दिल्ली विश्वविद्यालय
University of Delhi

कुलसचिव
REGISTRAR

No. Acad.-I/FOT/2021/01/*893*
05ᵗʰ November, 2021

NOTIFICATION

In order to encourage holistic, multidisciplinary and interdisciplinary approach in education in line with the central theme of National Education Policy – 2020, the University of Delhi has constituted a Committee consisting of the following to deliberate upon establishment of departments under Faculty of Technology in the emerging areas of Engineering & Technology:

1. Prof. D. S. Chauhan,   **– Chairperson**
   Former Vice Chancellor, Uttar Pradesh Technical
   University and Uttrakhand Technical University
2. Dean, Faculty of Technology, DU   – Member
3. Dean, Academic Activities & Projects, DU   – Member
4. Dean, Faculty of Science, DU   – Member
5. Dean, Faculty of Mathematical Sciences, DU   – Member
6. Prof. Madhu Sudan Singh,   – External Expert Member
   Dean, Under Graduate Studies,
   Delhi Technological University
7. Prof. Rajeshwari Pandey,   – External Expert Member
   Associate Dean, Under Graduate Studies,
   Delhi Technological University
8. Joint Registrar, Academic, DU   – Secretary

The Committee shall consider the following issues and formulate a roadmap for implementation of its recommendations:

1. Scope and feasibility of establishment of departments under Faculty of Technology
2. Structure of the departments.
3. Areas of academic endeavour, the departments are required to accomplish.
4. Structure and nomenclature of the courses of study, the departments would envisage to run.
5. Requirement and qualification of the faculty members necessary to smoothly conduct teaching, learning and research in the departments.
6. Any other matter relevant to this subject.

This is issued with the approval of the Competent Authority.

REGISTRAR

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University of Delhi, Delhi-110007
दूरभाष/Tel. : 27667853; फैक्स/Fax : 27666350; वैबसाइट/Website : www.du.ac.in; ईमेल/E-mail : registrar@du.ac.in

MINUTES

A meeting of the committee constituted by the Competent Authority consisting of the following for offering programmes under the existing Departments of the Faculty of Technology in the emerging areas of Engineering & Technology was held on 18.11.2021 at 11:00 a.m. in the Council Room of the University.

Composition of the Committee:

1. Prof. D. S. Chauhan,   -Chairperson
   Former Vice Chancellor, Uttar Pradesh Technical
   University and Uttrakhand Technical University
2. Dean, Faculty of Technology, DU   -Member
3. Dean, Academic Activities & Projects, DU   -Member
4. Dean, Faculty of Science, DU   ...   -Member
   (Nominee Prof. Sunil Sharma, Department of Chemistry)
5. Dean, Faculty of Mathematical Sciences, DU   -Member
6. Prof. Madhusudan Singh,   -External Expert Member
   Dean Academics, Under Graduate Studies,
   Delhi Technological University
7. Prof. Rajeshwari Pandey,   -External Expert Member
   Associate Dean Academics, Under Graduate Studies,
   Delhi Technological University
8. Joint Registrar, Academic, DU   -Secretary

Deliberations of the committee

University of Delhi, a premier Central University in the Country in the penultimate year of its Centenary has taken up the initiative of further expanding its realm of teaching-learning and research under its prestigious Faculty of Technology, in line with the Central theme of National Education Policy 2020.

Faculty of Technology was established in the University as a faculty for teaching-learning and research in the areas of Engineering & Technology in the year 1950 vide Executive Council Resolution No. 80 (ii) dated

31.08.1950 under Statute 9 of the Statute of the University. It is one of the 8 faculties which were established prior to the commencement of the Delhi University (Amendment) Act, 1952.

