




University Faculty Details Page on DU Web-site

Title	Dr.	First Name	Vandana	Last Name	Saxena	Photograph
Designation		Associate Professor				
Department		Department of Education				
Address (Campus)		33, Chattra Marg, University of Delhi, Delhi 110007.				
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Education						
Subject		Institution		Year		Details
Ph.D. (Education)		C.I.E. University of Delhi		2001		Thesis topic: Evolving an enrichment model for teaching science at the elementary and secondary level.
M.Ed.		C.I.E. University of Delhi		1993		Subjects: Special education, Educational and vocational Guidance
M.Sc.(Physics)		Department of Physics & Astrophysics, University of Delhi		1991		Subjects: Nuclear Physics
Career Profile						
Organisation / Institution		Designation		Duration		Role
Department of Education. University of Delhi.		Associate Professor		Since Nov.2009 till date		Teaching, Research and Extension, Organisational and Administrative responsibilities.
		Lecturer		Since Nov.1997 till Nov. 2006		Teaching, Research and Extension, Organisational and Administrative responsibilities.
Research Interests / Specialization						
Pedagogy. Science Education. Diversity & Inclusive Pedagogy.						
Teaching Experience (Subjects/Courses Taught)						
Pedagogy of Physics Inclusive Education(B.Ed., M.Ed.,M.Phil.) Research Guidance(Ph.D./M.Phil/ M.Ed.) Enrolled Ph.D.-Seven scholars (2015-16) M.Phil- Three Scholar M.Ed.- Two Scholars Awarded Ph.D.- Three scholar M.Phil- one scholar						

Publications (LAST FIVE YEARS)			
Books / Monographs			
Year of Publication	Title	Publisher	Author/ Editor
2016	Counteracting the Inertia to Balance Gender Equation in Science <i>(Chapter in a book, ISBN 978-81-316-0802-9 Equating Gender: Explorations in Asia-Pacific)</i>	Rawat	Sole
2016	Diversity Across Giftedness: A Conceptual Analysis <i>(Chapter in a Book-ISBN 978-935258-225-9, Beyond Horizons: Giftedness in 21st Century)</i>	JPIP Pune	Sole
2011	Contemporary Trends in Education <i>(ISBN: 978-81-317-5948-6)</i>	Pearson	Sole
Articles			
<ul style="list-style-type: none"> ➤ Critical analysis of education Policies and Acts related to People with Disability in India, Journal of Indian Education, May 2015, NCERT. Co-Author Sangeeta Karmakar. ➤ “Educational Aspirations of Children of Construction Workers: Rethinking Teacher Education Programmes” In the “Pedagogic Trajectories” by Synergy Books India.” ISBN No. 978- 93-82059-30-1, Co-author Priyanka Varshney ➤ Conference Proceedings “Understanding Inclusive Pedagogy: Critical Reflections on Cultural & Ideological factors in Science Curriculum” International Education Conference- 2014, Jamia Millia Islamia by Viva Books Pvt Ltd. ISBN No. 978- 81-309-2742-8, Co-author Priyanka Varshney ➤ Research Paper “A Critical Approach to Pedagogy of Science: Exploring Diversity in Perceived Unity” International Journal of Multidisciplinary Educational Research ISSN No. 2277-7881, Impact Factor: 2.735, Co-author Priyanka Varshney ➤ Research Paper “Advantage Diversity: Learning Science for Endurance” Educationia Confab ISSN No. 2320-009X Co-author Priyanka Varshney ➤ Research Paper “Cultural & Ideological Issues in School Curriculum: Exploring the Unexplored” Research Revolution ISSN No. 2319-300X, Co-author Priyanka Varshney ➤ Education of Children with Disabilities: Historical and Policy Critique. RBJE.vol.1.No.1.2013 22787232 Research paper Co-author Sheela Rajeshwari ➤ Travelling through hills: Exploring the educational journey of children with special needs. Educationia Confab 2014. Vol.3.No.1 2320-009X. Research paper , Co-author Sheela Rajeshwari ➤ A Critical Review of Evolving Perspective in Disability studies Research journal’s Journal of Education. Vol.2 No.2. Feb.2014. 2347-8225, R.J factor 1.72 Research paper, Co-author Sheela Rajeshwari ➤ Inclusive Classrooms: Issues and Challenges for pre service training In the “Pedagogic Trajectories” by Synergy Books India.” ISBN No. 978-93-82059- 30-1(chapter in book), Co-author Sheela Rajeshwari ➤ Process of Inclusion and Education- A Critique Educationia Confab International Journal December 2012, Special issue on Inclusive Education: Building A School for All. ➤ Educating The Rainbow: Towards An All Inclusive Approach To Assessment In School Science(peer reviewed) in International Conference to Review Research on Science, Technology and Mathematics Education, 2011 Macmillan Publishers India LTD 			

