC WEB DESIGNING	0	6	6	0	8	8	0	0	0	0	0	0	0	0	0	0	14	14
32	B.VOC WEB BANKING	4	1	5	6	6	12	0	0	0	0	0	0	0	0	0	10	7	17
33	B.VOC WEB SOFTWARE	3	0	3	9	2	11	0	0	0	0	0	0	0	0	0	12	2	14
34	B.COM (HONS.)	476	340	816	539	417	956	473	438	911	2	0	2	0	0	0	1490	1195	2685
35	B.COM	591	439	1030	607	491	1098	578	490	1068	4	0	4	0	0	0	1780	1420	3200
36	B.B.S (B. BUSINESS STUDIES)	9	1	10	4	2	6	4	3	7	0	0	0	0	0	0	17	6	23
37	B. MANAGEMENT STUDIES	49	27	76	29	12	41	18	17	35	0	0	0	0	0	0	96	56	152
38	B.F.I.A (B. FINANCIAL INVESTMENT & ANALYSIS)	13	13	26	6	3	9	2	6	8	0	0	0	0	0	0	21	22	43
39	B.M.M.M.C (B. MASS MEDIA & MASS COMMUNICATION )	0	8	8	0	6	6	0	10	10	0	0	0	0	0	0	0	24	24
40	B.Sc PHYSICAL SCIENCES	271	76	347	198	70	268	173	66	239	0	0	0	0	0	0	642	212	854
41	B.Sc LIFE SCIENCES	84	129	213	63	127	190	42	114	156	3	0	3	0	0	0	192	370	562
42	B.Sc APPLIED PHYSICAL SCIENCES	68	17	85	31	23	54	27	15	42	0	0	0	0	0	0	126	55	181
43	B.Sc APPLIED LIFE SCIENCES	2	2	4	4	3	7	1	1	2	0	0	0	0	0	0	7	6	13
44	B.Sc (G) MATH.SCIENCES	20	8	28	19	1	20	21	8	29	0	0	0	0	0	0	60	17	77
45	B.Sc (HOME SCIENCE)	0	71	71	0	67	67	0	56	56	0	0	0	0	0	0	0	194	194
46	B.Sc (PHYSICAL EDUCATION & SPORTS SCIENCE )	16	0	16	16	2	18	12	1	13	0	0	0	0	0	0	44	3	47
47	B.ELEMENTARY EDUCATION	0	53	53	0	47	47	0	50	50	0	42	42	0	0	0	0	192	192
48	B.Sc (HONS.) MATHEMATICS	171	114	285	148	116	264	124	111	235	0	0	0	0	0	0	443	341	784
49	B.Sc (HONS.) STATISTICS	23	13	36	36	6	42	11	7	18	0	0	0	0	0	0	70	26	96
50	B.Sc (HONS.) COMPUTER SCIENCE	84	33	117	81	32	113	54	37	91	0	0	0	0	0	0	219	102	321

51	B.Sc (HONS.) ANTHROPOLOGY	3	1	4	2	5	7	2	5	7	0	0	0	0	0	0	7	11	18
52	B.Sc (HONS.) BOTANY	56	90	146	31	55	86	29	50	79	3	0	3	0	0	0	119	195	314
53	B.Sc (HONS.) CHEMISTRY	115	73	188	104	72	176	72	49	121	1	0	1	0	0	0	292	194	486
54	B.Sc (HONS.) GEOLOGY	8	2	10	8	3	11	4	2	6	0	0	0	0	0	0	20	7	27
55	B.Sc (HONS.) HOME SCIENCE	0	39	39	0	30	30	0	25	25	0	0	0	0	0	0	0	94	94
56	B.Sc (HONS.) NURSING	0	19	19	0	17	17	0	25	25	0	24	24	0	0	0	0	85	85
57	POST BASIC B.SC. NURSING	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
58	B.Sc (HONS.) PHYSICS	124	60	184	127	50	177	108	43	151	0	0	0	0	0	0	359	153	512
59	B.Sc (HONS.) ZOOLOGY	45	75	120	34	54	88	25	37	62	1	0	1	0	0	0	105	166	271
60	B.Sc (HONS.) POLYMER SCIENCE	6	0	6	2	0	2	6	1	7	0	0	0	0	0	0	14	1	15
61	B.Sc (HONS.) BIO-CHEMISTRY	14	23	37	5	14	19	5	11	16	0	0	0	0	0	0	24	48	72
62	B.Sc (HONS.) ELECTRONICS	54	19	73	42	12	54	39	12	51	0	0	0	0	0	0	135	43	178
63	B.Sc (HONS.) MICRO-BIOLOGY	12	18	30	9	8	17	2	16	18	0	0	0	0	0	0	23	42	65
64	B.Sc (HONS.) BIO-MEDICAL SCIENCES	9	8	17	4	11	15	5	9	14	0	0	0	0	0	0	18	28	46
65	B.Sc (HONS.) BIOLOGICAL SCIENCE	0	3	3	2	2	4	1	3	4	0	0	0	0	0	0	3	8	11
66	B.Sc (HONS.) FOOD TECHNOLOGY	4	21	25	3	8	11	2	7	9	0	0	0	0	0	0	9	36	45
67	B.Sc (HONS.) INSTRUMENTATION	9	5	14	0	3	3	6	4	10	0	0	0	0	0	0	15	12	27
68	B.P.O (B. PROSTHETICS & ORTHOTICS)	4	2	6	2	5	7	6	0	6	3	2	5	0	0	0	15	9	24
69	B.O.T (B. OCCUPATIONAL THERAPY)	5	7	12	2	5	7	4	7	11	4	7	11	0	0	0	15	26	41
70	B.P.T (B. PHYSIOTHERAPY)	3	11	14	6	7	13	4	6	10	2	13	15	0	0	0	15	37	52
71	B. PHARMA	0	0	0	0	0	0	3	6	9	3	6	9	0	0	0	6	12	18
72	B.Sc (MEDICAL RADIOGRAPHY)	2	0	2	2	1	3	2	1	3	0	0	0	0	0	0	6	2	8
73	B.F.A (B. FINE ART)	20	7	27	15	8	23	19	6	25	17	10	27	0	0	0	71	31	102
74	B.A.M.S	1	4	5	2	3	5	1	1	2	0	2	2	0	0	0	4	10	14
75	B.U.M.S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	B.H.M.S	8	17	25	3	22	25	4	10	14	2	10	12	5	23	28	22	82	104
77	M.B.B.S	41	45	86	47	41	88	46	45	91	52	47	99	48	50	98	234	228	462
78	B.D.S	4	3	7	0	2	2	0	3	3	2	4	6	0	0	0	6	12	18

79	B.E.	136	21	157	122	26	148	104	22	126	98	28	126	0	0	0	460	97	557
80	B.TECH (COLLEGES/CIC )	4	2	6	6	1	7	5	1	6	5	2	7	0	0	0	20	6	26
81	B.ED.	20	33	53	10	33	43	0	0	0	0	0	0	0	0	0	30	66	96
82	B.ED. (SPECIAL EDUCATION)	1	8	9	1	5	6	0	0	0	0	0	0	0	0	0	2	13	15
83	B.P.ED. (B. PHYSICAL EDUCATION)	5	3	8	8	0	8	0	0	0	0	0	0	0	0	0	13	3	16
84	LL.B.	267	90	357	205	63	268	194	61	255	0	0	0	0	0	0	666	214	880
85	B. LIBRARY SCIENCE	6	4	10	0	0	0	0	0	0	0	0	0	0	0	0	6	4	10
86	JOURNILISM FOR 5 YEAR	13	8	21	0	0	0	0	0	0	0	0	0	0	0	0	13	8	21
87	OTHER CERT./DIP.	263	135	398	0	0	0	0	0	0	0	0	0	0	0	0	263	135	398
<b>TOTAL</b>		<b>5301</b>	<b>4571</b>	<b>9872</b>	<b>4440</b>	<b>4298</b>	<b>8738</b>	<b>4137</b>	<b>4210</b>	<b>8347</b>	<b>217</b>	<b>197</b>	<b>414</b>	<b>53</b>	<b>73</b>	<b>126</b>	<b>14148</b>	<b>13349</b>	<b>27497</b>

**Statement showing the course-wise distribution of under graduate (Regular) ST students on rolls during the Academic Session 2017-18**

