

Name : Ms.D.Jeyanthi Prassanna
Staff ID : RCAS02178
Designation : Assistant Professor & Head(i/c)
Department : Mathematics
Experience : 17 Years
Qualification : M.Sc., M.Phil.
Specialization: Graph Theory
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ACADEMICS

Degree	Branch	Institution / University	Year of Completion
M.Phil	Mathematics	Sri Vasavi College,Erode	2006
M.Sc	Mathematics	Maharaja College for Women, Perundurai	2004
B.Sc	Mathematics	Maharaja College for Women, Perundurai	2002

Diploma / Certification	Specialization	Institution / University / Agency Name	Year of Completion
Certification	Welcome to Game Theory	Coursera	2020
Certification	Assessment in Higher Education: Professional Development for Teacher	Coursera	2020
Certification	Big Data Integration and Processing	Coursera	2020
Certification	Vector Calculus for Engineers	Coursera	2020
Certification	Differential Equations for Engineers	Coursera	2020
Certification	Innovation Through Design: Think, Make, Break, Repeat	Coursera	2023
Certification	Introduction to Data Science	Simplilearn	2025
Certification	Research Collaboration	Elsevier Research Academy	2025
Certification	Research Design	Elsevier Research Academy	2025
Certification	Creating a good research data management plan	Elsevier Research Academy	2025
Certification	How to enhance your chances of serendipitous research discovery	Elsevier Research Academy	2025
Certification	Making academia-industry collaboration Work	Elsevier Research Academy	2025

RESEARCH:

GUIDANCE

Program	No. of Scholars 5	
	Completed	Pursuing
M. Phil.	5	-

Journal Publications

- Prassanna, D. J. (2016). Statistical analysis of engine parameter for 4-stroke engine for fuel efficiency. International Journal of Multidisciplinary Research Review. ISSN: 2395-1877.
- Prassanna, D. J. (2016). An efficient graphical model for analyzing and determining the structural objects with various dimensions. International Journal of Multidisciplinary Research Review. ISSN: 2395-1877.
- Prassanna, D. J. (2019). Achromatic number of some graphs formed from the tensor product of simple graphs. Journal of Information and Computational Science (UGC Care Group-II Certified Journal). ISSN: 1548-7741.
- Prassanna, D. J. (2020). Application of operations research for production management in SKB Soft Solutions. Journal of Information and Computational Science.
- Prassanna, D. J. (2020). A study on analysis of variance by one way ANOVA. Multidisciplinary Journal.
- Prassanna, D. J. (2020.). Domination in fuzzy graphs. International Journal of Advanced Research in Engineering and Technology (IJARET). ISSN: 0976-6480.
- Prassanna, D. J. (2020). A study on forecasting technique in the sugarcane production. Journal of Education: Rabindra Bharati University. ISSN: 0972-7175.
- Prassanna, D. J. (202). Operations research in the natural resource industry like agriculture. NIU International Journal of Human Rights.
- Prassanna, D. J. (2022). A review on a fuzzy expert system for heart disease diagnosis. Anvesak.
- Prassanna, D. J. (2022). Operational research and artificial intelligence methods in banking, Monte Carlo simulation and fuzzy logic. Anvesak. ISSN: 0378-4568.
- Prassanna, D. J. (2023). Exploring numerical analysis in its field of divergence. International Journal of Humanities, Law and Social Sciences. ISSN: 2348-8301.
- Prassanna, D. J. (2023). Applications of topology in research and technology. Journal of the Asiatic Society of Mumbai. ISSN: 0972-0766.

Book Chapters

- Prassanna, D. J. (2022). Opportunities in media industry post Covid-19 pandemic. Clever Fox Publishing. ISBN: 9789391537906
- Prassanna, D. J. (2023). Emerging trends in multidisciplinary research (ETMR). Association of Global Academician and Research (AGAR) Publication.
- Prassanna, D. J. (2024). Applied artificial intelligence. IOT Academy Publishers. ISBN: 978-93-93622-38-9
- Prassanna, D. J. (2025). Current approaches in mathematics. IOT Academy Publishers. ISBN: 978-93-48990-37-2

Books

- Prassanna, D. J. (2015). Quantitative aptitude. RCAS.
- Prassanna, D. J. (2015). Quantitative aptitude & verbal reasoning. RCAS.
- Prassanna, D. J. (2025). Introduction to linear algebra. Saliha Publication. ISBN: 9789348325907
- Prassanna, D. J. (2025). Business statistics. Saliha Publication. ISBN: 9789348325303
- Prassanna, D. J. (2025). Emerging trends in research and technology. AGAR. ISBN: 978-937013666-3

Proceedings

- Prassanna, D. J. (2019). DNA harmonious coloring graph and its applications. P.K.R. Arts College for Women.
- Prassanna, D. J. (2021). Application of concepts of neighbours to knowledge graph completion. RCAS.
- Prassanna, D. J. (2021). A study on forecasting technique in sugarcane factory in India. SRM Institute of Science and Technology, College of Engineering and Technology.
- Prassanna, D. J. (2022). Operational research and artificial intelligence methods in banking and fuzzy logic. Sri Ramakrishna College of Arts & Science.
- Prassanna, D. J. (2022). Applications of operations research in various fields. SRM Institute of Science and Technology.
- Prassanna, D. J. (2022). Applications of discrete mathematics in various fields. RCAS.
- Prassanna, D. J. (2023). Inventory control manufacturing model without shortage. Chikkanna Government Arts College.
- Prassanna, D. J. (2024). The prime labelling of the Grotzsch graph. PSGR Krishnammal College for Women.
- Prassanna, D. J. (2025). An exploration of Indian women in mathematics. Dr. N.G.P. Arts and Science College.

PRESENTATIONS

	State Level	National	International
Conference	-	2	6
Seminar	8	-	-

PARTICIPATION

	State Level	National	International
Conference	-	2	1
Seminar	1	3	1
Workshop	-	7	3
FDP/PDP	40	10	10

Events Organized (Seminar/Conference/Workshop)

- National Level Conference on Recent Trends in Pure & Applied Mathematics on September 5, 2015
- Seminar Series on Mathematics in Industry: Industrial Mathematics and Its Recent Advancements for Innovation on September 16–18, 2022
- World Statistics Day: Recent Trends in Data Analytics on October 20–21, 2022
- Workshop on Advanced Techniques in Patent Analytics: Combining Mathematical Models and Statistical Methods on August 20, 2024
- Five-Day National Level FDP on Empowering Educators with Modern Tools in Mathematics and Statistics on November 25–29, 2024

AWARDS, HONORS AND RECOGNITION

Awards / Honors /Recognition	Agency / Institution	Year of Award
Best Professor Award	Wisdom Path Foundation	2025
Kalam Award	Silampoli Award	2025
Academic excellence Award	AGAR	2025
Best Teacher Award	Tamil Thai Foundation	2025
Golden Guru Award	GRT Jewellery	2025
Rathinathin Rathinam Award	RCAS	2025
International Academic Excellence Award	12OR	2024
Best Student Friendly Teacher	RCAS	2015