Conference / Seminar/Symposium/Workshop Organized

- National Seminar, Inclusion : Socio-Cultural Perspective Feb 8-9, 2016, Organizer, CIE, Funded by MHRD.
- Invited talk *Teaching Science to children with visual impairment* Feb. 2015.
- Invited talk *Developing Professional competence among School science teachers* April, 2015.
- Co-organized a symposium titled *Unfolding the latent stratum of Giftedness : a conversation with a Fullbrighter Kathy Hargrove* sponsored by USIEF Delhi
- Member, Organizing committee for National seminar on science education: Feb.15,16 2008 Supported by DST and, COL
- Co-Convener Seminars on Inclusion: Possibilities and Challenges.
(Series of two seminars held on March 17, 2006 and April 18, 2007)
- Member, Seminar Co-ordination Committee for National Seminar on Quality in Teacher Education: Oct, 2006. Supported by MHRD and NCTE.
- Course Director In-Service Programme for PGT Physics of Govt. Schools of Delhi Funded by IASE, May 2004.
- Member sub-committee South Asian Conference on Education, Nov 14-18, 1999 Department of Education, University of Delhi.
- Coordinator, many workshops for school science teachers on issues related with classroom processes in science funded by department of education and IASE. Some of the themes were:
 - Communications in a Science classroom.
 - A step towards Excellence.
 - Understanding nature of science.

Conference Presentations

- Panelist, Valedictory Session, National Symposium on Disability, Mental Health and Teacher Preparation, CIE, University of Delhi, March 19, 2016.
- Diversity Inclusion and Pedagogy- A case of India: Paper Presented at International Conference on Education, IAFOR, Hawaii USA January 8-11, 2016.
- Keynote Speaker, Diverse Ability in the schools: Issues and Challenges, International Conference, Dare to Win, Breaking Through Dyslexia, Kolkatta December 11-13, 2015.
- Invited Speaker, No barriers no borders, National seminar on "Empowerment of Students with Special Needs: Challenges & Dilemmas", November 24, 2015 Gitarattan Institute of Advanced Studies and Training
- Invited Speaker, Parenting a skill or an Art, Seminar for the parents of Special Wing students, D.A.V. Public School, Gurgaon. November 3, 2015
- Invited Speaker, KV in-service Programme for Social Science Teachers, *Diverse Ability in a Regular School: Issues and Challenges in a Social Science Class*, May 24, 2016.
- Gender Boundaries For Gifted In Science- paper Presented at 1st International Conference on Research in Education and Curriculum Planning for Gifted Minds held at India International Centre, New Delhi, India
- *Teaching Learning Principles* AmarJyoti Teacher training centre for Special Education, 10 day orientation programme on "Understanding Disabilities and Specific Needs" 1-10 July, 2013 New Delhi India.
- *Counteracting the Inertia to Balance the Gender Equation* International Conference on Gender Equity: Issues of Theory, Practice and Policy in the Asia-Pacific Region: 21-22 March 2013 University Grants Commission-Academic Staff College, Kumaun University, Nainital, India.
- *Learning Principals* Certificate course in training teachers for Special Education Jointly organized by Amar Jyoti Charitable Trust, Global rainbow foundation & Mauritius Institute of Education : 11-21 February, 2012
- *Diversity across Giftedness: A Conceptual Analysis* National conference on Giftedness -7-9 February, 2013 JPIP Pune India.
- *Educational Aspirations of the Children of Construction Workers: Rethinking Teacher Education Programmes* Co-Presenter Priyanka Varshney, UGC sponsored national seminar, organized by LSR, Department of Elementary Education, University of Delhi, 2012.
- *Inclusive Classrooms: Issues and Challenges for Pre- Service Teacher Training Programmes*. Co-presenter, Sheela Rajeshwari UGC sponsored national seminar, organized by LSR, Department of Elementary Education, University of Delhi, 2012.
- *Examining the Pedagogical Involvedness in Science* International Conference on Public Policy and Governance : 4-6 September 2012 Indian Institute of Science Bangalore India
- Resource Person, *Samvaad - II – Re-initiating a dialogue on education*; co - hosted by The Heritage school,