**Under Graduate (Schedule Tribe)**

S.N.	COURSES	I Year			II Year			III Year			IV Year			V Year			TOTAL		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	B.A PROGRAMME	345	220	565	335	228	563	252	153	405	0	0	0	0	0	0	932	601	1533
2	B.A (VOCATIONAL STUDIES)	24	4	28	12	3	15	3	0	3	0	0	0	0	0	0	39	7	46
3	B.A (HONS.) ARABIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	B.A (HONS.) APPLIED PSYCHOLOGY	1	7	8	3	6	9	2	5	7	0	0	0	0	0	0	6	18	24
5	B.A (HONS.) BENGALI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	B.A (HONS.) ENGLISH	64	89	153	53	93	146	49	83	132	0	0	0	0	0	0	166	265	431
7	B.A (HONS.) HINDI	44	30	74	25	34	59	30	35	65	0	0	0	0	0	0	99	99	198
8	B.A (HONS.) PUNJABI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	B.A (HONS.) PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	B.A (HONS.) PHILOSOPHY	12	18	30	9	22	31	2	24	26	0	0	0	0	0	0	23	64	87
11	B.A (HONS.) PSYCHOLOGY	2	18	20	4	19	23	1	12	13	0	0	0	0	0	0	7	49	56
12	B.A (HONS.) SANSKRIT	0	3	3	2	5	7	1	3	4	0	0	0	0	0	0	3	11	14
13	B.A (HONS.) URDU	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
14	B.A (HONS.) HINDI PATRAKARITA AVAM JAN SANCHAR	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3

15	B.A (HONS.) JOURNALISM	3	6	9	2	9	11	1	4	5	0	0	0	0	0	0	6	19	25
16	B.A (HONS.) FRENCH	1	0	1	2	0	2	1	0	1	0	0	0	0	0	0	4	0	4
17	B.A (HONS.) GERMAN	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	2	1	3
18	B.A (HONS.) ITALIAN	0	2	2	1	0	1	0	0	0	0	0	0	0	0	0	1	2	3
19	B.A (HONS.) SPANISH	2	1	3	1	0	1	0	0	0	0	0	0	0	0	0	3	1	4
20	B.A (HONS.) ECONOMICS	48	27	75	34	19	53	28	19	47	0	0	0	0	0	0	110	65	175
21	B.A (HONS.) HISTORY	70	69	139	63	75	138	87	95	182	0	0	0	0	0	0	220	239	459
22	B.A (HONS.) GEOGRAPHY	20	21	41	19	20	39	32	28	60	0	0	0	0	0	0	71	69	140
23	B.A (HONS.) POLITICAL SCIENCE	93	99	192	97	108	205	92	99	191	0	0	0	0	0	0	282	306	588
24	B.A (HONS.) SOCIOLOGY	4	18	22	6	30	36	4	14	18	0	0	0	0	0	0	14	62	76
25	B.A (HONS.) SOCIAL WORK	2	4	6	1	2	3	2	1	3	0	0	0	0	0	0	5	7	12
26	B.A (HONS.) BUSINESS ECONOMICS	1	1	2	4	0	4	2	1	3	0	0	0	0	0	0	7	2	9
27	B.A (HONS.) MATHEMATICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	B.A (HONS.) MUSIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	B.A. (HUMANITIES & SOCIAL SCIENCE)	2	1	3	4	0	4	3	1	4	0	0	0	0	0	0	9	2	11
30	B. VOC PRINTING & TECHNOLOGY	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
31	B.VOC WEB DESIGNING	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
32	B.VOC WEB BANKING	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	2	1	3
33	B.VOC WEB SOFTWARE	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2
34	B.COM (HONS.)	89	51	140	84	52	136	84	49	133	0	0	0	0	0	0	257	152	409
35	B.COM	164	70	234	133	79	212	143	71	214	0	0	0	0	0	0	440	220	660
36	B.B.S (B. BUSINESS STUDIES)	0	0	0	3	0	3	1	1	2	0	0	0	0	0	0	4	1	5
37	B. MANAGEMENT STUDIES	10	2	12	11	7	18	6	10	16	0	0	0	0	0	0	27	19	46
38	B.F.I.A (B. FINANCIAL INVESTMENT & ANALYSIS)	2	2	4	1	4	5	3	2	5	0	0	0	0	0	0	6	8	14
39	B.M.M.M.C (B. MASS MEDIA & MASS COMMUNICATION )	0	3	3	0	3	3	0	0	0	0	0	0	0	0	0	0	6	6
40	B.Sc PHYSICAL SCIENCES	43	12	55	21	3	24	19	8	27	0	0	0	0	0	0	83	23	106
41	B.Sc LIFE SCIENCES	28	37	65	22	39	61	25	19	44	0	0	0	0	0	0	75	95	170
42	B.Sc APPLIED PHYSICAL SCIENCES	2	0	2	3	2	5	4	3	7	0	0	0	0	0	0	9	5	14
43	B.Sc APPLIED LIFE SCIENCES	0	0	0	1	1	2	2	0	2	0	0	0	0	0	0	3	1	4
44	B.Sc (G) MATH.SCIENCES	6	2	8	1	1	2	4	4	8	0	0	0	0	0	0	11	7	18
45	B.Sc (HOME SCIENCE)	0	16	16	0	3	3	0	6	6	0	0	0	0	0	0	0	25	25
46	B.Sc (PHYSICAL EDUCATION & SPORTS SCIENCE )	7	1	8	5	0	5	2	3	5	0	0	0	0	0	0	14	4	18



47	B.ELEMENTARY EDUCATION	0	23	23	0	22	22	4	18	22	4	15	19	0	0	0	8	78	86
48	B.Sc (HONS.) MATHEMATICS	50	35	85	43	31	74	39	15	54	0	0	0	0	0	0	132	81	213
49	B.Sc (HONS.) STATISTICS	4	2	6	5	1	6	3	2	5	0	0	0	0	0	0	12	5	17
50	B.Sc (HONS.) COMPUTER SCIENCE	17	4	21	16	4	20	8	2	10	0	0	0	0	0	0	41	10	51
51	B.Sc (HONS.) ANTHROPOLOGY	0	1	1	0	2	2	0	2	2	0	0	0	0	0	0	0	5	5
52	B.Sc (HONS.) BOTANY	24	34	58	14	30	44	14	21	35	0	0	0	0	0	0	52	85	137
53	B.Sc (HONS.) CHEMISTRY	34	13	47	30	18	48	19	18	37	0	0	0	0	0	0	83	49	132
54	B.Sc (HONS.) GEOLOGY	3	0	3	4	1	5	4	2	6	0	0	0	0	0	0	11	3	14
55	B.Sc (HONS.) HOME SCIENCE	0	14	14	0	7	7	0	13	13	0	0	0	0	0	0	0	34	34
56	B.Sc (HONS.) NURSING	0	10	10	0	9	9	0	13	13	0	12	12	0	0	0	0	44	44
57	POST BASIC B.SC. NURSING	0	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	3	3
58	B.Sc (HONS.) PHYSICS	61	18	79	30	15	45	39	9	48	0	0	0	0	0	0	130	42	172
59	B.Sc (HONS.) ZOOLOGY	23	26	49	14	31	45	13	24	37	0	0	0	0	0	0	50	81	131
60	B.Sc (HONS.) POLYMER SCIENCE	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	1	1	2
61	B.Sc (HONS.) BIO-CHEMISTRY	3	6	9	3	5	8	1	0	1	0	0	0	0	0	0	7	11	18
62	B.Sc (HONS.) ELECTORNICS	9	2	11	4	8	12	14	4	18	0	0	0	0	0	0	27	14	41
63	B.Sc (HONS.) MICRO-BIOLOGY	3	7	10	1	1	2	1	5	6	0	0	0	0	0	0	5	13	18
64	B.Sc (HONS.) BIO-MEDICAL SCIENCES	2	4	6	4	4	8	0	3	3	0	0	0	0	0	0	6	11	17
65	B.Sc (HONS.) BIOLOGICAL SCIENCE	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
66	B.Sc (HONS.) FOOD TECHNOLOGY	2	4	6	1	4	5	1	3	4	0	0	0	0	0	0	4	11	15
67	B.Sc (HONS.) INSTRUMENTATION	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
68	B.P.O (B. PROSTHETICS & ORTHOTICS)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
69	B.O.T (B. OCCUPATIONAL THERAPY)	0	1	1	0	0	0	0	1	1	0	1	1	0	0	0	0	3	3
70	B.P.T (B.PHYSIOTHERAPY)	2	3	5	0	2	2	0	5	5	2	2	4	0	0	0	4	12	16
71	B.PHARMA	0	0	0	0	0	0	3	1	4	2	4	6	0	0	0	5	5	10
72	B.Sc (MEDICAL RADIOGRAPHY)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
73	B.F.A (B.FINE ART)	6	6	12	8	3	11	5	4	9	3	5	8	0	0	0	22	18	40
74	B.A.M.S	3	6	9	1	8	9	3	3	6	2	5	7	2	4	6	11	26	37
75	B.U.M.S	0	1	1	1	2	3	4	0	4	0	1	1	2	0	2	7	4	11
76	B.H.M.S	1	1	2	1	7	8	0	1	1	0	3	3	0	4	6	2	16	18
77	M.B.B.S	17	40	57	21	36	57	18	34	52	12	36	48	13	36	49	81	182	263
78	B.D.S	2	1	3	1	3	4	0	2	2	1	1	2	0	0	0	4	7	11
79	B.E.	38	8	46	44	6	50	36	10	46	34	13	47	0	0	0	152	37	189

