




## University Faculty Details for DU Website 2017

Title	Dr.	First Name	HANEET	Last Name	GANDHI	Photograph
Designation	ASSISTANT PROFESSOR					
Department	EDUCATION					
Address (Campus)	DEPARTMENT OF EDUCATION, 33, CHATTRA MARG, NEW DELHI 110007					
(Residence)	B-2/ 14 RAJOURI GARDEN, NEW DELHI. 110027					
Mobile						
Email	<a href="mailto:haneetgandhi@gmail.com">haneetgandhi@gmail.com</a> ; <a href="mailto:hgandhi@cie.du.ac.in">hgandhi@cie.du.ac.in</a>					
<b>Education</b>						
<b>Subject</b>	<b>Institution</b>		<b>Year</b>	<b>Details</b>		
Ph. D (Education)	Department of Education, University of Lucknow.		2009	Problem Solving in Mathematics through Strategic Content Learning Approach: Promoting Self-Regulated Learning		
Post Graduation M.Ed	Jamia Millia Islamia, Delhi.		2002	First division		
Post Graduation M.Sc. Mathematics	Indian Institute of Technology, Delhi.		1998	First division		
Graduation B.Ed	Guru Gobind Singh Indraprastha University, Delhi.		2001	First division		
Graduation BSc (Hons) Mathematics	University of Delhi		1996	First division		
<b>Career Profile</b>						
<b>Organization / Institution</b>		<b>Designation</b>		<b>Duration</b>	<b>Role</b>	
Department of Education, University of Delhi		Assistant Professor		September, 2009 - till date	Supervision of research work at Ph.D., M.phil and M.Ed level Teaching various courses in Ph.D., M.Phil, M.Ed and B.Ed programmes Administrative assignments	
Department of Elementary Education Institute of Home Economics University of Delhi.		Assistant Professor		July, 2006 - September, 2009	Teaching related work in B.El.Ed course, Administrative work. Material development in Mathematics	
Department of Education University of Lucknow		UGC's JRF & SRF		October, 2003- July, 2006	Teaching various courses in B.Ed programmes	
Department of Education University of Lucknow		Guest Faculty		July, 2002- October, 2003	Teaching various courses in B.Ed programmes	

**Research Interests / Specialization**

Mathematics Education  
 Research Methodologies (Especially Quantitative Methods of Educational Research)  
 Teacher Education

**Research Guidance:**

- Supervision of Doctoral Thesis (under progress): 4
- Supervision of M.Phil dissertations (Completed): 3
- Supervision of M.Phil dissertation (under progress): 5

**Teaching Experience ( Subjects/Courses Taught)**

B.El.Ed Course:

- Core Mathematics
- Logico Mathematics
- Pedagogy of Mathematics
- Liberal Options I – Mathematics

B.Ed. Course

- Pedagogy of Mathematics II
- Methodology of Teaching Mathematics
- Educational Statistics

M.Ed

- Quantitative Methods in Educational Research

M.Ed Mathematics Education Specialisation

- Introduction to Mathematics Education
- Mathematics Curriculum: Development and Analysis

M. Phil

- Descriptive Research Methods
- Mathematics Curriculum: Perspectives and Debates

**Honours & Awards**

UGC's fellowship of JRF (Junior Research Fellowship) and SRF (Senior Research Fellowship).

**Total Publication Profile****In Indexed/ Peer Reviewed Journals**

No.	Title of the research paper	Name of the Journal & ISSN	Volume & page no.
1.	Teacher's Efficacy through Story-telling in	2017. MERI. Journal of Education.	Vol