- Gurgaon, SIDH, Mussorie & Mount Madonna School, U.S.A Feb. 2012
- *Creating Pathways for Independent thinking and Individual domains: The struggle for excellence continues Paper presented at The 19th Biennial World Conference of the WCGTC: Making a World of Difference for Gifted Children (Prague, August 8-12, 2011) .*
 - Invited Speaker '*Understanding Science beyond the text-books*' at S.S. Bhatnagar Memorial Lecture Swami ShraddhaNand College, Delhi University.
 - Invited Practitioner, presented '*Three Key Issues- Teacher Preparation For diversity and Special Training*' during Whole Group Plenary session at *International Conference on Issues in the In-Service development of Elementary teachers* organized by MHRD, NCERT, NUEPA & NCTE, supported by DFID, UNESCO, UNICEF & World Bank at Bhubneshwar Orissa.
 - Panelist - *Let's talk Inclusion: Raising Expectations, lowering Bars* at media workshop *Role of Media in Addressing Social Exclusion Issues of Children* under International Partnership Agreement Program, at Jaipur.
 - Panelist, 'Sehar' Lady Shri Ram College, presented *Visualizing the Imaginations: story-telling as a pedagogic tool in a school science class.*
 - Resource person for an in-country orientation of US Fulbright Exchange Teachers from USA; Presentation titled *Science Teaching in India: attempting an overview*
 - *Fostering Pedagogical proficiency for an all inclusive science class: A case of the Indian classroom* paper to be presented at STEM (Science, Technology, Engineering, and Mathematics) in Education international Conference is to be held at Queensland University of Technology, Brisbane, Australia on November 26 and 27, 2010.
 - *Educating The Rainbow: Towards An All Inclusive Approach To Assessment In School Science* paper at Fourth international conference to review research on Science, Technology and Mathematics Education at Homi Bhabha Centre for Science Education (TIFR), Mumbai, India, January 5-9, 2011
 - *Nurturing Talent in a Regular Science Classroom.* Fifth Asia-Pacific Conference in Giftedness, New Delhi, Sep. 1998 (*International Conference*).
 - *Issues in Science Education.* National Seminar on Qualitative Improvement of Scientific and Technical Manpower through Improvement of Practical Work. IAPT, Dec. 2001.

Public Service / University Service / Consulting Activity

- Convener, M.Ed. Admission Committee, 2016
- Convener, Core Committee, NCTE: B.Ed. M.Ed. (3 year) Integrated Degree Programme to finalize the curriculum for the programme and develop model syllabus for the programme as per the norms and regulations 2014. February 2016.
- Chair: Session : Learner Diversity and Identity, National Conference on Learning 2016, April 2, 2016, Lady Irwin College, University of Delhi.
- Resource Person: Collaborative Outreach Programme for Inclusion of Children with Special Needs in mainstream schools – Planning Meeting: Thursday, the May 5th, 2016 NCERT, New Delhi.
- Chair, Parallel Session XV, Pedagogical Transformations, National Conference on Teacher Education at CIE, University of Delhi Feb 11-12, 2016.
- Resource Person, Preparing and Sharing Guidelines for making Pre-Service Teacher Training Degree Programs Inclusive in the light of Recent Developments Sep. 22-24, 2015 NCERT Department of Education of Groups with Special Needs
- Resource Person, An impact study of learning in Science at Upper Primary Level In Chhattisgarh Sep 2015- July 2016, NCERT, Department of Science and Mathematics.
- Consultant, Appraisal of the multiple Curricular and Pedagogical Practices at various learning centers under the aegis of Prayas, Jaipur : July 13-14, 2015
- Convener, Three year B.Ed. M.Ed. integrated Programme, Department of Education.
- Resource person, Core team, "*Developing a Tool to analyses teaching learning materials at primary level form an inclusive education*, Research Project at Department of Education of Special Needs (DEGSN) at NCERT (Sep. 2014-May 2015)
- Resource Person, CWSN, Writer's Workshop, Dec 15-18, 2014, World bank.
- Resource person Research Project, *Analysis of pre-service teacher preparation degree programmes across India from the lens of inclusive education*, at Department of Education of Special Needs (DEGSN) at NCERT (Nov. 10-11, 2014)
- Resource Person, Review of Position Paper on Curriculum, Syllabus and Learning Resources, NCF 2005, NCERT (July 2014- Oct, 2014)