80	B.TECH (COLLEGES/CIC )	3	0	3	2	1	3	2	1	3	1	0	1	0	0	0	8	2	10
81	B.ED.	6	12	18	3	6	9	0	0	0	0	0	0	0	0	0	9	18	27
82	B.ED. (SPECIAL EDUCATION)	1	2	3	1	3	4	0	0	0	0	0	0	0	0	0	2	5	7
83	B.P.ED. (B. PHYSICAL EDUCATION)	4	0	4	2	2	4	0	0	0	0	0	0	0	0	0	6	2	8
84	LL.B.	111	56	167	66	42	108	56	30	86	0	0	0	0	0	0	233	128	361
85	B. LIBRARY SCIENCE	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5
86	JOURNILISM FOR 5 YEAR	4	1	5	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
87	OTHER CERT./DIP.	22	14	36	0	0	0	0	0	0	0	0	0	0	0	0	22	14	36
<b>TOTAL</b>		<b>1553</b>	<b>1197</b>	<b>2750</b>	<b>1288</b>	<b>1187</b>	<b>2475</b>	<b>1173</b>	<b>999</b>	<b>2172</b>	<b>61</b>	<b>98</b>	<b>159</b>	<b>17</b>	<b>44</b>	<b>63</b>	<b>4092</b>	<b>3525</b>	<b>7617</b>

Statement showing the Course-wise distribution of Post Graduate (Regular) Students on Rolls during the Academic Session 2017-18																		
Post Graduate (Schedule Caste/ Schedule Tribe)																		
Course		Schedule Caste							Schedule Tribe							Total		
	Faculty	Degree		Dip/Cert.		Total			Degree		Dip/Cert.		Total					
	Code	M	F	M	F	M	F	T	M	F	M	F	M	F	T	M	F	T
Arts	AR	216	392	29	16	245	408	653	68	184	2	2	70	186	256	315	594	909
Inter-Disciplinary	ID	30	20	4	0	34	20	54	9	4	3	1	12	5	17	46	25	71
Mathematical Sc.	MA	163	148	0	0	163	148	311	54	64	0	0	54	64	118	217	212	429
Medical Sc.	ME	85	123	3	3	88	126	214	38	70	2	3	40	73	113	128	199	327
Music & Fine Arts	MU	22	11	4	10	26	21	47	2	4	0	0	2	4	6	28	25	53
Science	SC	164	280	2	6	166	286	452	51	88	0	2	51	90	141	217	376	593
Social Science	SS	167	171	9	12	176	183	359	90	92	0	2	90	94	184	266	277	543
App. Soc. Sc & Humanities	HS	0	0	20	15	20	15	35	0	0	6	2	6	2	8	26	17	43
Commerce & Business	CB	97	127	0	0	97	127	224	50	51	0	0	50	51	101	147	178	325
Technology	TE	9	14	0	0	9	14	23	2	2	0	0	2	2	4	11	16	27
Education	ED	11	18	0	0	11	18	29	6	8	0	0	6	8	14	17	26	43
Law	LW	21	5	0	0	21	5	26	6	8	0	0	6	8	14	27	13	40
Management	MG	104	26	0	0	104	26	130	31	16	0	0	31	16	47	135	42	177
<b>Grand Total</b>		<b>1089</b>	<b>1335</b>	<b>71</b>	<b>62</b>	<b>1160</b>	<b>1397</b>	<b>2557</b>	<b>407</b>	<b>591</b>	<b>13</b>	<b>12</b>	<b>420</b>	<b>603</b>	<b>1023</b>	<b>1580</b>	<b>2000</b>	<b>3580</b>

**Statement showing the course-wise distribution of Post graduate (Regular) SC students on rolls during the Academic Session 2017-18**

**Post Graduate (Schedule Caste)**

S.N.	COURSES	I Year			II Year			III Year			IV Year			TOTAL		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M..LIBRARY & INFORMATION SCIENCE	4	2	6	0	0	0	0	0	0	0	0	0	4	2	6
2	M.A. ARABIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	M.A. BENGALI	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
4	M.A. BUDDHIST STUDIES	23	6	29	14	1	15	0	0	0	0	0	0	37	7	44
5	M.A. ENGLISH	13	35	48	15	49	64	0	2	2	0	0	0	28	86	114
6	M.A. FRENCH	3	1	4	0	3	3	0	0	0	0	0	0	3	4	7
7	M.A. GERMAN	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
8	M.A. SPANISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	M.A. HINDI	26	41	67	24	37	61	3	1	4	0	0	0	53	79	132
10	M.A. LINGUISTICS	3	5	8	2	1	3	0	0	0	0	0	0	5	6	11
11	M.A. PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	M.A. PHILOSOPHY	23	46	69	10	32	42	0	0	0	0	0	0	33	78	111
13	M.A. PSYCHOLOGY	6	26	32	4	28	32	0	0	0	0	0	0	10	54	64
14	M.A. APPLIED PSYCHOLOGY	0	3	3	1	3	4	0	0	0	0	0	0	1	6	7
15	M.A. SANSKRIT	23	39	62	9	23	32	1	2	3	0	0	0	33	64	97
16	M.A. HISPANIC	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
17	M.A. TAMIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	M.A. URDU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	M.A. COMPARATIVE INDIAN LANGUAGE AND LITERARY STUDIES	1	1	2	0	0	0	0	0	0	0	0	0	1	1	2
20	M.A. ITALIAN	2	0	2	2	1	3	0	0	0	0	0	0	4	1	5
21	M.A. ECONOMICS	24	10	34	11	4	15	0	0	0	0	0	0	35	14	49
22	M.A. GEOGRAPHY	8	4	12	13	1	14	0	0	0	0	0	0	21	5	26
23	M.A. HISTORY	21	30	51	11	22	33	6	0	6	0	0	0	38	52	90
24	M.A. POLITICAL SCIENCE	22	43	65	20	32	52	6	3	9	0	0	0	48	78	126

25	M.A. SOCIAL WORK	9	4	13	5	4	9	0	0	0	0	0	0	14	8	22
26	M.A. SOCIOLOGY	4	7	11	1	5	6	0	0	0	0	0	0	5	12	17
27	M.A. JAPANESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	M.A. EAST ASIAN STUDIES	3	2	5	3	0	3	0	0	0	0	0	0	6	2	8
29	M.A. LIFE LONG LEARNING & EXTENSION	5	0	5	4	1	5	0	0	0	0	0	0	9	1	10
30	M.A. MATHEMATICS	0	9	9	0	6	6	0	0	0	0	0	0	0	15	15
31	M.A. OPERATIONAL RESEARCH	0	1	1	0	1	1	0	0	0	0	0	0	0	2	2
32	M.A. STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	M.A. ENVIRONMENTAL STUDIES	2	1	3	3	0	3	0	0	0	0	0	0	5	1	6
34	M.A. MUSIC	1	5	6	0	4	4	6	0	6	0	0	0	7	9	16
35	M.A. RUSSIAN	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
36	M.A. PUNJABI	0	2	2	0	1	1	0	0	0	0	0	0	0	3	3
37	M.COM	40	57	97	33	56	89	1	2	3	0	0	0	74	115	189
38	M.B.E. (M. BUSINESS ECONOMICS)	6	2	8	5	1	6	0	0	0	0	0	0	11	3	14
39	MHRD (M.HUMAN RESOURCE & ORGANISATIONAL DEVELOPMENT)	5	4	9	5	4	9	0	0	0	0	0	0	10	8	18
40	MIB (M.INTERNATIONAL BUSINESS )	5	4	9	8	0	8	0	0	0	0	0	0	13	4	17
41	MCA (MASTER OF COMPUTER APPLICATION)	6	1	7	6	2	8	5	1	6	0	0	0	17	4	21
42	MASTER OF MATHEMATICS EDUCATION	1	1	2	1	0	1	0	0	0	0	0	0	2	1	3
43	5 Yr. INTEGRATED M.Sc. IN EARTH SCIENCE	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
44	M.Sc.MATHEMATICS	51	38	89	26	36	62	0	0	0	0	0	0	77	74	151
45	M.Sc.STATISTICS	15	14	29	7	3	10	0	0	0	0	0	0	22	17	39
46	M.Sc.OPERATIONAL RESEARCH	19	13	32	9	11	20	4	2	6	0	0	0	32	26	58
47	M.Sc.APPLIED OPERATIONAL RESEARCH	5	2	7	4	4	8	0	0	0	0	0	0	9	6	15
48	M.Sc.COMPUTER SCIENCE	2	3	5	4	1	5	0	0	0	0	0	0	6	4	10
49	M.Sc.ANTHROPOLOGY	4	1	5	1	4	5	0	0	0	0	0	0	5	5	10
50	M.Sc.BOTANY	1	21	22	3	7	10	1	0	1	0	0	0	5	28	33
51	M.Sc.CHEMISTRY	31	62	93	37	45	82	5	1	6	0	0	0	73	108	181
52	M.Sc.GEOLOGY	3	3	6	5	1	6	0	0	0	0	0	0	8	4	12
53	M.SC. FORENSIC SCIENCE	2	3	5	0	0	0	0	0	0	0	0	0	2	3	5

