

Name : Dr. Mrs. S.DEEPA

Designation : Assistant Professor

Department : Mathematics (UG – SF)

Qualification : M.Sc ., M.Phil .,Ph.D.,

Experience : Teaching -13 Years

Research : 6 Years

AreaofSpecialization(s) : Topology

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AcademicQualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D	Mathematics	PSGR Krishnammal College for women, Coimbatore	2026
M.Phil.	Mathematics	PSGR Krishnammal College for Women,coimbatore	2011
M. Sc.	Mathematics	PSGR Krishnammal College for Women,coimbatore	2009
B.Sc.	Mathematics	Hindusthan College of Arts and Science ,coimbatore	2007

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	Coursera	What is Data Science?, IBM Skills Network	2022
Certification	Coursera	IBM Data Topology, IBM	2022
Certification	Coursera	Python for Data Science, AI & Development, IBM	2025
Certification	Coursera	Business Analytics using Excel, CBAP	2025

Research Publications (Indexed)

- Supra b^* -closed sets in supra topological spaces, Parvathy C.R , Deepa .S, International Conference on Recent Trends in Mathematics and Computer science (2023).Published (Conference proceedings) (**Scopus**).
- Supra regular b -closed sets in Supra Topological spaces, Parvathy C.R , Deepa . S, Tuijin Jishu/Journal of propulsion Technology,45(3)(2024), 1446-1452.(**Scopus**)
- On Neutrosophic Supra regular b -closed sets in Neutrosophic supra topological spaces, Parvathy C.R , Deepa .S, International journal of multidisciplinary Research,7(1)(2025), 1-7. (**UGC approved**).
- On Supra regular b -continuous and irresolute functions in supra topological spaces, Parvathy C.R , Deepa .S, Indian Journal of Natural Sciences (**WOS**).

Paper Presentations in Conference

- On supra regular b - open set ,International conference on Recent advances in Nonlinear functional analysis and its applications, Andra university, Visakhapatnam , January 29-30,2022.
- Supra b^* -closed sets in supra topological spaces, International Conference on Recent Trends in Mathematics and computer science,Auxilium College of Arts and Science for Women,Pudukkottai.October 19-21, 2023.
- Supra regular b -interior and closure in supra topological spaces, Third National Conference on Mathematics: Pure, Applied and Computational (NCPAC25), May 14th 2025.

Participation in Conference

- Participated in the two days National Conference on Algebra and Analysis , PSGR Krishnammal College for Women , 23rd & 24th of August 2013.
- Participated in the International Conference on Applications of Mathematics in Engineering,Science and Technology, PSGR Krishnammal College for Women , 7th -9th January 2016.
- Participated in the National Conference on Mathematics and computer Techniques in Industries, PSGR Krishnammal College for Women, sponsored by NBHM, 22nd & 23rd March 2016.
- Participated in the National Conference on Recent Developments in Differential Equations and their Applications, sponsored by NBHM, PSGR Krishnammal College for Women , 4th & 5th March 2016.
- Participated in the National Conference on Recent advances in nonlinear functional analysis and its applications , Andhra university , Visakhapatnam , 29/01/2022 - 30/01/2022.
- Participated in the International Conference on Recent Trends in Theoretical and Computational Mathematics - Conference - PSGR Krishnammal College for women, 24/02/2022 - 25/02/2022.

Participation in Seminars

- International Virtual Seminar on "Topology and its applications" ,Kongunadu Arts and Science College, 18/11/2020 - 18/11/2020.
- TEQIP - III One day Seminar on Applications of Differential Equations, Institute of Technology,

Coimbatore, 12/03/2021 - 12/03/2021.

- Online Seminar titled “Mathematical Modelling in Image Processing”, Dr. M.G.R. Educational and Research Institute, 28th Aug 2024.
- International Guest Lecture on “What is Gaussianity in Non commutative Probability? And, Why do we care?” SRMIST, 29th Nov 2024.
- Online Seminar titled “Role of Algebra in Real Life”, Dr. M.G.R. Educational and Research Institute, 29th Jan 2025.

