

Personal Information

Name	Ms.Rajani
Years of Experience	Teaching :17 years
Email Id	Rajani.m@bvrithyderabad.edu.in
Areas of Specialization	Pure mathematics



Educational Qualifications

Doctoral Degree	PhD	Pursuing Ph.D from NIT WARANGAL
PG Degree	M.sc.	Pure mathematics
UG Degree	B.Sc, BEd	Maths, Physics, Chemistry

Papers Published

International Journal Publications

1. "Pisot Numbers property by Fibonacci Sequence" International journal of Engineering Technology Science and Research ISSN 2394 – 3386, Volume 4, Issue 11, November, 2017.
2. "Common fixed points of generalized Geraghty-cyclic contractive maps". - International Journal of Multidisciplinary and Current Research - ISSN: 2321-3124).
3. "Design and fabrication of a solar sprayer"-Second international conference on emerging trends in engineering and management research (ICETEMR-17, ISBN:978-93-86171-46-7).

International Conference Publications

1. "Using Machine Learning to Analyze Twitter's Sentiment"2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) | 979-8-3503-1590-5/23/\$31.00 ©2023 IEEE | DOI: 10.1109/ACCAI58221.2023.10199230.(published in 04 August 2023)
2. "Period doubling bifurcation analysis of a simple nonlinear differential equation using numerical scheme". – Paper accepted for publication in a special issue in ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL. (SCOPUS) (published in September 2020)
3. "Numerical estimation of no-relativistic vlasov N-body model using semi lagrangian schemes" Journal of mechanics of continua and mathematical sciences ISSN (online):2454-7190 vol-14.No-6. November – December (2019) 347-353 ISSN (print) 0973-8975. {WEB OF SCIENCE}

PATENTS

1. "Strategies for Effective Mathematics Pedagogy with Technology". Publication, Date: 21/06/2024
2. "Methods for Enhancing Problem –Solving and Critical Thinking in Mathematics". Publication Date: 21/06/2024

FDP's Attended / Conducted

1. "Pisot Numbers Property by Fibonacci Sequence" Institute of Engineers, Somajiguda, Hyderabad, 03 December, 2017.
2. "International conference emanate & innovative trends in engineering, management and sciences" ICEITEMS-2019, Malla Reddy Institute of Technology, 8 & 9 November 2019.
3. "Current advanced in science for engineering and medical applications interdisciplinary approach (CASEMA-2020)", organized by department of physical science, Kakatiya institute of technology & science, Warangal, Telangana from 3rd To 7th July 2020.
4. "Creative adaptation with latest IT trends", organized by department of computer science, Kerala from 13 July to 17 July 2020
5. "Effective proposal writing for research and funding", organized by electronics telecommunication engineering in association with IEEE women in engineering from 13th may to 18th may 2020, organized by Sandip Institute Of Technology & Research Centre, Nashik.
6. "Principles of Management Faculty Development Program from 18.05.2020 to 22.05.2020 conducted by CSE Department from Panimalar Institute of Technology in association with CSI and IEEE Computer Society", organized by Jai Sakthi Educational Trust, Chennai-600123
7. Faculty development program on "Empowering teachers for smart teaching" held from 05 may 2020 to 11 may 2020 organized by St Joseph's Pu College, Bengaluru 560025.
8. "Latest Trends and Challenges in IT Industry", from 15.06.2020 to 20.06.2020 organized by R.M.D Engineering College. Tamil Nādu.
9. "An Emerging Paradigm Of Low Power Computational Vlsi Design", from 16.06.2020 to 20.6.2020 organized by B V Raju Institute of Technology. Hyderabad.
10. National Level Five Day faculty development program on "Scilab"" in Association With IIT-Bombay (Remote Learning Through Spoken Tutorial)," from 15th - 19th , June 2020 organized by the Department of Science & Humanities organized by St Peter's Engineering College. Hyderabad.
11. Wipro Mission 10X Workshop Conducted at S S Institute of Technology at Gandimaisamma road, Dindigal, and Hyderabad.
12. "Empowering Educators in the Age of Artificial Intelligence", Kannur Salafi B.Ed. College -Kannur, Kerala, Tamil Nadu Teachers Education University - Chennai, Gandhi Shikshan Bhavan's Smt. Surajba College of Education – Mumbai, 12th to 18th February - 2024.

13. "An International Workshop on Recent Trends in Mathematics", organized by Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai from 29th April to 01st May 2023.

14. National Level One Week Faculty Development Programme (Hybrid) on "National Education Policy 2020 - Challenges in Implementation in Higher Education". 18th March 2024 to 23rd March 2024.

15. "Applied Linear Algebra in AI and ML", faculty development programme Conducted by funded by MoE, Govt of India.

Certifications:

1. Methods for enhancing problem –solving and critical thinking in mathematics, NPTEL courses.
2. Strategies for effective mathematics pedagogy with technology, NPTEL courses
3. Completed a course "Differential Equations for Engineers" from
4. Completed a course "Differential Equations for Engineers" from
5. Completed a course "Differential Equations for Engineers" from The Hong Kong University of Science and Technology.
6. Completed a course "Vector calculus for Engineers" from The Hong Kong University of Science and Technology.
7. Completed a course "Matrix Algebra for Engineers" from The Hong Kong University of Science and Technology.
8. Completed a course "Introduction to Calculus" from University of Sydney.