The Faculty of Technology has following Departments as per Statute 9B of the Statutes of the University-

1. Department of Electrical Engineering- Statute 9B (2)
2. Department of Mechanical Engineering- Statute 9B (3)
3. Department of Civil Engineering- Statute 9B (4)
4. Department of Architecture & Planning- Statute 9B (5)
5. Department of Electronics & Communication Engg.- Statute 9B (48)
6. Department of Applied Sciences & Humanities- Statute 9B (51)
7. Department of Computer Engineering- Statute 9B (52)
8. Department of Instrumentation & Control Engg.- Statute 9B (53)
9. Department of Production & Industrial Engineering- Statute 9B (75)

However, both Delhi College of Engineering (DCE) and Netaji Subhash Institute of Technology (NSIT) which formed integral part of Faculty of Technology became Higher Educational Institutions (HEIs) with the status of Universities by Notifications of the appropriate authorities, thereby severing the umbilical relationship with the University of Delhi over the past years. Presently DCE is known as Delhi Technological University (DTU) with effect from the year 2009 and NSIT is known as Netaji Subhash University of Technology (NSUT) with effect from the year 2018.

These contemporary developments in the present scenario have necessitated revisit of the areas which are fast emerging as dominant areas of teaching-learning and research in the field of Engineering & Technology.

The Central theme of the New Education Policy 2020 envisages a holistic, multidisciplinary and interdisciplinary approach in imparting education with observance of innovative practices and methodologies to encourage the young minds of our nation to explore those areas of knowledge and understanding which not only makes them eligible to be gainfully employed thereby adding to the skilled workforce but also makes them inclined towards conceptualization and implementation of successful startups as well as contribution in the research and development.

Taking a cue from the Central theme of the New Education Policy, the University finds it relevant and appropriate to delve in the emerging areas of Engineering & Technology through the existing departments under the Statute 9 of the Statutes of the University under the Faculty of Technology. The existing departments in the emerging areas are as under-

1. Department of Electrical Engineering- Statute 9B (2)
2. Department of Electronics & Communication Engineering- Statute 9B (48)
3. Department of Computer Engineering- Statute 9B (52)

Recommendations of the committee

1. Taking into considerations the matter under reference, following programmes are recommended by the committee for offering to the prospective candidates with effect from the academic session 2022-23 under the departments mentioned against each.

a. **Department of Electrical Engineering** already exists as a department under the Faculty of Technology under Statute 9B (2). The department may offer B.Tech. programmes with four years duration in semester mode with effect from the academic session 2022-23 in the following subject area:

- Electrical Engineering

b. **Department of Computer Engineering** already exists as a department under the Faculty of Technology under Statute 9B (52). The department may offer B.Tech. programmes with four years duration in semester mode with effect from the academic session 2022-23 in the following subject area:
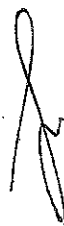
- Computer Science & Engineering

c. **Department of Electronics & Communication Engineering** already exists as a department under the Faculty of Technology under Statute 9B (48). The department may offer B.Tech. programmes with four years duration in semester mode with effect from the academic session 2022-23 in the following subject area:

- Electronics & Communication Engineering

2. The student intake for each B.Tech programmes in Electrical Engineering, Computer Science & Engineering and Electronics & Communication Engineering would be 120 in each programme with two sections of 60 students each. Therefore, the total intake for the first year

would be 360 and total student strength over four years duration would be 1440.

Name of the programmes	Strength per section	Number of sections	Total number of students each year (60x2)	Number of years of the programmes	Total number of student for the entire programmes (120x4)
B.Tech, Electrical Engineering	60	02	120	04	480
B.Tech, Computer Science & Engineering	60	02	120	04	480
B.Tech, Electronics and Communication Engineering	60	02	120	04	480
Total	180	02	360	04	1440

3. The Committee recommended that mode of admission to these programmes would be through the Joint Entrance Examination (Mains). There will be no ward quota, ECA quota and Sports quota for these programmes.

4. The structure of the B.Tech. programmes would be designed in such a manner that there would be a minimum of 50% weightage to the major subject area of study with a maximum of 65% weightage and remaining weightage would be to the minor subject areas of study.

5. The student would have complete flexibility to choose any subject area other than his/her major subject area. It can be subjects offered by the University with established departments in the areas of Conventional and Applied Physical Sciences, Life Sciences, Mathematical Sciences, Arts, Social Sciences, Management, Law, Commerce, Financial & Business Studies, Applied Social Sciences & Humanities, Interdisciplinary and Applied Sciences, Education, Music & Fine Arts etc.