Participation in Workshop

- Participated in the Science Academic Lecture workshop on Differential Equations and their Applications, 21st to 23rd December 2011.
- Participated in the Workshop on Latex Training , PSGR Krishnammal College for Women , 30th & 31th 2012.
- Participated in two days hands on SPSS training program, PSG College of Arts and Science, 6th & 7th February 2013.
- Participated in the Two days workshop on MATLAB, PSG College of Technology, 23rd to 24th February 2013.
- Participated in the Science Academic Lecture workshop on Recent Trends in Functional Analysis, PSGR Krishnammal College for Women ,2nd to 4th January 2014.
- Participated in the one day workshop on MATLAB, PSG College of Technology, 16th March 2014.
- International Workshop on “Introduction to Mathematical Ecology”, SRMIST, 4th Feb 2022.
- International Workshop on “Academic Writing – Ethical issues”, Global Institute of Statistical Solutions, 3rd to 5th Sep 2022.
- 3rd National Workshop on “Recent Trends in Mathematics”, St.Peter’s Institute of Higher Education & Research, 13th Apr 2023.
- Three Days International Virtual Workshop on “Applied Mathematics”, SRMIST, 6th to 8th February 2023.
- One day national workshop on Graph Theory , SAAMA, West Bengal , 22nd September 2024.
- Workshop titled “LaTeX for Academic Writing”, Dr. M.G.R. Educational and Research Institute, 3rd & 4th Jun 2025.

Participation in Faculty Development Programme

- Six days International Faculty Development Programme on "ASTUTE-EFFLUX TRENDS IN MATHEMATICS", SNS College of Arts and Science, 2nd to 7th July 2020.
- One week online FDP on “Effective and Instructive Research” Sona College of Technology , 4th to 10th May 2020.
- Online FDP – Hands on Training on Google Classroom ,PSGR Krishnammal College for women, 1st to 6th July 2020.
- Online Faculty Development Programme on “A First Look at Mathematical Software” Dr.N.G.P. INSTITUTE OF TECHNOLOGY, 15th to 19th July 2020.
- Design Thinking , FDP, PSGR Krishnammal College for Women , March 25th to April 29th 2022.

- Two Week Online International Faculty Development Programme on "Current Trends in Applications of Mathematics" , Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, 21-09-2022 to 04-10-2022.
- Seven Days National online FDP on "Research Methodology ,Analysis, Tools & Techniques" Theivanai Ammal College for Women (Autonomous), Villupuram , 28.12.2022-03.01.2023.
- “Five Days Faculty Development Programme” on “Exploring Real-world Applications in Mathematics”, Sciences,Vels Institute of Science,Technology and Advanced Studies (VISTAS), 22nd to 26th April 2024.
- Faculty Development Programme on “Essentials of Data Science” Vellore Institute of Technology,15th to 19th May 2023.
- One Week National Level Faculty Development Program on "Writing Research Articles using LaTeX - Overleaf" Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur,9th to 13th September 2024.
- International FDP “Fronteirs of Mathematics”, SRMIST, 5th Jul to 19th Jul 2023.
- International FDP “Current Trends in Applications of Mathematics”, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, 21st Sep to 4th Oct 2022.
- National FDP on “Research Methodology: Analysis, Tools & Techniques”, Theivanai Ammal College for Women, 28th Dec 2022 to 3rd Jan 2023.
- FDP on “Open Source Software Tools for Research”, Vellore Institute Technology, 13th to 17th Mar 2023.
- FDP on “Essential of Data Science”, Vellore Institute of Technology, 15th to 19th May 2023.
- Faculty Enhancement Programme, PSGR Krishnammal College for Women, 5th to 10th Jun 2023.
- International FDP on “Recent Trends in Graph Theory and Mathematical Modelling & its Applications, Mohamed Sathak A. J. College of Engineering, 12th to 16th Jun 2023.
- “A Five – Day Online FDP on Advances in Graph Theory”, Vellore Institute of Technology, 11th to 15th Sep 2023.
- FDP on “Empowering Academicians: AI – Powered Research for Excellence”, PSGR Krishnammal College for Women, 3rd Oct 2023.
- FDP on “Stress Management”, PSGR Krishnammal College for Women, 4th Oct 2023.
- FDP entitled “Recent Trends in Mathematics and Technology”, OP Jindal University, 9th to 13th Oct 2023.
- FDP on “Recent Advances in Mathematical Analysis & its Applications”, St. Joseph’s College of Engineering, 22nd to 23rd Nov 2023.
- National Online FDP on “Research Methodology: Ethics & Publications”, Theivanai Ammal College for Women, 22nd to 26th Jan 2024.
- International FDP on “Exploration of Mathematics in Emerging Fields”, PPG College of Arts and Science, 21st to 25th Feb 2024.
- International Virtual FDP on “Mathematics and its Application”, PSGR Krishnammal College for Women, 11th to 15th Mar 2024.
- FDP on “Exploring Real – world Applications in Mathematics”, Vels Institute of Science, Technology and Advanced Studies, 22nd to 26th Apr 2024.

