

Faculty Details Proforma



	Title	First Name	Middle Name	Last Name
1	Ms.	Sonia		
2	Designation	Assistant Professor		
3	Permanent			
	Temporary/ Ad-hoc (Please specify)	Permanent		
	Work Experience (Years of experience)	10 years 9 Months in JDMC Total: 11 Years		
4	Address:	Department of Mathematics, Janki Devi Memorial College, University of Delhi		
5	Phone No: Office			
	College Email	sonia@jdm.du.ac.in		
6	Educational Qualifications (Highest Degree)	M.Phil. (University of Delhi), Pursuing Ph.D.		
7	Orientation/ Refresher/ FDP/ any other	<ol style="list-style-type: none"> 1. Completed One Month Online National Faculty Induction Program jointly organized by Janki Devi Memorial College Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education during June 23, 2023 to July 22, 2023. 2. Completed One-Week Online National Faculty Development Program “Basic IT tools, Advanced Spreadsheet Tools and Statistical Software Package with SPSS” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching 		

		<p>(PMMMNMTT) of Ministry of Education during October 27, 2022 to November 3, 2022.</p> <ol style="list-style-type: none"> 3. Completed UGC-Sponsored Refresher Course with grade A in Mathematics/ Operational Research/ Statistics and Computer Science (IDC) organized by CPDHE (UGC-HRDC), University of Delhi from September 2, 2022 to September 15, 2022. 4. Participated in One Day Online Faculty Enrichment Program on “Empowering Teachers for Assessments in the 21st Century, Theatre and/as Pedagogy, Innovative Student-Centric Pedagogies” organized by the Internal Quality Assurance Cell (IQAC), Janki Devi Memorial College on May 23, 2022. 5. Participated in the Faculty Enrichment Program on “UNDERSTANDING COPYRIGHTS AND PUBLICATION METRICS” organized by the Internal Quality Assurance Cell (IQAC), Janki Devi Memorial College on May 21, 2022. 6. Participated in Faculty Enrichment Program on “Student-Centric Mentoring: Opportunities, Challenges and strategies” organized by IQAC, JDMC on May 20, 2022. 7. Participated in IP Awareness/Training program under National Intellectual Property Awareness Programme organized by Intellectual Property Office, India on January 05, 2022. 8. Completed Refresher course in Applicable Mathematics with grade A+ organized by Department of Mathematics, Ramanujan College and Teaching-Learning Center, Ramanujan College (December 15-29, 2021) 9. Completed Refresher course in Mathematics with grade A+ organised by Department of Mathematics, Ramanujan College and Teaching-Learning Center, Ramanujan College (March 16-30, 2021)
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		<ol style="list-style-type: none"> 10. Completed a 7-day Online FDP on "ICT Enabled Teaching and Learning" with grade A+, organised by Janki Devi Memorial College in collaboration with Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi (MINISTRY OF HUMAN RESOURCE DEVELOPMENT-PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING (PMMMNMTT)) From 7th–13th September 2020. 11. Attended Online Faculty Development Programme on 'Digital Tools For Conducting Virtual Classes' organized by the Internal Quality Assurance Cell and the Department of Computer Science, Periyar Govt. Arts College, Thiruvalluvar University from July 6 to July 10, 2020 12. Attended Faculty Development Program on "Emerging Trends in Mathematics" held at ARSD College, University of Delhi on February 1, 2018
	<p>Participation in Workshops</p>	<ol style="list-style-type: none"> 1. Attended One day Workshop on NAAC Criteria jointly organized by Janki Devi Memorial College, Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 19-7-2023. 2. Attended Faculty Pedagogy Series " Why do we Objectify Everything?Analyzing the root cause of suffering on 20-2-2023 organized by NEP in collaboration with IQAC, JDMC. 3. Attended a Workshop on Gender Sensitization on 20-2-2023 organized by IQAC and Centre for Gender Equity Studies, JDMC. 4. Participated in an online Workshop titled "Enhancing Institutional and Faculty Academic and Research Visibility- A Workshop on INFLIBNET Portal" on 17th September 2022 organized by IQAC , Library and ICT Committee Janki Devi Memorial College. 5. Attended workshop "Enhancing Learning Experiences Using ICT- A Hand on Training

		<p>Session" on September, 2022 organized by IQAC and ICT Committee Janki Devi Memorial College.</p> <p>6. Attended Teachers Enrichment workshop on "Algebra and its Applications" funded by National Centre for Mathematics held at Shivaji College, University of Delhi during May 6 to May 11 2019.</p> <p>7. Participated in "Workshop on Teaching Methodology for maths for visual Impairment" held at CPDHE, University of Delhi during March 12 to March 13, 2014.</p> <p>8. Participated in "RS-UGTE Workshop on Finite groups and applications" organized by Deshbandhu College, University of Delhi during February 7 to February 9, 2014</p>
8	<p>Administrative Assignments</p> <p>Department (in the last two years)</p> <p>College (in the last two years)</p>	<ul style="list-style-type: none"> ● Member, Workload Committee ● Member, Time Table Committee ● Member, Admission Committee ● Resource Person in ICT Workshop on MS Office organized by ICT Academy and IQAC, JDMC on 8-9-2023 ● Moderator and Convenor of Virtual Power Seminar on Cyber Security organized by ICT Committee under the aegis of IQAC, JDMC and ICT Academy ● Course coordinator of online Add-on Course on "Vedic Maths" offered by the Department of Mathematics, Janki Devi Memorial College from Ist January, 2022 to 20th February, 2022. ● Resource-person for the "IT-Training Session for Library Staff" conducted on 24th January, 2022 organized by IQAC, Janki Devi Memorial College. <ul style="list-style-type: none"> ● Member, Feedback Committee; ● Co-ordinator, ICT Academy; ● Criterion V Writer for NAAC (Cycle-3); ● Member, Examination Committee ● Departmental Representative of NAAC (Cycle-2); ● Member, IQAC (Technical Team); ● Member, Annual Report Committee; ● Point Person (B.A (Prog.)) for NAAC

