


Faculty Performa

Title	Dr.	First Name	Jyoti	Last Name	Sharma	Photograph
Designation		Associate Professor				
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Residence		-----				
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Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Department of Education, DU			2003	
M.Phil. / M.Tech.		Department of Education, DU			1998	
PG		MA (Mathematics) Department of Mathematics, University of Delhi M.Ed. Department of Education, University of Delhi			1993 1995	

UG	BA (Hons) Mathematics, Indraprastha College, University of Delhi	1991
	B.Ed., Department of Education, DU	1994
Career Profile		
Designation	Institute	Time Duration
Associate Professor	Cluster Innovation Centre	March 2015 onwards
Assistant Professor	Shyama Prasad Mukherji College, University of Delhi	2008-2015
Adjunct Faculty	National Institute of Advanced Studies, Bangalore	2010-2014
Areas of Interest / Specialization		
Mathematics Education, Pedagogy and Assessment, Mathematics Creativity, Education for Gifted Students		
Subjects / Courses Taught		
M.Sc (Mathematics Education) M.Ed B.Ed B.El.Ed		
Papers taught: Mathematics Pedagogy, Research investigation in Mathematics Education, Foundations of Mathematics, Perspectives in Mathematics Education, Statistics in Education Research		
Research Guidance		
Research dissertation guidance to M.Sc (Mathematics Education) students Ph. D student (01) ongoing Member, Advisory committee for Ph.D External Examiner, M-Phil Thesis External Examiner, M-Ed, Dissertations		
Research Project		
DU-Innovation Project titled, “ Translating Lilavati of Bhaskara in the realm of present Mathematics Curriculum funded by University of Delhi (2015-16).		
Establishing Process Based Identification and Mentoring Practices for Potentially Gifted Children in Science and Mathematics funded by O/PSA, DST (2014-19).		

Project Concept Map as Pedagogy tool for teaching Calculus, under University of Delhi R&D grant (2014-15).

Modeling Metro Feeder Bus Service in University of Delhi, North Campus – Feasibility and Financial Viability (2013-14) funded by University of Delhi.

Interdisciplinary Innovative project on Consumer behavior and eco-friendly goods funded by University of Delhi (2012-13).

National level project on Identification of gifted children in Science and Mathematics, funded by O/PSA, DST (2010-14).

Preparing Reflective Mathematics Teachers: Pre service Initiative, funded by UGC (2010-12).

Publications (Research Articles and Chapters in Books)

1. Sharma, J. (2016). Developing Context Specific Processes to identify & mentor gifted children in India. In International Education & Research Journal.
2. Sharma, J. (2018). Inclusion for Gifted: Possibilities and Challenges. In edited book Psychological and Sociological Perspectives in Diversity and Inclusion. Kanishka Publishers & Distributors. India.
3. Sharma, J. & Tyagi, P. (2014). Revival and Innovations in Mathematics Pedagogy: A case study. International Journal of Innovative Trends in Engineering. Foundation of Modern Research, Bhopal, India.
4. Sharma, J. (2020). Support for Gifted Students in New Education Policy: A Close Look. WorldTalentWeb Newsletter. World Giftedness Centre. Vol (8), 16-20.
5. Trig-Disc: An innovative device for determination of values of trigonometric functions with single measurement. International journal of innovation and scientific research. Vol (27), pp. 216-224.
6. Sharma, J., Biswal, B., Tyagi, P. & Bagai, S. (2017). Exploring possibilities for gifted students: A case study from India. In ECHA News (European Council of High Ability).
7. Sharma, J. (2017). Assessing students' understanding of pre-calculus concepts. International Journal of Research, Delhi, India.
8. Giftedness: Concepts and current status in India, Cover story on Gifted Education Project in Educational Magazine, *Brainfeed* online version at "brianfeedmagazine.com" Page 22-23 November 2019.

