




Faculty Details Proforma

Title	Dr.	First Name	Shelly	Last Name	Verma	Photograph
Designation		Assistant Professor				
Address		Daulat Ram College, 4 Patel Marg , Delhi-110007				
Email- ID		shellyverma@dr.du.ac.in				
Web Page						
Educational Qualification						
Degree		Institution				Year
B.A(H) Mathematics		University of Delhi				2008
M.A (Mathematics)		University of Delhi				2010
M.Phil. (Mathematics)		University of Delhi				2014
Ph.D. (Mathematics)		University of Delhi				2018
Career Profile						
1. Assistant Professor, Maitreyi College, University of Delhi (Adhoc, 20-07-2017 to 13-10-2022) 2. Assistant Professor, Daulat Ram College, University of Delhi (Permanent since 14-10-2022 to till date)						
Administrative Assignments						
Areas of Interest/Specialization						
Geometric Function Theory						

Subjects Taught					
S.No.	Course	Subject Taught	Semester	Year	
1)	B.Sc. (H) Mathematics	Latex and HTML	Sem IV	2017	
2)	B.Sc. (Physical Sciences)	Calculus and geometry	Sem I	2017	
3)	B.A. (P)	Analytic Geometry and Applied Algebra	Sem III	2017 to 2022	

4)	B.Sc. (H) Mathematics	Algebra	Sem I	2018
5)	B.Sc. (H) Mathematics	Probability and statistics	Sem VI	2019
6)	B.A. (P)	Analysis	Sem IV	2019
7)	B.Sc. (H) Mathematics	Ring theory and linear algebra II	Sem VI	2020
8)	B.Sc. (H) Mathematics	Computer Algebra System and Related Softwares	Sem IV	2020
9)	B.Sc. (Physical Sciences)	Computer Algebra System	Sem IV	2020
10)	G.E.	Numerical Methods	Sem IV	2020
11)	B.Sc. (H) Mathematics	Calculus	Sem I	2021
12)	B.Sc. (Physical Sciences)	Mathematical Typesetting system: Latex	Sem VI	2021
13)	B.Sc. (Physical Sciences)	Numerical Methods	Sem VI	2022
14)	B.Sc.(H) Mathematics	Numerical Methods	Sem V	2022
15)	B.Sc.(H) Mathematics	Elementary Real Analysis	Sem I	2022
16)	B.Sc.(H) Mathematics	Ring Theory and Linear Algebra II	Sem VI	2023
17)	B.Sc.(H) Mathematics	Calculus	Sem II	2023
18)	SEC	SEC- IT Skills and Data Analysis I	Sem III	2023
19)	GE	GE-Fundamentals of Calculus	Sem I	2023
20)	B.Sc.(H) Mathematics	Discrete Mathematics	Sem III	2023
21)	B.Sc.(H) Mathematics	Ring Theory and Linear Algebra II	Sem VI	2024
22)	GE	GE-Introduction to linear Algebra	Sem II	2024
23)	B.Sc.(H) Mathematics	Ring Theory	Sem V	2024
24)	B.Sc.(H) Mathematics	Discrete Mathematics	Sem III	2024
25)	VAC	Digital Empowerment	Sem III	2024
26)	B.Sc.(H) Mathematics	Advanced Linear Algebra	Sem VI	2025

Research Guidance							
Publications Profile							
<ol style="list-style-type: none"> 1. V. Ravichandran and Shelly Verma, Generalized Zalcman conjecture for some classes of analytic functions, <i>Journal of Mathematical Analysis and Applications</i>, Volume 450 (2017), no. 1, 592-605. 2. V. Ravichandran and Shelly Verma, Estimates for coefficients of certain analytic functions, <i>Filomat</i> 31 (11) (2017), 3539-3552. 3. Sushil Kumar, V. Ravichandran and Shelly Verma, Initial coefficients of starlike functions with real coefficients, <i>Bulletin of the Iranian Mathematical Society</i> 43 (6) (2017), 1837-1854. 4. Shelly Verma and V. Ravichandran, Radius problems for ratios of Janowski starlike functions with their derivatives, <i>Bulletin of the Malaysian Mathematical Sciences Society</i>, Volume 40 (2017), no. 2, 819–840. 5. V. Ravichandran and Shelly Verma, Bound for the fifth coefficient of certain starlike functions, <i>Comptes Rendus Mathematique</i>, Volume 353 (2015) no. 6, 505–510. 							
Conference Organization/Presentation							
S.No	Type of Event	Name of Event	Venue of conference	Date of conference (Start date – End Date)	Attended	paper presented	No of papers presented
1)	National Conference	National Conference on Advances in Mathematical Analysis and Its Applications	P.G.D.A.V. College, University of Delhi	November 8-10, 2019	Yes	Yes	01
2)	International Conference	International Conference on Mathematical analysis and its applications	Department of Mathematics, IIT Roorkee	November 28, 2016- December 2, 2016	Yes	Yes	01
3)	National Conference	National Conference on Algebra, Analysis, Coding and Cryptography	Department of Mathematics, University of Delhi	October 14-15, 2016	Yes	Yes	01
Research Projects (Major Grants/Research Collaboration)							
Awards and Distinctions							