54	M.Sc.PHYSICS	25	14	39	12	9	21	1	4	5	0	0	0	38	27	65
55	M.Sc.ZOOLOGY	3	25	28	7	17	24	0	1	1	0	0	0	10	43	53
56	M.Sc.HOME SCIENCE	0	11	11	0	19	19	0	0	0	0	0	0	0	30	30
57	M.Sc.BIO-MEDICAL SCIENCE	0	5	5	3	3	6	0	0	0	0	0	0	3	8	11
58	M.Sc.ENVIRONMENTAL STUDIES	4	1	5	1	3	4	0	0	0	0	0	0	5	4	9
59	M.Sc.BIO-CHEMISTRY	0	3	3	0	2	2	0	0	0	0	0	0	0	5	5
60	M.Sc.ELECTRONICS	4	0	4	3	2	5	0	0	0	0	0	0	7	2	9
61	M.Sc.GENETICS	1	1	2	2	1	3	0	0	0	0	0	0	3	2	5
62	M.Sc.MICROBIOLOGY	0	2	2	1	0	1	0	0	0	0	0	0	1	2	3
63	M.Sc.PLANT MOLECULAR BIOLOGY	0	1	1	0	2	2	0	0	0	0	0	0	0	3	3
64	M.Sc.INFORMATICS AND COMMUNICATION	8	0	8	5	2	7	0	0	0	0	0	0	13	2	15
65	M.Sc.MEDICAL IMAGING TECHNOLOGY & RADIOGRAPHY	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
66	M.SC. FABRIC AND APPAREL SCIENCE	0	3	3	0	2	2	0	0	0	0	0	0	0	5	5
67	M.SC. FOOD & NUTRITION	0	2	2	0	3	3	0	0	0	0	0	0	0	5	5
68	M. PHARMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	M. NURSING	0	6	6	0	6	6	0	0	0	0	0	0	0	12	12
70	M.F.A. (M. FINE ART)	6	2	8	9	0	9	0	0	0	0	0	0	15	2	17
71	M.P.T. (M. PHYSIOTHERAPY)	0	0	0	1	2	3	1	1	2	0	0	0	2	3	5
72	M.TECH.(SCIENCE)	4	2	6	5	7	12	0	0	0	0	0	0	9	9	18
73	M.TECH (MICROWAVE ELECTRONICS)	5	2	7	1	2	3	0	0	0	0	0	0	6	4	10
74	M.Ed.(FULL TIME)	2	7	9	1	7	8	0	0	0	0	0	0	3	14	17
75	M.Ed.(PART TIME )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	M.P.ED. (MASTER OF PHYSICAL EDUCATIION)	3	3	6	5	1	6	0	0	0	0	0	0	8	4	12
77	LL.M.(TWO YEAR )	5	3	8	3	0	3	0	0	0	0	0	0	8	3	11
78	LL.M.(THREE YEAR)	4	1	5	4	1	5	5	0	5	0	0	0	13	2	15
79	M.B.A.(FULL TIME 2 Yr.)	23	7	30	25	5	30	0	0	0	0	0	0	48	12	60
80	M.B.A.(F/T) MANAGEMENT OF SERVICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	M.B.A. EXECUTIVE 2 Yr.	20	3	23	15	2	17	0	0	0	0	0	0	35	5	40
82	M.B.A. EXECUTIVE (HCA 2 Yr.)	1	2	3	3	3	6	0	0	0	0	0	0	4	5	9

83	M.B.A.(PART TIME 3 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	M.B.A.(H.C.A. 3Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	M.B.A. (FINANCIAL MANAGEMENT)	4	1	5	2	0	2	0	0	0	0	0	0	6	1	7
86	MDS (M. IN DENTAL SURGERY)	2	3	5	0	3	3	0	1	1	0	0	0	2	7	9
87	MEDICAL DEGREE/DIPLOMA	30	36	66	26	37	63	23	38	61	0	0	0	79	111	190
88	DIPLOMA/CERTIFICATE	56	47	103	15	15	30	0	0	0	0	0	0	71	62	133
89	M.PHIL.	38	45	83	43	38	81	0	0	0	0	0	0	81	83	164
90	PH.D.	65	53	118	214	210	424	0	0	0	0	0	0	279	263	542
Total		737	844	1581	714	839	1553	68	59	127	1	1	2	1520	1743	3263

**Statement showing the course-wise distribution of post graduate (Regular) ST students on rolls during the Academic Session 2017-18**

**Post Graduate (Schedule Tribe)**

S.N.	COURSES	I Year			II Year			III Year			IV Year			TOTAL		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M..LIBRARY & INFORMATION SCIENCE	2	2	4	0	0	0	0	0	0	0	0	0	2	2	4
2	M.A. ARABIC	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
3	M.A. BENGALI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	M.A. BUDDHIST STUDIES	10	5	15	2	4	6	0	0	0	0	0	0	12	9	21
5	M.A. ENGLISH	2	21	23	6	25	31	0	3	3	0	0	0	8	49	57
6	M.A. FRENCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	M.A. GERMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	M.A. SPANISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	M.A. HINDI	11	15	26	5	13	18	1	1	2	0	0	0	17	29	46
10	M.A. LINGUISTICS	3	1	4	0	2	2	0	0	0	0	0	0	3	3	6
11	M.A. PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	M.A. PHILOSOPHY	10	30	40	6	25	31	1	0	1	0	0	0	17	55	72
13	M.A. PSYCHOLOGY	2	12	14	0	16	16	0	0	0	0	0	0	2	28	30
14	M.A. APPLIED PSYCHOLOGY	1	0	1	0	2	2	0	0	0	0	0	0	1	2	3
15	M.A. SANSKRIT	2	4	6	1	0	1	0	0	0	0	0	0	3	4	7
16	M.A. HISPANIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	M.A. TAMIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	M.A. URDU	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2
19	M.A. COMPARATIVE INDIAN LANGUAGE AND LITERARY STUDIES	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
20	M.A. ITALIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	M.A. ECONOMICS	10	7	17	2	1	3	0	0	0	0	0	0	12	8	20
22	M.A. GEOGRAPHY	4	2	6	5	2	7	0	0	0	0	0	0	9	4	13



23	M.A. HISTORY	14	14	28	7	9	16	3	0	3	0	0	0	24	23	47
24	M.A. POLITICAL SCIENCE	19	20	39	9	18	27	4	0	4	0	0	0	32	38	70
25	M.A. SOCIAL WORK	2	4	6	3	1	4	0	0	0	0	0	0	5	5	10
26	M.A. SOCIOLOGY	2	4	6	2	4	6	0	0	0	0	0	0	4	8	12
27	M.A. JAPANESE	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
28	M.A. EAST ASIAN STUDIES	3	1	4	0	4	4	0	0	0	0	0	0	3	5	8
29	M.A. LIFE LONG LEARNING & EXTENSION	3	0	3	1	1	2	0	0	0	0	0	0	4	1	5
30	M.A. MATHEMATICS	0	4	4	0	2	2	0	0	0	0	0	0	0	6	6
31	M.A. OPERATIONAL RESEARCH	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
32	M.A. STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	M.A. ENVIRONMENTAL STUDIES	1	0	1	2	0	2	0	0	0	0	0	0	3	0	3
34	M.A. MUSIC	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
35	M.A. RUSSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	M.A. PUNJABI	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
37	M.COM	24	22	46	12	24	36	0	0	0	0	0	0	36	46	82
38	M.B.E. (M. BUSINESS ECONOMICS)	1	1	2	1	1	2	0	0	0	0	0	0	2	2	4
39	MHRD (M.HUMAN RESOURCE & ORGANISATIONAL DEVELOPMENT)	3	2	5	3	1	4	0	0	0	0	0	0	6	3	9
40	MIB (M.INTERNATIONAL BUSINESS )	3	2	5	5	0	5	0	0	0	0	0	0	8	2	10
41	MCA (MASTER OF COMPUTER APPLICATION)	2	1	3	2	0	2	1	0	1	0	0	0	5	1	6
42	MASTER OF MATHEMATICS EDUCATION	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
43	5 Yr. INTEGRATED M.Sc. IN EARTH SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	M.Sc.MATHEMATICS	26	26	52	6	14	20	1	0	1	0	0	0	33	40	73
45	M.Sc.STATISTICS	4	6	10	0	1	1	0	0	0	0	0	0	4	7	11
46	M.Sc.OPERATIONAL RESEARCH	5	4	9	4	3	7	0	0	0	0	0	0	9	7	16
47	M.Sc.APPLIED OPERATIONAL RESEARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	M.Sc.COMPUTER SCIENCE	3	1	4	0	0	0	0	0	0	0	0	0	3	1	4