9. Sharma, J. (2012) Gifted Disadvantage in Education Safety Net: A Reality Check, (Journal of Indian Education, NCERT).
10. Sharma, J. (2018). Inclusion for gifted learners: Possibilities and challenges. In the edited book titled Psychological and Sociological Perspectives in Diversity and Inclusion: An anthology for researcher and practitioners. Kanishka Publications, ISBN 9788184578416.
11. Sharma, J. & Bapat, K. (2015). Mentoring young minds: Responding the Needs of Gifted Children. In International Journal of Science and Research.
12. Kapur, V. and Sharma, J. (2014). LINC conference 2013 proceedings. Technology, Education and Emerging Economics. Learning International Networks Consortium, MIT Open Learning.
13. Vashishth, V. Sangeeta. Sharma, J. & Tyagi, P. (2016). Designing of a Basic Mathematical Kit to Assist Mathematical Skill Development among children with Autism. International Journal of Advanced Research in Education & Technology Vol. 3, Issue 3 (July-Sept 2016) pp.153-158.
14. Sharma, Jyoti. (2014). Pre-service teacher education reforms in India and Pakistan: challenges and possibilities. International Journal of Research - GRANTHAALAYAH.
15. Sharma, Jyoti. (2017). Effect of Mathematics Learning on the development of Mathematics Creativity. International Journal of Research - GRANTHAALAYAH.
16. Sharma, J. (2012) Where are they? Gifted disadvantaged children in India, *Gifted Education International, Vol (28)*.
17. Sharma, J. and Mehta, R. "Emerging pedagogic practices in Mathematics in Saxena, (Ed) Contemporary Trends in Education: A handbook for educators. Pearson Publishers.
18. Sharma, J.(2010). Nurturing young mathematicians: Challenges and concerns, in Journal Gifted and Talented International.
19. Maitra and Sharma (2009). Non - formal curriculum for out of school advanced learners in Gifted Education International, AB Academic Publishers, Bicester, Oxon, UK.
20. Sharma, J. (2006). **Integrated Approach to Mathematics Teaching** in Edutrack, Neelkamal Publication India.
21. Sharma, J. (2006). **Why Students fail in Mathematics?** In Edutrack, Neelkamal Publication India.
22. Sharma, J.(2004). **Nurturing Talents in Mathematics** in Primary Teacher, NCERT India,
23. Sharma, J. (2004) **Nature of Mathematics: Its relevance in Mathematics Curriculum** in Edutrack, Neelkamal Publication India.

24. Sharma, J (2000). **Error Patterns in Mathematics published in Maitra, K (Ed), Giftedness in Action: Theory and Practice, Kanishka Publishers, Distributors, Delhi, India.**

25. Sharma, J and Maitra, K. (1999) **Mathematical Giftedness: Exploring the conceptual Framework**, (translated in Spanish) in Spanish International Journal on Gifted Education.

Publications (Books)

Building Mathematical Ability (Co-Author)

Administrative Experience

Convener, CIC Admission Committee 2020

MME Course Restructure Committee, CIC

Member, CIC Admission Committee

Convener, CIC Timetable Committee

Teacher-in-charge, Department of Education, SPM College, University of Delhi

Co-convener, B.El.Ed. Admission Committee, Faculty of Education, University of Delhi

Academic Committee, B.El.Ed. Admission Committee, Faculty of Education, University of Delhi.

Advisor/ Members

Member, Thematic Group- Capacity Development, Science, Technology, and Innovation Policy, Formation Consultation Group, Government of India, 2020.

Convener, Committee of Courses-Mathematics, CBSE, 2019.

Convener, Committee on Two level Mathematics at Sr. Secondary level, CBSE, 2019.

Member, Discussion group on analyzing factors that create phobia/fear of Mathematics among students, NCERT, 2019.

Member, Consultation Group, The Pradhan Mantri Innovative Learning Programme, MHRD, Govt. of India, 2019.

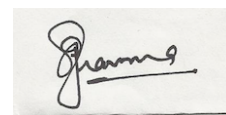
Member, Thematic group: Effective Education, Delhi City Knowledge Cluster- Delhi Science & Technology Cluster, 2020

Invited Talks/lectures

More than 60 invited lectures/talk sessions on themes spread on Nature of Mathematics, Pedagogy, Assessment, Innovations in Pedagogy, Problem based learning and gifted students.

Members of Professional Bodies

Member, All India Association for Educational Research
Member, The Association of Mathematics Teacher of India
NCTM



Jyoti Sharma
Associate Professor
Cluster Innovation Centre
University of Delhi