- Awarded Prof. Ram Behari medal for being the best candidate in Delhi University in M.A/M.Sc (Mathematics) Examinations held in 2010.
- Awarded Smt. Sivakama Radhakrishnan medal for being the best women candidate in M.A (Mathematics) Examinations held in 2010.
- Secured first position in college in B.A (Hons.) Mathematics.

Association with Professional Bodies

Other Activities

- Resource Person in SDP on In-House Skill Development Program on Enhancing Learning through ICT Tools held during September 13-14, 2024 in DRC.
- Worked as a convener of Affine- Mathematics Association, DRC from July 2023-June 2024.
- Worked as a member of B.A(P) committee, DRC from July 2023-June 2024.
- Worked as a member of Students Amenities committee, DRC from July 2023-June 2024.
- Worked as a co-convener of Affine- Mathematics Association, DRC from October 2022-June 2023.
- Resource Person in SDP on In-House Skill Development Program on Enhancing Learning through ICT Tools held during August 23-24, 2023 in DRC.
- Worked as a member in Screening Committee (political science department, DRC) from December 2022-June 2023.
- Participated in a workshop on 'Mathematical Data Science and Applications' organized by Miranda House, University of Delhi during June 15-21, 2023.
- Participated in Two Weeks Refresher Course on 'Managing Online Classes and Co-creating MOOCS 25.0' organized by Teaching Learning Centre Ramanujan College, University of Delhi during April 07, 2023-April 21, 2023.
- Participated Faculty Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" organized by Teaching Learning Centre Ramanujan College, University of Delhi during February 20, 2023-March 21, 2023.
- Invigilator and Evaluator in VVM, organized by DST and NCERT Delhi, on 08-01-2023 at DRC.
- Resource Person in SDP on In-House Skill Development Program on Enhancing Learning through ICT Tools held during November 26-27, 2022 in DRC.
- Attended a national Webinar on 'Use of Modern Optimization Techniques to Solve Real-Life Problems' by Prof. Kusum Deep, organized by Department of Mathematics, Maitreyi College (August 2, 2021)
- Attended a national Webinar on 'Non-uniqueness of Fixed Points, Its Geometry and Applications' by Dr. Anita Tomar, organized by Department of Mathematics, Maitreyi College (July 16, 2021).
- Attended a webinar on 'Exploring Future Applications of Mathematics through Optimization' by Dr. Jagdish Chand Bansal, organized by Department of Mathematics, Maitreyi College (July 4, 2021).
- Contributed in creating e-content for the ten days online certificate course on "Productivity Software and Mathematical Tools" organized by the Department of Mathematics, Maitreyi College, University of Delhi from June 14- June 24, 2021.
- Worked as a member in departmental time table and workload committee at Maitreyi college in the session 2021-22.
- Worked as member in NAAC committee (criteria 1) of Maitreyi college in 2021-22
- Worked as a mentor in 12-hour online lecture series on "Conceptual Introduction to Differential Calculus" organized by the Department of Mathematics, Miranda House, University of Delhi (September 18, 2020 to October 1, 2020).
- Worked as coordinator for department association of Maitreyi college for the session 2019-20.
- Participated in an Online lecture series on Conceptual Introduction to Differential Calculus organized by Miranda House, University of Delhi from September 18, 2020 to October 1, 2020
- Workshop on "Calculus: The Geometrical Way" organized by the Department of Mathematics, Miranda

House, University of Delhi (September 19-20, 2019).

- One week FDP on Understanding the Connection of Mathematics with the world around us: An Application Based Learning organized by Department of Mathematics, Hansraj College, University of Delhi (June 20-26, 2019).
- Workshop on “Indian Women and Mathematics” organized by Department of Mathematics, University of Delhi (April 2-4, 2015).
- Workshop on Research Metrics organized by Research Council and Delhi University Library System, D.U on February 26, 2015.
- Research Scholar Seminar organized by Department of Mathematics, University of Delhi (23-24 February, 2015) and presented a research paper entitled “Bound for the fifth coefficient of certain starlike functions”.
- Workshop on Information literacy and competency organized by Delhi University Library System, University of Delhi (February 19, 2014).
- Research Scholar Seminar organized by Department of Mathematics, University of Delhi (September 21-22, 2013).