



## CURRICULUMVITAE

**Ms. Shivani Indora**



<b>EMAIL</b>	shivani@sophiacollegeajmer.in
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### **EDUCATIONAL QUALIFICATION**

S.NO.	NAME OF THE DEGREE
1	M.Sc. Mathematics (Gold Medalist)
2	NET - JRF
3	Ph. D (Pursuing)
4	GATE
5	RSCIT

**TEACHING EXPERIENCE:** U. G. 7 Years

### **CURRENT STATUS/POSITIONS/RESPONSIBILITIES HELD:**

S.No.	CONTRIBUTION IN COLLEGE ACTIVITIES / COMMITTEES/ACADEMIA
1.	Assistant Professor & Head Department of Mathematics, Sophia Girls' College (Autonomous), Ajmer
2.	Convenor, Board of Studies (BOS)
3.	Member of Staff Council
4.	Member of Academic Council
5.	Course-coordinator of SEC- Quantitative Aptitude
6.	Co-ordinator, Ramanujan –The Mathematics Forum
7.	Member, Equal Opportunities/SC/ST/OBC Cell
8.	Member, Environmental and Energy Audit Committee
9.	Member, Coaching for Competitive Examination
10.	Member, Coaching for NET Examination
11.	Member, Admission Committee
12.	Member, Gender Sensitization Cell
13.	Group Teacher ( Mentor) of B.Sc. (Mathematics) II Year

**RESEARCH EXPERIENCE: 5 Years**

### **RESEARCH PUBLICATIONS**

S.No.	Year	Title of the Paper/Chapter/Book	National/ International	Name of the Journal/Book/Peer Reviewed Journal / Non-Peer Reviewed Journal /E-Journal
1.	2018	Types of Semiconductor , its	International	International Journal for Research in Applied Sciences &

		uses and Application		Engineering Technology, Vol. 6, Issue XI, Nov 2018. ISSN: 2321 – 9653
2.	2021	Ambient air quality parameters: A case study of Sophia Girls' College, Ajmer (India)	International	International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS), Vol. 11, Issue I, June 2021 ISSN (P) 2250 – 0065

### RESEARCH PAPER PRESENTATION

S. No.	Date	Title of the Paper	Name of the event	Name of the organizing agency	National/ International
1.	29-04-2022 to 30-04-2022	On a New Subclass of Multivalent Functions Defined by using Generalised Ruscheweyh Derivative	International Conference on Contemporary Research on Mathematics and Computer Science (ICCRMCS-2022)	Shri Ram Murti Smarak College of Engineering & Technology, Bareilly, U.P.	International
2.	05-05-2022 to 7-05-2022	On a Certain Subclass of Multivalent Functions Associated with a Fractional Calculus Operator	International Conference on Mathematical Science and its Recent Advancements (ICMSRA-2022)	Rathinam College of Arts and Science, Coimbatore-21	International

### SEMINARS/ CONFERENCES/ WORKSHOPS / WEBINARS – ORGANISED /PRESENTED/ ATTENDED

S. No.	YEAR	TITLE	NATIONAL/ INTERNATIONAL
1.	2022	International Conference on Mathematical Science and its Recent Advancements (ICMSRA-2022)	International
2.	2022	International Virtual Seminar on Teaching Mathematics using Maple	International
3.	2021	Lectures on the Significant Role of Algebra and Differential Equations in the 21 <sup>st</sup> Century	National

4.	2021	National webinar on Plagiarism Detection and Removal	National
5.	2021	International webinar on Fluid Dynamics	International
6.	2020	Theory and Application of Special Function and Fractional Calculus	National
7.	2020	Mathematical Modelling and Data Analysis	International
8.	2020	Impact of Digital Threats and Cyber Risks During COVID -19	International
9.	2020	Key Insights on Intellectual Property Rights: An Interface and Emerging Issues	National
10.	2020	Technology Enabled Higher Education in India- Opportunities and Challenges	National
11.	2020	Quality in Teaching, Learning and Evaluation- A Need for Academic Excellence	National
12.	2020	Basics of Documentation using LATEX	National
13.	2020	“Revised Assessment and Accreditation Framework for Higher Education Institutions in India”	National
14.	2020	New Dimension in Commerce and Management Practices – Perspective 2030	International
15.	2019	Real life application of Machine Learning and Image Processing using MATLAB	International
16.	2019	Instrumentation Technique for Research in Chemical Sciences	National
17.	2019	Advanced Excel for Teaching and Research: Data Management and Data Analysis	National
18.	2019	E-Learning and MOOCS in Higher Education	National
19.	2019	Future Innovation and Research in Science and Technology	National
20.	2019	IOT ignite	National
21.	2018	Advances in Science and Technology- an Interdisciplinary Approach	National
22.	2018	Emerging Trends & Scope in the Banking Sector with Special Reference to the Present Indian Scenario	National

23.	2018	Intellectual Property Rights	National
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#### **FACULTY DEVELOPMENT PROGRAMME – ATTENDED**

<b>S.NO.</b>	<b>YEAR</b>	<b>TITLE</b>	<b>NATIONAL/ INTERNATIONAL</b>
1.	2021	Demystifying Mathematics through Bloom's Taxonomy	National
2.	2020	Maths India Week Celebration	National
3.	2020	Research Methodology, Ramanujan College, Delhi	National
4.	2020	Institutional Benchmarking of Best Practices	National
5.	2020	Women in Higher Education: Issues and Challenges during Corona Pandemic	National
6.	2020	e- Content Development Methodology : Four Quadrant Module, OERs and Copyright issues	National
7.	2020	Writing interdisciplinary research project	National
8.	2019	Life Skills Education, Sophia Girls' College	National
9.	2018	Perspective of Effective Teaching, Sophia Girls' College	National

#### **ORIENTATION PROGRAMME – ATTENDED**

<b>S.NO.</b>	<b>YEAR</b>	<b>TITLE</b>	<b>ORGANISED BY</b>
1	2020	4 Week orientation programme for " Faculty in universities/ College/ Institutes of Higher Education"	Ramanujan College, Delhi

#### **REFRESHER COURSE – ATTENDED**

<b>S.NO.</b>	<b>YEAR</b>	<b>TITLE</b>	<b>ORGANISED BY</b>
1	2021	Refresher Course in Applicable Mathematics	Ramanujan College, Delhi