6. The major subject areas would be Electrical Engineering, Computer Science & Engineering and Electronics & Communication Engineering.

7. The students will have multiple exit options in line with the National Education Policy where a student who has completed one year of study would be awarded a Certificate, with two years of study would be awarded a Diploma, with three years of study would be awarded Advance Diploma and on completion of four years would be awarded B.Tech. Degree.

8. The detailed curriculum of each of the B.Tech. programme shall be deliberated upon by the Committee in due course of time in line with the National Education Policy and National Higher Education Framework. ~~would be~~.

9. The syllabi of these programmes would be devised taking into consideration the contemporary requirement of the programmes and its

synergy with the industry and other premier engineering and technology institutions offering similar programmes of study at this level to make the students globally competitive both in terms of development of trained man power as well as their acceptability for conceptualization and implementation of successful startups through innovations.

10. The departments of Electrical Engineering, Computer Engineering and Electronics and Communication Engineering are required to be situated in the North Campus of the University for the purpose of logistic support and proximity of the majority of the faculties/departments in the North Campus of the University.

11. Taking into consideration, the teacher student ratio of 1:20, each department would have 24 faculty members at a ratio of 1:2:6 comprising of Professors, Associate Professors and Assistant Professors totaling to 72. Following table will bring out the distribution of faculty members for these three departments.

Designation	Department of Electrical Engineering	Department of Computer Engineering	Department of Electronics and Communication Engineering	Total
Professor	02	03	03	08
Associate Professor	06	05	05	16
Assistant Professor	16	16	16	48
Total	24	24	24	72

12. The creation of Non-Teaching positions would be as per teaching to non teaching ratio of 1:1.1. It turns out to be 79 with 30% ministerial and 70
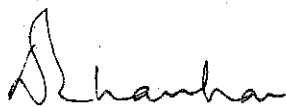
% technical staffs. The number of ministerial Non-Teaching staff would be 24 and technical Non-Teaching staff would be 55.

13. The composition of the ministerial Non-Teaching staff would include Junior Assistants, Assistants, Senior Assistants and Section Officers for each Department.
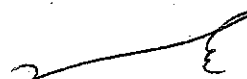
14. The composition of the technical Non-Teaching staff would include Laboratory Attendants, Laboratory Assistants, Technical Assistants, Senior Technical Assistants for each Department.

15. The actual department wise distribution of Non-Teaching Staff may be decided depending upon operational requirement and administrative convenience.
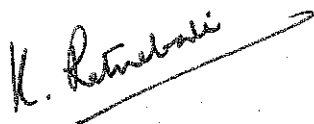

The meeting ended with a vote of thanks to the Chair.

Prof. D. S. Chauhan
(Chairperson)

Dean, Faculty of Technology

Dean, Academic Activities & Projects

Dean, Faculty of Science
(NOMINEE) PROF. SUNIL SHARMA

Dean, Faculty of Mathematical Sciences

Prof. Madhusudan Singh,
(External Expert Member)

Prof. Rajeshwari Pandey,
(External Expert Member)

Joint Registrar (Academic)
(Secretary)

The Secretary,
University Grants Commission,
Bahadur Shah Zafar Marg,
New Delhi–110002.

Sub: **Proposal for teaching and non-teaching positions for offering B.Tech. Programmes under its Faculty of Technology with effect from the academic session 2022-23 in the disciplines of Electrical Engineering, Computer Science & Engineering and Electronics & Communications Engineering-reg**

Sir,

The University is committed to further the noble cause as enshrined in the National Education Policy with particular reference to holistic and multidisciplinary approach in the area of Higher Education with utmost priority, dedication and commitment which will definitely help in skill development among the youth of our Nation and make them globally competitive and capable of conceptualization and implementation of successful startups through innovations.