49	M.Sc.ANTHROPOLOGY	0	2	2	0	3	3	0	0	0	0	0	0	0	5	5
50	M.Sc.BOTANY	3	9	12	1	2	3	1	0	1	0	0	0	5	11	16
51	M.Sc.CHEMISTRY	11	11	22	2	8	10	0	2	2	0	0	0	13	21	34
52	M.Sc.GEOLOGY	1	1	2	0	2	2	0	0	0	0	0	0	1	3	4
53	M.SC. FORENSIC SCIENCE	1	2	3	0	0	0	0	0	0	0	0	0	1	2	3
54	M.Sc.PHYSICS	15	2	17	0	3	3	2	1	3	0	0	0	17	6	23
55	M.Sc.ZOOLOGY	1	13	14	4	9	13	1	0	1	0	0	0	6	22	28
56	M.Sc.HOME SCIENCE	0	5	5	0	3	3	0	0	0	0	0	0	0	8	8
57	M.Sc.BIO-MEDICAL SCIENCE	0	0	0	0	3	3	0	0	0	0	0	0	0	3	3
58	M.Sc.ENVIRONMENTAL STUDIES	1	1	2	1	1	2	0	0	0	0	0	0	2	2	4
59	M.Sc.BIO-CHEMISTRY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	M.Sc.ELECTRONICS	1	0	1	2	0	2	0	0	0	0	0	0	3	0	3
61	M.Sc.GENETICS	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
62	M.Sc.MICROBIOLOGY	0	1	1	0	1	1	0	0	0	0	0	0	0	2	2
63	M.Sc.PLANT MOLECULAR BIOLOGY	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
64	M.Sc.INFORMATICS AND COMMUNICATION	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
65	M.Sc.MEDICAL IMAGING TECHNOLOGY & RADIOGRAPHY	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
66	M.SC. FABRIC AND APPAREL SCIENCE	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
67	M.SC. FOOD & NUTRITION	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
68	M. PHARMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	M. NURSING	0	2	2	0	2	2	0	0	0	0	0	0	0	4	4
70	M.F.A. (M. FINE ART)	2	1	3	0	2	2	0	0	0	0	0	0	2	3	5
71	M.P.T. (M. PHYSIOTHERAPY)	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
72	M.TECH.(SCIENCE)	1	0	1	1	1	2	0	0	0	0	0	0	2	1	3
73	M.TECH (MICROWAVE ELECTRONICS)	3	0	3	1	1	2	0	0	0	0	0	0	4	1	5
74	M.Ed.(FULL TIME)	0	4	4	1	3	4	0	0	0	0	0	0	1	7	8

75	M.Ed.(PART TIME )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	M.P.ED. (MASTER OF PHYSICAL EDUCATIION)	2	1	3	3	0	3	0	0	0	0	0	0	5	1	6
77	LL.M.(TWO YEAR )	1	3	4	1	2	3	0	0	0	0	0	0	2	5	7
78	LL.M.(THREE YEAR)	2	2	4	0	0	0	2	1	3	0	0	0	4	3	7
79	M.B.A.(FULL TIME 2 Yr.)	10	5	15	8	7	15	0	0	0	0	0	0	18	12	30
80	M.B.A.(F/T) MANAGEMENT OF SERVICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	M.B.A. EXECUTIVE 2 Yr.	4	0	4	4	0	4	0	0	0	0	0	0	8	0	8
82	M.B.A. EXECUTIVE (HCA 2 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	M.B.A.(PART TIME 3 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	M.B.A.(H.C.A. 3Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	M.B.A. (FINANCIAL MANAGEMENT)	3	0	3	0	2	2	0	0	0	0	0	0	3	2	5
86	MDS (M. IN DENTAL SURGERY)	0	0	0	1	0	1	0	1	1	0	0	0	1	1	2
87	MEDICAL DEGREE/DIPLOMA	13	28	41	10	17	27	11	21	32	0	0	0	34	66	100
88	DIPLOMA/CERTIFICATE	9	7	16	4	2	6	0	0	0	0	0	0	13	9	22
89	M.PHIL.	23	17	40	16	16	32	0	0	0	0	0	0	39	33	72
90	PH.D.	32	15	47	80	165	245	0	0	0	0	0	0	112	180	292
<b>Total</b>		<b>316</b>	<b>346</b>	<b>662</b>	<b>226</b>	<b>436</b>	<b>662</b>	<b>29</b>	<b>31</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>571</b>	<b>813</b>	<b>1384</b>

**Statement showing the course-wise distribution of Post graduate (Regular) SC students on rolls during the Academic Session 2017-18**

**Post Graduate (Schedule Caste)**

S.N.	COURSES	I Year			II Year			III Year			IV Year			TOTAL		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M..LIBRARY & INFORMATION SCIENCE	4	2	6	0	0	0	0	0	0	0	0	0	4	2	6
2	M.A. ARABIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	M.A. BENGALI	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
4	M.A. BUDDHIST STUDIES	23	6	29	14	1	15	0	0	0	0	0	0	37	7	44
5	M.A. ENGLISH	13	35	48	15	49	64	0	2	2	0	0	0	28	86	114
6	M.A. FRENCH	3	1	4	0	3	3	0	0	0	0	0	0	3	4	7
7	M.A. GERMAN	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
8	M.A. SPANISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	M.A. HINDI	26	41	67	24	37	61	3	1	4	0	0	0	53	79	132
10	M.A. LINGUISTICS	3	5	8	2	1	3	0	0	0	0	0	0	5	6	11
11	M.A. PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	M.A. PHILOSOPHY	23	46	69	10	32	42	0	0	0	0	0	0	33	78	111
13	M.A. PSYCHOLOGY	6	26	32	4	28	32	0	0	0	0	0	0	10	54	64
14	M.A. APPLIED PSYCHOLOGY	0	3	3	1	3	4	0	0	0	0	0	0	1	6	7
15	M.A. SANSKRIT	23	39	62	9	23	32	1	2	3	0	0	0	33	64	97
16	M.A. HISPANIC	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
17	M.A. TAMIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	M.A. URDU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	M.A. COMPARATIVE INDIAN LANGUAGE AND LITERARY STUDIES	1	1	2	0	0	0	0	0	0	0	0	0	1	1	2
20	M.A. ITALIAN	2	0	2	2	1	3	0	0	0	0	0	0	4	1	5
21	M.A. ECONOMICS	24	10	34	11	4	15	0	0	0	0	0	0	35	14	49
22	M.A. GEOGRAPHY	8	4	12	13	1	14	0	0	0	0	0	0	21	5	26
23	M.A. HISTORY	21	30	51	11	22	33	6	0	6	0	0	0	38	52	90
24	M.A. POLITICAL SCIENCE	22	43	65	20	32	52	6	3	9	0	0	0	48	78	126

25	M.A. SOCIAL WORK	9	4	13	5	4	9	0	0	0	0	0	0	14	8	22
26	M.A. SOCIOLOGY	4	7	11	1	5	6	0	0	0	0	0	0	5	12	17
27	M.A. JAPANESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	M.A. EAST ASIAN STUDIES	3	2	5	3	0	3	0	0	0	0	0	0	6	2	8
29	M.A. LIFE LONG LEARNING & EXTENSION	5	0	5	4	1	5	0	0	0	0	0	0	9	1	10
30	M.A. MATHEMATICS	0	9	9	0	6	6	0	0	0	0	0	0	0	15	15
31	M.A. OPERATIONAL RESEARCH	0	1	1	0	1	1	0	0	0	0	0	0	0	2	2
32	M.A. STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	M.A. ENVIRONMENTAL STUDIES	2	1	3	3	0	3	0	0	0	0	0	0	5	1	6
34	M.A. MUSIC	1	5	6	0	4	4	6	0	6	0	0	0	7	9	16
35	M.A. RUSSIAN	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
36	M.A. PUNJABI	0	2	2	0	1	1	0	0	0	0	0	0	0	3	3
37	M.COM	40	57	97	33	56	89	1	2	3	0	0	0	74	115	189
38	M.B.E. (M. BUSINESS ECONOMICS)	6	2	8	5	1	6	0	0	0	0	0	0	11	3	14
39	MHRD (M.HUMAN RESOURCE & ORGANISATIONAL DEVELOPMENT)	5	4	9	5	4	9	0	0	0	0	0	0	10	8	18
40	MIB (M.INTERNATIONAL BUSINESS )	5	4	9	8	0	8	0	0	0	0	0	0	13	4	17
41	MCA (MASTER OF COMPUTER APPLICATION)	6	1	7	6	2	8	5	1	6	0	0	0	17	4	21
42	MASTER OF MATHEMATICS EDUCATION	1	1	2	1	0	1	0	0	0	0	0	0	2	1	3
43	5 Yr. INTEGRATED M.Sc. IN EARTH SCIENCE	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
44	M.Sc.MATHEMATICS	51	38	89	26	36	62	0	0	0	0	0	0	77	74	151
45	M.Sc.STATISTICS	15	14	29	7	3	10	0	0	0	0	0	0	22	17	39
46	M.Sc.OPERATIONAL RESEARCH	19	13	32	9	11	20	4	2	6	0	0	0	32	26	58
47	M.Sc.APPLIED OPERATIONAL RESEARCH	5	2	7	4	4	8	0	0	0	0	0	0	9	6	15
48	M.Sc.COMPUTER SCIENCE	2	3	5	4	1	5	0	0	0	0	0	0	6	4	10
49	M.Sc.ANTHROPOLOGY	4	1	5	1	4	5	0	0	0	0	0	0	5	5	10
50	M.Sc.BOTANY	1	21	22	3	7	10	1	0	1	0	0	0	5	28	33
51	M.Sc.CHEMISTRY	31	62	93	37	45	82	5	1	6	0	0	0	73	108	181
52	M.Sc.GEOLOGY	3	3	6	5	1	6	0	0	0	0	0	0	8	4	12
53	M.SC. FORENSIC SCIENCE	2	3	5	0	0	0	0	0	0	0	0	0	2	3	5

