


FACULTY DETAILS PROFORMA

Title	Ms.	First Name	Aakanksha	Last Name	Singh	Photograph
Designation		Assistant Professor (Mathematics)				
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Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Pursuing Ph.D		Indira Gandhi Delhi Technical University for Women, Delhi			August 2019 – till date	
B.Ed.		M.V.C.O.E., Delhi University			2009	
M.Sc. (Pure Mathematics)		Miranda House, Delhi University			2008	
B.Sc.(H) Mathematics		Miranda House, Delhi University			2006	
XII		Kulachi Hansraj Model School, Delhi			2003	
X		Kulachi Hansraj Model School, Delhi			2001	
Career Profile						
Working with	Aryabhatta College, Delhi University		March 2016 – Till Date		Assistant Professor	
Worked with	Miranda House, Delhi University		July 2012 – May 2015		Assistant Professor (Adhoc)	
Worked with	Aditi Mahavidyalaya, Delhi University		September 2011 – May 2012		Assistant Professor (Adhoc)	
Administrative Assignments						
<ul style="list-style-type: none"> ➤ Member of committee related to Caste-based discrimination ➤ Member of Student Feedback Review Committee (NAAC), Anti-Ragging Committee, Alumni Relations committee, Fee Concession Committee, Departmental NAAC Co-coordinator (2021-22) ➤ Member of Anti-Ragging Committee, Alumni Relations committee, Feedback and Review Committee (2020-21) ➤ TIC, Mathematics Department, Aryabhatta College (2018-19) ➤ Member of Committee related to Caste Discrimination (2018-19) 						

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<ul style="list-style-type: none"> ➤ Member of Admission Committee, Workload Committee, Attendance Monitoring Committee, Library Committee, Photography Club (2018-19) ➤ Mentor of Aryabhatta Mathematical Society which organized the Annual Festival - Σigma, (2018-19) ➤ Member of Function Committee, Heritage and Spic Macay, Epicure-The Culinary Cell (2017-18) ➤ Member of Sports Admission Committee, Sports Committee, Fee Concession Committee and Interdisciplinary Subjects (Hons.) Committee (2016-17)
Areas of Interest / Specialization
Operations Research, Transportation Problem, Fuzzy Programming
Subjects Taught
<p>Core Papers:</p> <p>B.Sc.(H) Mathematics: Group Theory-1, Ring Theory and Linear Algebra-1, Real Analysis</p> <p>B.A.(P): Differential Equations</p> <p>DSE- Mathematical Modelling and Graph Theory, Bio-Mathematics</p> <p>SEC- Computer Algebra Systems and Related Softwares, Latex and HTML</p> <p>Generic Elective (B.A.(P)/ B. Com): General Mathematics-II</p>
Research Guidance
Publications Profile
<ul style="list-style-type: none"> ➤ Aakanksha Singh, Ritu Arora, Shalini Arora (2022): Bilevel Transportation Problem in Neutrosophic Environment. Computational and Applied Mathematics, Volume 41, Issue 1, 1-25. (SCIE, Scopus Indexed)
Conference Organization/ Presentations
<p><u>CONFERENCES/ WORKSHOPS ATTENDED:</u></p> <ul style="list-style-type: none"> ➤ International Conference on Advances in Smart Materials & Emerging Technologies organized by Department of Applied Sciences and Humanities, (IGDTUW) from 23rd–24th January, 2020. ➤ National Workshop on Stress Management and Emotional Intelligence in Teaching-Learning Environment” organized by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi, on 17th March, 2018. ➤ National Conference on Technological Empowerment of Women” organized by The National Academy of Sciences, India (NASI) at Vigyan Bhawan, New Delhi on 8th –9th March, 2018. ➤ International Conference on “The Legacy of Srinivasa Ramanujan” organized by University of Delhi on 17th – 22nd December, 2012. <p><u>CONFERENCE PRESENTATIONS:</u></p> <ul style="list-style-type: none"> ➤ Aakanksha Singh, Ritu Arora, Shalini Arora. Oral talk presentation on “On Solving Multi-Objective Transportation Problem with Spherical Fuzzy Numbers” in International

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<p>Conference on Advances in Smart Materials & Emerging Technologies (ASMET-2021) organized by Department of Applied Sciences and Humanities from 20th -21st December 2021. (ISBN of Abstract Booklet: 978-9-3930-2701-6)</p> <p>➤ Ritu Arora, Aakanksha Singh, Shalini Arora. Oral paper presentation on “An Aspect of Bilevel Indefinite Quadratic Transportation Problem under Intuitionistic Fuzzy Environment, Proceedings of 7th International Conference on Fuzzy Systems and Data Mining (FSDM 2021) from 26th –29th October 2021. ISBN: 978-1-64368-215-0(online).</p>
Research Projects (Major Grants/Research Collaboration)/ Patents
<p>Wrist Watch Design Patent Certificate No.-99252, Design No. -333531-001</p>
Awards and Distinctions
<p>➤ Qualified GATE -2011 in Mathematics.</p> <p>➤ Qualified the eligibility test for lectureship (NET), in June 2011 with AIR-88.</p> <p>➤ Secured 5th rank all over Delhi in Regional Mathematics Olympiad, Delhi in 1999.</p>
Other Activities
<p><u>TRAININGS ATTENDED:</u></p> <p>➤ Successfully completed a two-weeks Refresher Course in “Applicable Mathematics” from 26 July '22-8Aug'22 organised by TLC, Ramanujan College,D.U.</p> <p>➤ Successfully attended the webinar on “Understanding Plagiarism Detection Software Ouriginal” on 28 January 2022 organized by University of Delhi in association with eGalactic Pune.</p> <p>➤ Successfully completed one week Faculty Development Programme on “Academic Writing” from 17th - 23rd August, 2021.</p> <p>➤ Successfully completed Five days national level online “Workshop on Software in Mathematics and Statistics” (WSMS – 2021) organized by the Department of Mathematics, National Institute of Technology Tiruchirappalli from 02nd – 06th August 2021.</p> <p>➤ Successfully completed Two-weeks Refresher Course In “Mathematics” organized by Department of Mathematics, Ramanujan College from 16th -30th March 2021.</p> <p>➤ Successfully completed Two-weeks Faculty Development Program on "ICT Based New Paradigms of E-Teaching and E-Learning: Digital Pedagogy" from 15th – 30th September, 2020.</p> <p>➤ Successfully completed UGC sponsored Orientation Programme organized by UGC-HRDC, Jamia Millia Islamia, New Delhi from 23rd May – 19th June, 2017.</p> <p>➤ Successfully completed FYUP training workshop on “Foundation Course in Building Mathematical Ability” organized by CPDHE, University of Delhi on 15th – 17th July, 2013.</p>