- Member, Departmental research Committee(July 2014-till date)
- Coordinator for B.A. Programme optional course on Disability: Issues and Challenges
- Member, screening committee, Department of Education, University of Delhi.
- Member, Coordination board B.Ed. special education(M.R.).
- Member, Review committee, B.Ed.(MR) & B.Ed.(V.I.)-sep-oct,2009 .
- Tutor, Course on *Professional Practices: Aspects of learning Difficulties for children and young people with disability* in collaboration with Roehampton University, London and accredited by Rehabilitation Council of India.- April 2010
- Teleconferencing Programme through RCI's NAVSHIKHAR Channel; Theme: *Inclusive Education- Feb.2010*
- Dean's nominee, admission test, B.Ed. (V.I.)-May 2010.
- Coordinator, inter-institutional internal assessment, B.Ed.(Special education)- May-June, 2010.
- Member, Examination moderation board, Roehampton University, London
- Consultant, Resource Book for Teachers- Creating Awareness about RTE Act developed by Department of Teacher Education & Extension, NCERT Delhi, India.
- Consultant, International Project titled Popularization of Science: Capacity Building of Teachers. Project Partners UNESCO India, NCSTS Ministry of Science & Technology Govt of India, CIE university of Delhi and SESD Society for Education and Social Development.
- *Member*, State Research Support Group (SRS), SCERT, Delhi.
- *Member*, National Selection Committee to recommend scholars for the 2010-2011 Teaching Excellence and Achievement (TEA)Program . United States-India Educational Foundation/ Fulbright Commission in India
- Member, Editorial Review Board for Science Education Review; on-line journal, published in Australia.
- Resource person, in-service teacher's programme for teachers working in community schools of Rajasthan educating children of sex workers (caste based prostitution), initiative of the NGO Gram Niyojan Kendra.
- Unit Author, IGNOU, for, the certificate course in special education
- Resource Person, Seminar cum workshop, theme *Conceptualization of Curriculum Framework in Haryana-science group.*

Resource person In-Service Programmes

(Organised by Academic Staff College, UGC/ CPDHE, University of Delhi/School Organisation)

- CPDHE, University of Delhi, A Method of Teaching: Conceptual Premise and Pragmatics, March 2016.
- BPSMV, Khanpur Kalan, Sonipat March 2012
 - *Inclusive Education*
- Kumaun University, Nanital. June 2012
 - Challenges Multiplied: Women with Disability
 - Impact of Globalisation on Women's Development
 - Women in Science
 - Women in Higher Education.
- Rajasthan University, Jaipur. July 2012
 - Pedagogical intervention in Science
 - Preparing teachers for inclusion : *Issues and Challenges*
- In-service teacher training/orientation programmes for school science teachers from-Kendriya Vidyalaya Sangathan, D.A.V. Organisation, Andhra Education Society, Rukmani Devi Public School, Salwan School, Sawan Public School

Curriculum Developed

Developed: (2015-16)

- For M.Phil Programme
 - Diversity, Inclusion and Pedagogy,
- *M.Ed.(optional course)*
 - Inclusion, School, and Pedagogy
 - Inclusion in School: Context and Continuity
- *For B.Ed. two-year Programme*
 - Pedagogy of Physics

Developed: (1997-2015)

- Education for Children with Special Needs. Optional Course for B.Ed. Programme.
- Disability: Concepts, Issues and Perspectives. Optional Course for B.A. (Restructured) III year.
- Methodology of Teaching Science B.Ed. (Special Education for Visually Impaired).
- Special Education: Issues and Perspectives, M.Phil (Education).
- Diversity, Inclusion and Science Pedagogy, M.Phil (Education).
- *Course Work for Ph.D. Scholars*
 - The Evolving Concept of Special Educational Needs: Towards Inclusion
 - Nurturing High ability in Social Science
 - Process of Change and Continuity: A Debate in the Context of Social Structure
 - Reconceptualizing secondary science teacher education

Professional Societies Memberships

IAPT(Indian Association Of Physics Teachers)

Projects (Major Grants / Collaborations)

- Principal Investigator, Developing a Resource Corner for Facilitating Teaching-learning Processes in School Science in an Inclusive Set-Up., R & D research grant, University of Delhi for the year 2015-2016
- Co ordinator, *Handbook and Material for Teacher educators in DIETs and CTEs* MHRD funded Departmental Project(Major Grant)
- Principal Investigator, UGC funded Minor Project *Women in Science: Access, Retention & Progression.*
- Principal Investigator *Developing Professional competence among teachers working with inclusive regular school system.* R & D research grant, university of Delhi for the year 2012-2013

Other Details