54	M.Sc.PHYSICS	25	14	39	12	9	21	1	4	5	0	0	0	38	27	65
55	M.Sc.ZOOLOGY	3	25	28	7	17	24	0	1	1	0	0	0	10	43	53
56	M.Sc.HOME SCIENCE	0	11	11	0	19	19	0	0	0	0	0	0	0	30	30
57	M.Sc.BIO-MEDICAL SCIENCE	0	5	5	3	3	6	0	0	0	0	0	0	3	8	11
58	M.Sc.ENVIRONMENTAL STUDIES	4	1	5	1	3	4	0	0	0	0	0	0	5	4	9
59	M.Sc.BIO-CHEMISTRY	0	3	3	0	2	2	0	0	0	0	0	0	0	5	5
60	M.Sc.ELECTRONICS	4	0	4	3	2	5	0	0	0	0	0	0	7	2	9
61	M.Sc.GENETICS	1	1	2	2	1	3	0	0	0	0	0	0	3	2	5
62	M.Sc.MICROBIOLOGY	0	2	2	1	0	1	0	0	0	0	0	0	1	2	3
63	M.Sc.PLANT MOLECULAR BIOLOGY	0	1	1	0	2	2	0	0	0	0	0	0	0	3	3
64	M.Sc.INFORMATICS AND COMMUNICATION	8	0	8	5	2	7	0	0	0	0	0	0	13	2	15
65	M.Sc.MEDICAL IMAGING TECHNOLOGY & RADIOGRAPHY	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
66	M.SC. FABRIC AND APPAREL SCIENCE	0	3	3	0	2	2	0	0	0	0	0	0	0	5	5
67	M.SC. FOOD & NUTRITION	0	2	2	0	3	3	0	0	0	0	0	0	0	5	5
68	M. PHARMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	M. NURSING	0	6	6	0	6	6	0	0	0	0	0	0	0	12	12
70	M.F.A. (M. FINE ART)	6	2	8	9	0	9	0	0	0	0	0	0	15	2	17
71	M.P.T. (M. PHYSIOTHERAPY)	0	0	0	1	2	3	1	1	2	0	0	0	2	3	5
72	M.TECH.(SCIENCE)	4	2	6	5	7	12	0	0	0	0	0	0	9	9	18
73	M.TECH (MICROWAVE ELECTRONICS)	5	2	7	1	2	3	0	0	0	0	0	0	6	4	10
74	M.Ed.(FULL TIME)	2	7	9	1	7	8	0	0	0	0	0	0	3	14	17
75	M.Ed.(PART TIME )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	M.P.ED. (MASTER OF PHYSICAL EDUCATIION)	3	3	6	5	1	6	0	0	0	0	0	0	8	4	12
77	LL.M.(TWO YEAR )	5	3	8	3	0	3	0	0	0	0	0	0	8	3	11
78	LL.M.(THREE YEAR)	4	1	5	4	1	5	5	0	5	0	0	0	13	2	15
79	M.B.A.(FULL TIME 2 Yr.)	23	7	30	25	5	30	0	0	0	0	0	0	48	12	60
80	M.B.A.(F/T) MANAGEMENT OF SERVICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	M.B.A. EXECUTIVE 2 Yr.	20	3	23	15	2	17	0	0	0	0	0	0	35	5	40
82	M.B.A. EXECUTIVE (HCA 2 Yr.)	1	2	3	3	3	6	0	0	0	0	0	0	4	5	9

83	M.B.A.(PART TIME 3 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	M.B.A.(H.C.A. 3Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	M.B.A. (FINANCIAL MANAGEMENT)	4	1	5	2	0	2	0	0	0	0	0	0	6	1	7
86	MDS (M. IN DENTAL SURGERY)	2	3	5	0	3	3	0	1	1	0	0	0	2	7	9
87	MEDICAL DEGREE/DIPLOMA	30	36	66	26	37	63	23	38	61	0	0	0	79	111	190
88	DIPLOMA/CERTIFICATE	56	47	103	15	15	30	0	0	0	0	0	0	71	62	133
89	M.PHIL.	38	45	83	43	38	81	0	0	0	0	0	0	81	83	164
90	PH.D.	65	53	118	214	210	424	0	0	0	0	0	0	279	263	542
Total		737	844	1581	714	839	1553	68	59	127	1	1	2	1520	1743	3263

**Statement showing the course-wise distribution of post graduate (Regular) ST students on rolls during the Academic Session 2017-18**

**Post Graduate (Schedule Tribe)**

S.N.	COURSES	<u>I Year</u>			<u>II Year</u>			<u>III Year</u>			<u>IV Year</u>			<u>TOTAL</u>		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	M..LIBRARY & INFORMATION SCIENCE	2	2	4	0	0	0	0	0	0	0	0	0	2	2	4
2	M.A. ARABIC	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
3	M.A. BENGALI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	M.A. BUDDHIST STUDIES	10	5	15	2	4	6	0	0	0	0	0	0	12	9	21
5	M.A. ENGLISH	2	21	23	6	25	31	0	3	3	0	0	0	8	49	57
6	M.A. FRENCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	M.A. GERMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	M.A. SPANISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	M.A. HINDI	11	15	26	5	13	18	1	1	2	0	0	0	17	29	46
10	M.A. LINGUISTICS	3	1	4	0	2	2	0	0	0	0	0	0	3	3	6
11	M.A. PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	M.A. PHILOSOPHY	10	30	40	6	25	31	1	0	1	0	0	0	17	55	72
13	M.A. PSYCHOLOGY	2	12	14	0	16	16	0	0	0	0	0	0	2	28	30
14	M.A. APPLIED PSYCHOLOGY	1	0	1	0	2	2	0	0	0	0	0	0	1	2	3
15	M.A. SANSKRIT	2	4	6	1	0	1	0	0	0	0	0	0	3	4	7
16	M.A. HISPANIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	M.A. TAMIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	M.A. URDU	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2
19	M.A. COMPARATIVE INDIAN LANGUAGE AND LITERARY STUDIES	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
20	M.A. ITALIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	M.A. ECONOMICS	10	7	17	2	1	3	0	0	0	0	0	0	12	8	20
22	M.A. GEOGRAPHY	4	2	6	5	2	7	0	0	0	0	0	0	9	4	13



23	M.A. HISTORY	14	14	28	7	9	16	3	0	3	0	0	0	24	23	47
24	M.A. POLITICAL SCIENCE	19	20	39	9	18	27	4	0	4	0	0	0	32	38	70
25	M.A. SOCIAL WORK	2	4	6	3	1	4	0	0	0	0	0	0	5	5	10
26	M.A. SOCIOLOGY	2	4	6	2	4	6	0	0	0	0	0	0	4	8	12
27	M.A. JAPANESE	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
28	M.A. EAST ASIAN STUDIES	3	1	4	0	4	4	0	0	0	0	0	0	3	5	8
29	M.A. LIFE LONG LEARNING & EXTENSION	3	0	3	1	1	2	0	0	0	0	0	0	4	1	5
30	M.A. MATHEMATICS	0	4	4	0	2	2	0	0	0	0	0	0	0	6	6
31	M.A. OPERATIONAL RESEARCH	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
32	M.A. STATISTICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	M.A. ENVIRONMENTAL STUDIES	1	0	1	2	0	2	0	0	0	0	0	0	3	0	3
34	M.A. MUSIC	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
35	M.A. RUSSIAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	M.A. PUNJABI	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
37	M.COM	24	22	46	12	24	36	0	0	0	0	0	0	36	46	82
38	M.B.E. (M. BUSINESS ECONOMICS)	1	1	2	1	1	2	0	0	0	0	0	0	2	2	4
39	MHRD (M.HUMAN RESOURCE & ORGANISATIONAL DEVELOPMENT)	3	2	5	3	1	4	0	0	0	0	0	0	6	3	9
40	MIB (M.INTERNATIONAL BUSINESS )	3	2	5	5	0	5	0	0	0	0	0	0	8	2	10
41	MCA (MASTER OF COMPUTER APPLICATION)	2	1	3	2	0	2	1	0	1	0	0	0	5	1	6
42	MASTER OF MATHEMATICS EDUCATION	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
43	5 Yr. INTEGRATED M.Sc. IN EARTH SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	M.Sc.MATHEMATICS	26	26	52	6	14	20	1	0	1	0	0	0	33	40	73
45	M.Sc.STATISTICS	4	6	10	0	1	1	0	0	0	0	0	0	4	7	11
46	M.Sc.OPERATIONAL RESEARCH	5	4	9	4	3	7	0	0	0	0	0	0	9	7	16
47	M.Sc.APPLIED OPERATIONAL RESEARCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	M.Sc.COMPUTER SCIENCE	3	1	4	0	0	0	0	0	0	0	0	0	3	1	4