	Mathematics – Quoting an Episode	ISSN: 0974 2085	XII(1). 14-24
2.	Cataloguing 1 Uniform Tilings	2017. AT Right Angles. a Resource magazine for Mathematics teachers. Published by Azim Premji University	Popular Article
3.	What Mathematics matters to teachers?	2016. Voices of Teachers and Teacher Educators, National Council of Educational Research and Training (NCERT) on behalf of MHRD, GoI, New Delhi. eISSN:2455-1376	Vol V(1) 26-31
4.	Book review of Gouvéa, Fernando Q. (2004). Math through the Ages: A Gentle History for Teachers and Others, Mathematical Association of America Textbooks.	2015. Teacher Support, National Council of Teacher Education. Delhi. 09754598	4(3) 75-78
5.	Covering plane with repeated patterns – Part II	2014. AT Right Angles. a Resource magazine for Mathematics teachers. Published by Azim Premji University	Popular article
6.	Covering plane with repeated patterns – Part I	2014. AT Right Angles. a Resource magazine for Mathematics teachers. Published by Azim Premji University	Popular article
7.	Professional Development Programmes: Voices of Teachers.	2013. Conflux, Journal of Education. NAS publishers. Kerala. India. eISSN: 23475706 pISSN: 23209305	Vol 1 (7). Pg 15-18
8.	Decision Making as an individuating process.	2013. International Journal of Humanities and Social Science Invention (IJHSSI). eISSN: 23197722 pISSN: 23197714	Vol 2(11). 13-20
9.	Academia Mathematica Today: A Critical Approach.	2007. University News. Association of University Teachers. ISSN- 05662257	Vol 45(25) 7-16
10.	Promoting Self-Regulated Learning in Mathematics through some Pedagogic Strategies.	2007. Indian Educational Review. NCERT. ISSN- 0972561X	Vol 43(1). 26-42
11.	Elucidating Mathematical Problem Solving through Metacognition	2004. Journal of Indian Education. NCERT. ISSN- 09725628	Vol 30(3). 71-77.

**Research Publications: Books /Chapter in Books**

No.	Title of the Book/Chapter	Publisher with address	ISBN/ISSN
	(i) Text or reference books published by International Publisher		
1.	Mathematics for ATI.	NIIT Ltd. Delhi. 2005	

	<b>(ii) Subject books by National level Publishers OR State / Central Govt. Publications</b>		
1.	Mathematics and its Pedagogy	2016. Pearsons Education.	ISBN 9789332575158
2.	Hands on Mathematics: Class VI	Bharti Bhawan Publishers and Distributors. New Delhi. India. 2010	ISBN 10: 8177099728
3.	Hands on Mathematics: Class VII	Bharti Bhawan Publishers and Distributors. New Delhi. India. 2010	ISBN 10: 8177099736
4.	Hands on Mathematics: Class VIII	Bharti Bhawan Publishers and Distributors. New Delhi. India. 2010	ISBN 10: 8177099752
	<b>(iii) Chapter in Books published by International Publisher</b>		
1.	Understanding children's meanings of randomness in relation to random generators. In the ICME monograph on Teaching and Learning of Probability	Forthcoming. Springer Publisher	
2.	Traversing the epistemology of probability in Indian mathematics textbooks	2015. In Proceedings of epiSTEME 06, International conference on Science, Technology and Mathematics Education at HBCSE, Mumbai. Cinnamonteal Publishers	ISBN: 9789385523489
3.	Need based Professional Development Programmes: Listening to the voices of teachers	2014. Proceedings of International Conference on Education as a Right Across the Levels: Challenges, Opportunities and Strategies. JMI and UNESCO. Delhi. India. Viva Books Private Ltd.	ISBN: 9788130927428
4.	Strategic Content Learning Approach to Promote Self- Regulated Learning in Mathematics.	2009. In Proceedings of epiSTEME 03, International conference on Science, Technology and Mathematics Education at HBCSE, Mumbai. Macmillan Publishers India Ltd.	ISBN: 0230637191
	<b>(iv) Chapter in Books published by National Level Publishers</b>		