		<ul style="list-style-type: none"> • • Course coordinator of online Add-on Course on “Vedic Maths” offered by the Department of Mathematics, Janki Devi Memorial College from 1st January, 2022 to 20th February, 2022. • Resource-person for the “IT-Training Session for Library Staff” conducted on 24th January, 2022 organized by IQAC, Janki Devi Memorial College.
	University (In the entire tenure)	Paper Evaluation
9	Areas of Interest / Specialization	Algebra, Analysis, Topology, Vector Variational Inequalities
10	Subjects Taught (in the last three years)	<ul style="list-style-type: none"> • Real Analysis • Group Theory • Advanced Group Theory • Ring Theory • Linear Algebra
11	Research Guidance	
12	Publications Profile	
	Authored Books (Single/ Co-authored)	
	Edited Books (Single/ Co-edited)	
	Chapter in book (Single/ Co-edited) (Please specify whether National or International)	
	Article in Peer-reviewed Journal (Single/ Co-edited) (Please specify whether National or International, UGC Listed)	<p>A topological approach for vector quasi-variational inequalities with set-valued functions. <i>Comput. Manag. Sci.</i> 20, 21 (2023). https://doi.org/10.1007/s10287-023-00457-z. (ESCI, Scopus) (International, UGC Listed)</p> <p>Generalized vector quasi-variational-like inequality problem: a new approach, <i>Rend. Circ. Mat. Palermo, II. Ser.</i>, 2023. https://doi.org/10.1007/s12215-022-00854-4. (ESCI, Scopus) (International, UGC Listed)</p> <p>Generated Intuitionistic Fuzzy subgroup, (t,k) Equivalence relation and congruence, <i>Annals of Fuzzy Mathematics and Informatics</i> 9 (3) (2015), 489-502</p>

		(International, UGC Listed)		
	Conference Proceedings (or any other form of published content)			
	Creative Writing			
	Translation			
13	Conference Participation (in the last three years) [Please specify whether National or International]			
		Presented a paper in the International Conference on Analysis and its Applications (ICAA-23) organized by the Department of Mathematics, Shivaji College, University of Delhi, India on the topic “Perturbations in variational inequalities based on nets” during February 27-28, 2023.		
	Papers Presented	Presented a paper in 5th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021) organized by Department of Mathematics Jaypee Institute of Information Technology, Noida, India on the topic “A New Approach for Solving Generalized Vector Quasi-Variational-Like Inequality Problem” during December 02-04, 2021.		
	Sessions Chaired			
	Discussant or any other			
14	ICT enabled teaching-learning			
	Development of e-content (Please specify if it is e-lesson, e-quizzes, e-lectures; also mention the Institution for which the same has been prepared)	Created a YouTube Lecture on the Topic: Archimedean Property and Density Theorem (https://www.youtube.com/watch?v=jD4VOkWU-lc&t=1114s)		
	Development of MOOCs			
15	Contribution to development of Syllabi			

16	Research Projects	Major Grants	Research Collaboration	UGC Funded Research Projects
17	Awards and Distinctions	<ul style="list-style-type: none"> ● Qualified University Grant Commission (UGC) National Eligibility Test (NET)-JRF in June 2011. ● Got Lala Jugal Kishore Jagdish Prasad Memorial Prize for standing first in M.A (prev.) 2008-09 and M.A (final) 2009-10 in IP college. ● Got Krishna Bhatia Memorial Prize (2008) for the highest marks in the aggregate of optional papers in B.A (Hons.). Mathematics, part III in IP college. ● Got Smt. Motia Devi Sethi Memorial Prize for standing first in B.A (H) Mathematics 2007-08. ● Got Smt. P.M. Mathai and Smt. Sosamma Mathai Memorial prize for standing first in B.A (H) Mathematics Part II 2006-07 and Part III 2007-08. ● Got Smt. Triveni Devi Sahai Memorial Prize for the most outstanding student of Mathematics Department 2007 in IP College. ● Got C.L. Rustogi Memorial Prize for the most intelligent and deserving student of Mathematics (Hons.) 2005-2006 in IP College. 		
18	Association With Professional Bodies			
19	Other Activities			

This is to certify that the information provided by me is correct and to the best of my knowledge

Signature of Faculty Member: Sonia

Name and Designation: Sonia, Assistant Professor