49	M.Sc.ANTHROPOLOGY	0	2	2	0	3	3	0	0	0	0	0	0	0	5	5
50	M.Sc.BOTANY	3	9	12	1	2	3	1	0	1	0	0	0	5	11	16
51	M.Sc.CHEMISTRY	11	11	22	2	8	10	0	2	2	0	0	0	13	21	34
52	M.Sc.GEOLOGY	1	1	2	0	2	2	0	0	0	0	0	0	1	3	4
53	M.SC. FORENSIC SCIENCE	1	2	3	0	0	0	0	0	0	0	0	0	1	2	3
54	M.Sc.PHYSICS	15	2	17	0	3	3	2	1	3	0	0	0	17	6	23
55	M.Sc.ZOOLOGY	1	13	14	4	9	13	1	0	1	0	0	0	6	22	28
56	M.Sc.HOME SCIENCE	0	5	5	0	3	3	0	0	0	0	0	0	0	8	8
57	M.Sc.BIO-MEDICAL SCIENCE	0	0	0	0	3	3	0	0	0	0	0	0	0	3	3
58	M.Sc.ENVIRONMENTAL STUDIES	1	1	2	1	1	2	0	0	0	0	0	0	2	2	4
59	M.Sc.BIO-CHEMISTRY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	M.Sc.ELECTRONICS	1	0	1	2	0	2	0	0	0	0	0	0	3	0	3
61	M.Sc.GENETICS	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
62	M.Sc.MICROBIOLOGY	0	1	1	0	1	1	0	0	0	0	0	0	0	2	2
63	M.Sc.PLANT MOLECULAR BIOLOGY	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
64	M.Sc.INFORMATICS AND COMMUNICATION	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
65	M.Sc.MEDICAL IMAGING TECHNOLOGY & RADIOGRAPHY	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
66	M.SC. FABRIC AND APPAREL SCIENCE	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
67	M.SC. FOOD & NUTRITION	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
68	M. PHARMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	M. NURSING	0	2	2	0	2	2	0	0	0	0	0	0	0	4	4
70	M.F.A. (M. FINE ART)	2	1	3	0	2	2	0	0	0	0	0	0	2	3	5
71	M.P.T. (M. PHYSIOTHERAPY)	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
72	M.TECH.(SCIENCE)	1	0	1	1	1	2	0	0	0	0	0	0	2	1	3
73	M.TECH (MICROWAVE ELECTRONICS)	3	0	3	1	1	2	0	0	0	0	0	0	4	1	5
74	M.Ed.(FULL TIME)	0	4	4	1	3	4	0	0	0	0	0	0	1	7	8

75	M.Ed.(PART TIME )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	M.P.ED. (MASTER OF PHYSICAL EDUCATIION)	2	1	3	3	0	3	0	0	0	0	0	0	5	1	6
77	LL.M.(TWO YEAR )	1	3	4	1	2	3	0	0	0	0	0	0	2	5	7
78	LL.M.(THREE YEAR)	2	2	4	0	0	0	2	1	3	0	0	0	4	3	7
79	M.B.A.(FULL TIME 2 Yr.)	10	5	15	8	7	15	0	0	0	0	0	0	18	12	30
80	M.B.A.(F/T) MANAGEMENT OF SERVICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	M.B.A. EXECUTIVE 2 Yr.	4	0	4	4	0	4	0	0	0	0	0	0	8	0	8
82	M.B.A. EXECUTIVE (HCA 2 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	M.B.A.(PART TIME 3 Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	M.B.A.(H.C.A. 3Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	M.B.A. (FINANCIAL MANAGEMENT)	3	0	3	0	2	2	0	0	0	0	0	0	3	2	5
86	MDS (M. IN DENTAL SURGERY)	0	0	0	1	0	1	0	1	1	0	0	0	1	1	2
87	MEDICAL DEGREE/DIPLOMA	13	28	41	10	17	27	11	21	32	0	0	0	34	66	100
88	DIPLOMA/CERTIFICATE	9	7	16	4	2	6	0	0	0	0	0	0	13	9	22
89	M.PHIL.	23	17	40	16	16	32	0	0	0	0	0	0	39	33	72
90	PH.D.	32	15	47	80	165	245	0	0	0	0	0	0	112	180	292
<b>Total</b>		<b>316</b>	<b>346</b>	<b>662</b>	<b>226</b>	<b>436</b>	<b>662</b>	<b>29</b>	<b>31</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>571</b>	<b>813</b>	<b>1384</b>

**Statement showing the Department/Faculty-wise distribution of M.Phil. Enrolment of SC candidates for the year 2017-18**

S.NO.	DEPARTMENT	ADMITTED		ON-ROLLS		TOTAL		
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	TOTAL
1	ADULT CONT. EDU. & EXT.	3	0	0	1	3	1	4
2	AFRICAN STUDIES	2	1	7	2	9	3	12
3	(ANTHROPOLOGY	1	1	0	0	1	1	2
4	ARABIC	0	0	0	0	0	0	0
5	ACBR	0	0	0	0	0	0	0
6	BIO-CHEMISTRY	0	0	0	0	0	0	0
7	BOTANY	0	1	0	0	0	1	1
8	COMMERCE	0	3	2	2	2	5	7
9	COMPUTER SCIENCE	0	0	0	0	0	0	0
10	EDUCATION	1	4	2	2	3	6	9
11	FINANCIAL STUDIES	0	0	0	0	0	0	0
12	GENETICS	0	0	0	0	0	0	0
13	GEOGRAPHY	1	0	3	2	4	2	6
14	GEOLOGY	2	1	3	1	5	2	7
15	HISTORY	3	1	0	6	3	7	10
16	LIBRARY & INFORMATION SCIENCE	1	1	0	0	1	1	2
17	LINGUISTICS	1	1	0	0	1	1	2
18	MATHEMATICS	2	1	0	0	2	1	3
19	MICRO-BIOLOGY	0	0	0	0	0	0	0
20	MIL & LS	0	2	0	2	0	4	4
21	MUSIC	0	2	3	1	3	3	6
22	PERSIAN	1	0	0	1	1	1	2
23	PHILOSOPHY	3	1	0	0	3	1	4
24	PLANT MOLECULAR BIOLOGY	0	0	0	0	0	0	0
25	PSYCHOLOGY	0	0	0	0	0	0	0
26	PUNJABI	1	2	4	3	5	5	10
27	SANSKRIT	2	6	3	1	5	7	12
28	SLAVONIC & FINNO UGRAN STUD.	0	0	0	0	0	0	0
29	SOCIAL WORK	2	1	1	1	3	2	5
30	SOCIOLOGY	0	4	2	2	2	6	8
31	STATISTICS	0	0	0	0	0	0	0

32	URDU	0	1	1	1	1	2	3
33	ZOOLOGY	0	0	1	1	1	1	2
34	ENGLISH	1	5	2	5	3	10	13
35	GERMANIC & ROMANCE STUD.	3	0	0	0	3	0	3
36	HINDI	2	2	3	1	5	3	8
37	POLITICAL SCIENCE	3	1	1	3	4	4	8
38	BUDDHIST STUDIES	2	2	3	0	5	2	7
39	ECONOMICS	0	0	0	0	0	0	0
40	EAST ASIAN STUDIES	0	0	0	0	0	0	0
41	BUSINESS ECONOMICS	0	0	0	0	0	0	0
42	FACULTY OF MANAGEMENT SCIENCE	0	0	0	0	0	0	0
43	LAW	0	0	0	0	0	0	0
44	ENVIRONMENTAL SCIENCE	0	0	0	0	0	0	0
45	OPERATIONAL RESEARCH	1	1	2	0	3	1	4
<b>TOTAL</b>		<b>38</b>	<b>45</b>	<b>43</b>	<b>38</b>	<b>81</b>	<b>83</b>	<b>164</b>

