



Miranda House

UNIVERSITY OF DELHI

Name: Dr. Shweta Gandhi

Department: Mathematics

Current Designation: Assistant Professor

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Academic Qualifications

- **Ph.D.** (Mathematics): University of Delhi (2019): Thesis on “Subordination For Starlike Functions”.
- **M.Phil.** (Mathematics): University of Delhi (2014): Dissertation on “ Uniquely Clean Rings”.
- Passed Joint **CSIR-UGC** National Eligibility test (NET) Examination in December 2012.
- **M.Sc.**(85.%) from St Stephen’s college, University of Delhi in 2012 .
- **B.Sc.**(90.%) from Miranda House, University of Delhi in 2010.

Field of Specialization under the Subject/Discipline: Geometric function theory, Group Theory, Ring Theory, Analysis, Linear Algebra, Number Theory

Total Teaching Experience: 8.5 years Teaching **in Miranda House**

List of Publications

- S. Gandhi , P. Gupta , S. Nagpal and V. Ravichandran , "Starlike functions associated with an Epicycloid", *Haceteppe Journal of Mathematics and Statistics*, pp. 1-24, Dec. 2022, doi:10.15672/hujms.1019973
- Radius Estimates for Three Leaf Function and Convex Combination of Starlike Functions. In: Deo N., Gupta V., Acu A., Agrawal P. (eds) *Mathematical Analysis I: Approximation Theory. ICRAPAM 2018. Springer Proceedings in Mathematics & Statistics*, vol 306. Springer, Singapore. https://doi.org/10.1007/978-981-15-1153-0_15



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- Gandhi S, Kumar S, Ravichandran V. First order differential subordinations for Caratheodory functions.
 - Gandhi S, Ravichandran V. Starlike functions associated with a lune. Asian-European Journal of Mathematics. 2017 Dec 21;10(04):1750064.

Educational Resource Material Developed : Developed e-Lesson on “Class Equation and Conjugacy in Groups”.

Membership Of Professional Bodies :

- The Mathematics Consortium
- Mathematics Teachers Association

Administrative Responsibilities :

- NAAC- Coordinator of the Department second cycle.
- Member Anukriti, Hindi Dramatics society 2021-till now.
- Member MH VATIKA, 2021-till now.
- Staff Advisor Department of Mathematics 2020-2022.
- Paper setting and evaluation of examination paper .

Invited talks/Session chair/Resource person

- International guest lecture to motivate students on Data analytics globally at HU Business School in Utrecht The Netherlands on 15 th June 2022.
- Mathematics webinar “Infinity: A New Realm Of Possibilities” on the occasion of National Mathematics Day in St. Marks Girls School.

Conferences Organised :

- Faculty Development Programme on “Advanced Linear Algebra” in collaboration with Mahatama Hansraj Faculty Development centre.
- Workshop on Group Theory by Resource Persons: Prof. Geetha Venkataraman, Dr. B.R. Ambedkar University and Dr. Amit Kulshreshtha, IISER Mohali.
- Lecture Series on Conceptual Introduction to Differential Calculus by Resource Person Prof. S. Kumresan, director MTTTS
- Contribution as a MENTOR for the Online Foundation Course in Mathematics (OFCM 2021) held during 19/09/2021 to 11/10/2021 organized by the MTTTS Trust, was funded by the National Board for higher Mathematics, DAE, Govt. of India to enhance teaching skills.
- Inspire Teacher Mentor in the Inspire Internship Programme organised by DS KOTHARI CENTRE for research and Innovation in Science Education in the year 2015 and 2017.



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- Organised workshop on SELF LOVE that improves the overall confidence of students in collaboration with a non-profit organisation.

Seminars/Workshops/Conferences attended :

- Presented a paper in “69TH ANNUAL CONFERENCE OF BGP: Recent Advances In Mathematics And Applications" during September 24-25, 2022 in Lucknow University.
- International conference on “Finite and Infinite Dimensional Complex Analysis” at Anand International College of Engineering and presented a paper on the topic “Starlike Functions associated with a lune”.
- “Understanding the connection of Mathematics with the world around us: An Application based learning” organised by Mahatma Hansraj Faculty Based Learning and Department of Mathematics Hansraj College.
- One week FDP on “Applications of Mathematics in Business and Social Sciences”, Miranda House
- Transformative Power of Mentoring" organised by IQAC Shyama Prasad Mukherji College for women, University of Delhi
- Faculty Development Program on "R" organized by Birla Institute of Technology Mesra, Noida
- Campus and training was offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.
- Three week Online Certificate Course: SLC-Course01 on "Introduction to Computer Algebra System: Maxima (An Open Source Software)

- One Week Faculty Development Program on “Open Source Tools for Research” organized by Teaching Learning Centre, Ramanujan College University of Delhi
- One week FDP on “Digital Pedagogy to enhance teaching and learning experience”, Maitreyi College, University of Delhi

Prizes and Medals

- Seema Bhasin Medal in 2010
- Urmila Sharma Memorial Prize in 2010
- Kasturi Memorial Prize in 2010
- Smt Prem Gulati Memorial Prize in 2010



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