1.	Unit 10: Curriculum Implementation in Schools. In Block 3 Curriculum engagement in school. Knowledge and Curriculum	Forthcoming. Indira Gandhi Open University (IGNOU)	
2.	Unit 9: School: The Site of Curriculum Engagement. In Block 3 Curriculum Engagement In Schools. Knowledge and Curriculum	Forthcoming. Indira Gandhi Open University (IGNOU)	
4.	Unit 14: Spatial Understanding. In Block Geometric Thinking of BES12. Teaching of Mathematics for Primary School Child.	2014. Indira Gandhi National Open University. (IGNOU) Delhi. India.	ISBN: 987-81-266-6672-0
5.	Unit 15: Shape and Space. In Block Geometric Thinking of BES12. Teaching of Mathematics for Primary School Child.	2014. Indira Gandhi National Open University. (IGNOU) Delhi. India.	ISBN: 987-81-266-6672-0
	Conceptualising Mathematics, its Education and Learning: Initiating a Debate	2014. Proceedings of the National Conference on Mathematics Pedagogy. Let's Mathematise... Lessons from Practice. Organized by Jesus and Mary College. DU	ISBN: 9789351562801
6.	How Heavy it is? Block 4: Measurement. Teaching of Mathematics for Primary School Child.	2011. Indira Gandhi National Open University. (IGNOU) Delhi. India.	ISBN : 987-81-266-61831

#### **Conference / Seminar Presentations**

No.	Title of the Paper presented (Oral/Poster) or invited lecture	Title of the Conference / Seminar with Date	Organized by	Status (International/ National/ State Univ. level)
1.	शिक्षक/ शिक्षिका शिक्षा कार्यक्रमों में गणित-शिक्षण का बदलता स्वरूप: गणित अध्यापक-शिक्षिका के रिफ्लेक्शन	2017. संगोष्ठी . स्कूली शिक्षा के बदलते परिदृश्य में अध्यापन कर्म की रूपरेखा. 23-25 मई, 2017	आंबेडकर विश्वविद्यालय, दिल्ली और अजीम प्रेमजी विश्वविद्यालय, बंगलुरु	National.
2.	Mathematics teachers on incorporating History of Mathematics in the school curriculum	2017. National Conference On Teacher Education: Current Scenarios And Future Possibilities. 10-11 March, 2017,	Department of Education (CIE), University of Delhi (under the aegis of IASE, MHRD, Government of India).	National
3.	Problem- Posing as a guiding framework for understanding the	2017. National Conference On Teacher Education: Current Scenarios And Future	Department of Education (CIE),	National

	conceptual knowledge of inservice middle grade mathematics teachers about division of fractions	Possibilities. 10-11 March, 2017,	University of Delhi (under the aegis of IASE, MHRD, Government of India).	
4.	Primary teachers' perception on role of mathematics textbooks in teaching, learning and assessing mathematics	2017. National Conference On Teacher Education: Current Scenarios And Future Possibilities. 10-11 March, 2017,	Department of Education (CIE), University of Delhi (under the aegis of IASE, MHRD, Government of India).	National
5.	Children's reasoning as they make sense of randomness from some symmetric objects	2017. Innovations in the Mathematics Education: Current Trends and Issues. 03 March, 2017	Department of Elementary Education, Lady Shri Ram College for Women	National
6.	Understanding Children's conceptions of randomness through explorations with symmetric polyhedrons	2016. ICME 13. International Congress on Mathematics. July 2016	Hamburg, Germany	International
7.	Need and possibilities of using History of Mathematics as a pedagogic resource for developing mathematical thinking.	2016. National Conference on Teacher Education: Issues and Challenges. Feb11-12, 2016	Department of Education, University of Delhi.	National
8.	Trends in Mathematics Education	2016. Emerging Trends in Science and Mathematics Education.	Department of Education, University of Delhi.	National
9.	Innovative Practices to Enliven Mathematics Classrooms	2016. Innovative Practices to Enliven Mathematics Classrooms. July 4-5, 2016	Department of Education, University of Delhi (under the aegis of IASE, MHRD, Government of India).	State Level
10.	Children's Understanding of Randomness through Explorations with Dices	2014. 12th Annual Hawaii International Conference on Education. January, 2012	Hawaii. USA.	International
11.	Learning Mathematics: Bridging the gap between Content and Pedagogy	2013. Technology and Innovation in the Mathematics Classroom. October, 2013	Department of Elementary Education. Lady Sri Ram	University