Taking a cue from the above commitment, the University has decided to offer B.Tech. Programmes under its Faculty of Technology with effect from the academic session 2022-23 in the disciplines of Electrical Engineering, Computer Science & Engineering and Electronics & Communications Engineering in the existing departments named after the same disciplines. The University requires both teaching and non-teaching positions. A brief note on the programmes as well as the requirement of teaching and non-teaching positions are placed at Annexure-I.

It is requested that these teaching and non-teaching positions may kindly be sanctioned at the earliest to facilitate the University to initiate the B.Tech. Programmes as highlighted above in these emerging areas of Engineering & Technology in line with the Central Theme of the National Education Policy 2020.

In order to implement this initiative and further the cause of implementation of the National Education Policy through introduction of the B.Tech. courses mentioned above, the University would require Rs. 100 crores as financial support to set up infrastructure facilities in terms of state-of-the-art laboratories, classrooms and other attendant facilities. The University would require Rs. 25 crores annually for next four financial years with effect from 2021-22.

Warm regards.

Yours Sincerely,

REGISTRAR

Encl.: *As above.*

Table 1: A brief on the proposed B.Tech. programmes to be offered with effect from the academic session 2022-23 by the Faculty of Technology, University of Delhi

Name of the programmes	Duration of the programmes	Mode of teaching-learning	Total number of students intake each year	Number of years of the programmes	Total number of student for the entire programmes (120x4)
B.Tech, Electrical Engineering	04 years	Semester mode	120	04	480
B.Tech, Computer Science & Engineering	04 years	Semester mode	120	04	480
B.Tech, Electronics and Communication Engineering	04 years	Semester mode	120	04	480
Total			360	04	1440

Table 2: Multiple exit options of these B.Tech. Programmes as per NEP 2020:

Exit options	Award
Exit on successful completion of one year of study	Certificate
Exit on successful completion of two years of study	Diploma
Exit on successful completion of three years of study	Advance Diploma
Exit on successful completion of four years of study	B.Tech.

Table 3: Parameters of calculation of teaching positions for the proposed B.Tech. programmes under the Faculty of Technology

Parameter	Calculation
Teacher Student Ratio	1:20
Requirement of new Teaching Positions as per ratio	1440/20 = 72
Department-wise distribution of Teaching Positions	72/3 = 24

Table 4: Requirement of New Teaching Positions for the B.Tech. Programmes under the Faculty of Technology

Designation	Department of Electrical Engineering	Department of Computer Engineering	Department of Electronics and Communication Engineering	Total
Professor	02	03	03	08
Associate Professor	06	05	05	16
Assistant Professor	16	16	16	48
Total	24	24	24	72

Table 5: Parameters of calculation for the requirement of New Non-teaching Positions for the B.Tech. Programmes under the Faculty of Technology

Parameters	Calculation
Ratio of teaching and non-teaching positions	1 : 1.1
total number of non-teaching positions be	72X1.1= 79
Ratio of Technical and Ministerial Cadre	70:30
Total number of Technical non-teaching positions	55
Total number of Ministerial non-teaching positions	24

Table 6: Composition of the Department-wise Technical Non-Teaching staff required for the B.Tech. Programmes

Designation	Department of Electrical Engineering	Department of Computer Engineering	Department of Electronics and Communication Engineering	Total
Senior Technical Assistant	02	02	02	06
Technical Assistant	04	04	04	12
Laboratory Assistant	06	06	06	18
Laboratory Attendant	07	06	06	19
Total	19	18	18	55

Table 7: Composition of the Department-wise Ministerial Non-Teaching staff required for the B.Tech. Programmes

Designation	Department of Electrical Engineering	Department of Computer Engineering	Department of Electronics and Communication Engineering	Total
Section Officer	01	01	01	03
Senior Assistant	01	01	01	03
Assistant	01	01	01	03
Junior Assistant	03	03	03	09
MTS	02	02	02	06
Total	08	08	08	24

Note:

- Recruitment, Promotion, Pay Structure, Service Conditions of both the teaching and non-teaching staff would be regulated by the relevant provisions of the UGC Regulations 2018, 7th CPC recommendations and respective terms and conditions of other applicable rules from time to time.

- Recruitments would be carried out strictly as per the reservation policy of the Government of India as applicable from time to time.