- FDP on “Mathematical and Computational Aspects of Industry 4.0”, Haldia Institute of Technology, 3rd to 7th Jun 2024.
- FDP on “Exploring New Horizons in Mathematical Research”, V.O.Chidambaram College, 19th to 24th Aug 2024.
- National level FDP on “Writing Research Articles using LaTeX – Overleaf”, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya , 9th to 13th Sep 2024.
- International FDP on “Innovative Applications of Mathematics”, Bapatla Engineering College, 18th to 23rd Nov 2024.
- FDP on “Programme on Latex”, Meerut Institute of Engineering and Technology, 9th, 23rd, 30th Nov & 7th, 14th Dec 2024.
- International FDP on “Futuristic Pathways in Technology and Computational Methodologies”, Mary Matha College of Arts and Science, 6th & 11th Jan 2025.
- FDP on “Future Trends in Machine Learning and Data Science – Driven IOT Applications”, Haldia Institute of Technology, 10th to 13th Mar & 17th Mar 2025.
- FDP on “AI in Healthcare Management”, PET Engineering College, 16th to 22th Jul 2025.
- International FDP titled “Exploring Emerging Trends and Future Directions of Pure & Applied Mathematics”, PSGR Krishnammal College for Women, 12th to 18th Feb 2026.
- National FDP on “Research Ethics and Data Analysis using AI Tools”, St. Joseph’s College, 17th to 23rd 2026.

Participation in Webinar

- Virtual Awareness Programme on " Scholastic Backwardness in Children - Tips for Early Identification " Brio Bliss Life Science Pvt Ltd , 13th October 2020.
- Talk on “Ramsey Theory: An Introduction Through Number Theoretic Problems”, IIT Bombay, 13th Nov 2021.
- International webinar series- Advances in Applied Mathematical sciences, Newman College , Kerala, 20th to 24th September 2021.
- Talk on “Number theory & its Applications”, SRMIST, 22nd & 23rd Dec 2021.
- Talk on “Application of Probability & Statistics in Defence”, SRMIST, 29th Jun 2022.
- Talk on “Ways to Handle Life’s Stressors”, SRMIST, 13th Aug 2022.
- “Rights of a Girl Child in India: Government Schemes” , SRM Institute of Science and Technology, 24th Jan 2023.
- National level Webinar on “World of PI”, S. S. C. College of Arts & Commerce, 14th Mar 2023.
- International Webinar on “Introduction to Normal Linear Spaces”, SRMIST, 3rd Apr 2023.
- Expert Talk on “Maxims of Teaching”, SRMIST, 4th Sep 2023.
- Series of lectures,” Infinite Insights: Unveiling Mathematical Marvels”, SRMIST, 18th to 21st Dec 2023.
- International Guest Lecture on “What is Gaussianity in Non commutative Probability? and, Why do we Care?,” SRM Institute of Science and Technology, 29th November 2024.
- One day national webinar ‘ Recent Progress in Mathematical Sciences’, Government Engineering College , Bhojpur, Bihar, 14th March 2024.
- Three Days online Excel webinar , Institute to Improvement , 8th to 10th March 2024.

- Talk on “Reaching the Success and Coping with the Failure”, SRMIST, 16th Aug 2024.
- Series of Lectures “Infinite Insights: Unveiling Mathematical Marvels”, SRMIST, 18th to 21st Dec 2024.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Board of studies	Member	2013 till date

Contribution

- Committee member, NAAC Criteria V (2019 till date)
- Overall Karishma Coordinator till date
- Committee member , NIRF -2022 till date
- IGAUGE ,2026
- E-Content Coordinator 2022
- Ganita Association - 2018
- Admission Incharge – 2020

Contact Details

IRINS Link : <https://psgrkcw.irins.org/profile/135915>