			College. DU	
12.	Professional Development Programmes for Teachers: A Democratic Approach	2013. Right to Education: Roadmap Ahead. March 15-16, 2013.	Guru Nanak Dev Institute of Development Studies. Amritsar. India	National
13.	Probabilistic Awareness: A Study with High School Students.	2012. 12th International Congress of Mathematics Education. ICME-12. July, 2012	Seoul, South Korea	International
14.	Insights and Challenges in the Teaching Learning of Probability	2012. National Initiative on Mathematics Education. Jan. 2022, 2012 at	Homi Bhabha Centre for Science Education, Mumbai. India	National
15.	Problems in Teaching of Probability	2012. The Indian Education system: The crisis and Shifting Paradigms under the aegis of People's Science Congress. 9-23rd November 2012.	Gujrat Vidyapith, Ahmedabad	National
16.	Strategic Content Learning Approach to Promote Self-Regulated Learning in Mathematics.	2009. epiSTEME 03, International conference on Science, Technology and Mathematics Education at HBCSE, Mumbai.	Homi Bhabha Centre for Science Education. Mumbai	International
17.	Identifying and Developing Strategies: Beyond Achievement	2010. BCME07. British Congress of Mathematics Education, University of Manchester. April 06-09, 2010.	University of Manchester. UK	International
18.	Strategic Content Learning Approach for Promoting Self-Regulated Learning.	Mathematics Education Expanding Vistas. Held in Feb 2008.	Lady Sri Ram College. Delhi University.	University level

### **Research Projects**

<b>S. No.</b>	<b>Title</b>	<b>Sponsoring Agency</b>	<b>Duration</b>	<b>Role</b>
1.	Re-envisioning the Continuous and Comprehensive Evaluation: Cross-Curricular Approach and Integration of Life skills	MHRD	2 years	Co-Principal Investigator
2.	History of Mathematics as a Pedagogic Resource : An Exploratory Study	Research and Development, Delhi University	2015-16 1 year	Principal Investigator
3.	Understanding Probability a route to Mathematical awareness	Research and Development, Delhi University	2012-13, 1 Year	Principal Investigator

4.	Understanding Probability: a Pedagogic Endeavour	Research and Development, Delhi University	2011-12, 1 year	Principal Investigator
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**Development of e-Learning Delivery Process/Material**

No.	Title of the module	Details of the agency	Module meant for whom
1.	NCERT's Developing a tool to analyse teaching learning resources from an Inclusive education perspective at primary level	DESGN, NCERT.	School Teachers and Policy makers

**Public Service / University Service / Consulting Activity / Resource Person**

Revision of Position Paper of Teaching Mathematics, National Curriculum Framework. Department of Education in Science and Mathematics Education, NCERT.

Joint Convenor, B.El.Ed Admissions-2010-12  
 Staff Secretary 2010-2012  
 M.Ed Course Coordinator 2012-13  
 Convenor, Board of Research Studies, Faculty of Education 2012- 14  
 Convenor, Internal Assessment Committee 2012-13  
 Member, School Experience Programme 2013-14  
 Convener Mhil Committee 2015-16  
 Convener – MPhil and PhD Admission Committee 2016-17  
 MPhil Course Coordinator 2015-17  
 Coordinator, B.Ed Coordination Committee 2017-18

**Professional Societies Memberships**

Founder Member, Ramanujan Foundation for Initiatives in Mathematics Education (RFIME), Delhi

**Other Details**

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