**Statement showing the Department/Faculty-wise distribution of M.Phil. Enrolment of ST candidates for the year 2017-18**

S.NO.	DEPARTMENT	ADMITTED		ON-ROLLS		TOTAL		
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	TOTAL
1	ADULT CONT. EDU. & EXT.	1	1	0	1	1	2	3
2	AFRICAN STUDIES	2	0	2	1	4	1	5
3	ANTHROPOLOGY	1	0	0	0	1	0	1
4	ARABIC	0	0	1	0	1	0	1
5	ACBR	0	0	0	0	0	0	0
6	BIO-CHEMISTRY	0	0	0	0	0	0	0
7	BOTANY	0	0	0	0	0	0	0
8	COMMERCE	2	0	1	1	3	1	4
9	COMPUTER SCIENCE	0	0	0	0	0	0	0
10	EDUCATION	1	2	0	3	1	5	6
11	FINANCIAL STUDIES	0	0	0	0	0	0	0
12	GENETICS	0	0	0	0	0	0	0
13	GEOGRAPHY	0	0	1	1	1	1	2
14	GEOLOGY	0	1	0	0	0	1	1
15	HISTORY	2	0	1	1	3	1	4
16	LIBRARY & INFORMATION SCIENCE	1	0	0	0	1	0	1
17	LINGUISTICS	0	0	0	1	0	1	1
18	MATHEMATICS	2	0	0	0	2	0	2
19	MICRO-BIOLOGY	0	0	0	0	0	0	0
20	MIL & LS	1	1	0	2	1	3	4
21	MUSIC	0	0	0	0	0	0	0
22	PERSIAN	2	0	1	0	3	0	3
23	PHILOSOPHY	1	1	1	1	2	2	4
24	PLANT MOLECULAR BIOLOGY	0	0	0	0	0	0	0
25	PSYCHOLOGY	0	0	0	0	0	0	0
26	PUNJABI	0	0	0	0	0	0	0
27	SANSKRIT	0	0	0	0	0	0	0

28	SLAVONIC & FINNO UGRAN STUD.	1	0	0	0	1	0	1
29	SOCIAL WORK	0	1	0	1	0	2	2
30	SOCIOLOGY	0	1	2	0	2	1	3
31	STATISTICS	1	0	0	0	1	0	1
32	URDU	1	1	0	0	1	1	2
33	ZOOLOGY	0	0	0	0	0	0	0
34	ENGLISH	2	2	2	1	4	3	7
35	GERMANIC & ROMANCE STUD.	0	1	0	0	0	1	1
36	HINDI	0	2	1	1	1	3	4
37	POLITICAL SCIENCE	0	3	2	0	2	3	5
38	(BUDDHIST STUDIES	2	0	1	1	3	1	4
39	ECONOMICS	0	0	0	0	0	0	0
40	EAST ASIAN STUDIES	0	0	0	0	0	0	0
41	BUSINESS ECONOMICS	0	0	0	0	0	0	0
42	FACULTY OF MANAGEMENT SCIENCE	0	0	0	0	0	0	0
43	LAW	0	0	0	0	0	0	0
44	ENVIRONMENTAL SCIENCE	0	0	0	0	0	0	0
45	OPERATIONAL RESEARCH	0	0	0	0	0	0	0
<b>TOTAL</b>		<b>23</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>39</b>	<b>33</b>	<b>72</b>

**Statement showing the Department/Faculty-wise distribution of Ph.D. Enrolment of SC/ST candidates for the year 2017-18**

S.No.	DEPARTMENT	SCHEDULED CASTE						SCHEDULED TRIBE					
		ADMITTED			ON-ROLLS			ADMITTED			ON-ROLLS		
		M	F	T	M	F	T	M	F	T	M	F	T
1	ADULT CONTINUING EDUCATION & EXTN.	0	0	0	2	0	2	0	0	0	0	0	0
2	AFRICAN STUDIES	3	0	3	5	0	5	0	1	1	1	3	4
3	ANTHROPOLOGY	1	2	3	0	0	0	1	2	3	0	1	1
4	ARABIC	0	0	0	0	0	0	0	0	0	0	0	0
5	DR. B.R. AMBEDKAR BIO-MEDICAL RESEARCH CENTRE	1	3	4	3	6	9	0	1	1	0	1	1
6	BOTANY	0	2	2	3	15	18	0	0	0	2	1	3
7	COMMERCE	2	2	4	3	11	14	2	0	2	4	0	4
8	COMPUTER SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0
9	ECONOMICS	1	0	1	1	0	1	0	0	0	1	0	1
10	ELECTRONIC SCIENCE	0	0	0	2	0	2	0	0	0	0	0	0
11	ENVIRONMENTAL STUDIES	1	0	1	2	1	3	0	0	0	1	0	1
12	FINANCIAL STUDIES	0	0	0	1	0	1	0	0	0	0	0	0
13	GENETICS	0	1	1	1	3	4	0	2	2	0	3	3
14	GEOGRAPHY	1	1	2	3	4	7	0	0	0	1	0	1
15	HISTORY	1	4	5	13	4	17	4	0	4	0	0	0
16	LIBRARY AND INFORMATION SCIENCE	2	1	3	5	2	7	0	1	1	1	3	4
17	LINGUISTICS	0	0	0	1	0	1	0	0	0	0	1	1
18	MATHEMATICS	6	1	7	12	4	16	3	0	3	4	2	6
19	MICROBIOLOGY (SDC)	1	0	1	1	2	3	0	0	0	0	1	1
20	MODERN INDIAN LANGUAGES AND LITERARY STUDIES	0	0	0	3	4	7	0	1	1	1	5	6
21	MUSIC	2	1	3	11	9	20	0	1	1	0	1	1
22	PERSIAN	0	0	0	0	0	0	0	0	0	0	0	0
23	PHILOSOPHY	3	0	3	4	1	5	1	0	1	3	0	3
24	PLANT MOLECULAR BIOLOGY	0	1	1	1	3	4	1	0	1	0	2	2
25	PSYCHOLOGY	1	1	2	5	12	17	1	1	2	4	4	8
26	PUNJABI	1	1	2	10	1	11	0	0	0	0	0	0
27	SLAVONIC & FINNO- UGRIAN STUDIES	0	2	2	0	2	2	0	0	0	0	0	0
28	SOCIAL WORK	3	3	6	5	4	9	4	1	5	6	3	9



29	SOCIOLOGY	0	1	1	4	6	10	1	0	1	2	0	2
30	STATISTICS	0	0	0	0	2	2	0	0	0	0	0	0
31	URDU	1	1	2	8	1	9	2	0	2	6	0	6
32	ZOOLOGY	0	2	2	4	12	16	0	0	0	2	1	3
33	GERMANIC & ROMANCE STUDIES	0	0	0	0	1	1	0	0	0	0	0	0
34	HINDI	3	1	4	7	11	18	2	0	2	4	4	8
35	BUDDHIST STUDIES	3	2	5	11	9	20	3	0	3	6	1	7
36	EAST ASIAN STUDIES	2	0	2	3	0	3	0	1	1	1	4	5
37	MANAGEMENT STUDIES	3	2	5	7	9	16	1	1	2	1	1	2
38	LAW	1	2	3	10	8	18	0	0	0	2	5	7
39	INSTITUTE OF INFORMATICS & COMMUNICATION	1	0	1	2	0	2	0	0	0	0	0	0
40	BIO-PHYSICS	0	0	0	0	0	0	0	0	0	0	0	0
41	PHARMACOLOGY	0	0	0	0	1	1	0	0	0	0	0	0
42	BIOCHEMISTRY	0	2	2	1	3	4	1	0	1	1	0	1
43	CHEMISTRY	7	2	9	18	9	27	0	0	0	3	1	4
44	PHYSICS & ASTRO-PHYSICS	3	2	5	5	5	10	2	0	2	3	0	3
45	GEOLOGY	0	0	0	4	2	6	0	0	0	4	4	8
46	EDUCATION	0	1	1	6	10	16	0	1	1	1	7	8
47	SANSKRIT	5	1	6	13	10	23	1	0	1	2	0	2
48	ENGLISH	1	0	1	4	5	9	1	0	1	2	3	5
49	POLITICAL SCIENCE	1	2	3	4	14	18	0	1	1	9	3	12
50	OPERATIONAL RESEARCH	1	2	3	1	3	4	1	0	1	1	0	1
51	PHYSICAL EDUCATION	1	0	1	5	1	6	0	0	0	1	0	1
52	PULMONARY MEDICINE	1	0	1	0	0	0	0	0	0	0	0	0
53	Pharmacy	1	0	1	0	0	0	0	0	0	0	0	0
54	Home Science	0	4	4	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>		<b>65</b>	<b>53</b>	<b>118</b>	<b>214</b>	<b>210</b>	<b>424</b>	<b>32</b>	<b>15</b>	<b>47</b>	<b>80</b>	<b>65</b>	<b>145</b>