

Mrs.Chetana R

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Department of Mathematics

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Education

	Degree	Year	Institute	Specialization
1	B.Sc	2002	Siddaganga college for women, Bangalore University	Physics, Chemistry, Mathematics
2	B.Ed	2003	Siddaganga College of education, Bangalore University	Physics, Mathematics
3	M.Sc	2006	P G Centre, Bangalore University	Mathematical Modelling
4	M.Phil	2009	Sri Venkateshwara University Tirupati	Graph Theory

Professional Experience

	Year	Designation	Organization
1	2011- Till date	Assistant Professor	Siddaganga Institute of Technology
2	2008-2011	Lecturer	Siddaganga Institute of Technology

Positions held

I have been appointed as one of the co-ordinators for the semester's examination (Controller Of Examinations) and as a timetable coordinator, co-ordinator for an event in Spandana programme, Halycon programme.

Courses Taught

Undergraduate Courses

- Engineering Mathematics-I
- Engineering Mathematics-II
- Engineering Mathematics-III
- Engineering Mathematics-IV
- Graph Theory and Combinatorics
- Discrete Mathematical Structures
- Linear Algebra
- Advanced Mathematics-I
- Advanced Mathematics-II
- Computational Methods for Electrical Sciences
- Foundations for Engineering Mathematics
- Statistics and Probability for Engineering
- Mathematical concepts for Information Technology

PostGraduate Courses

- Discrete Mathematics

Research Areas

- Graph Theory
- Mathematical Modelling

Journals

- Analysis of Position Error in Offset Slider Crank Mechanism
Chetana, R., Vineeth Kumar, T.V.
Journal of Mines Metals and Fuels, 2023, 71(7), pp. 912–916
- Artificial Intelligence Analysis of Protein Compositions on Engineered Nanomaterials
| William, P., Yogeesh, N., Lingaraju, Chetana R
Journal of Nano and Electronic Physics, 2024, 16(4), 04037
- Leveraging Fuzzy Logic for Habitat Suitability Analysis: A Comprehensive Case Study in Digital Ecosystems
Mohammad, S.I., Yogeesh, N., Raja, N., ... Ramesha, M.S., Vasudevan, A.
Applied Mathematics and Information Sciences, 2025, 19(2), pp. 335–347
- Optimizing MIMO Antenna Performance Using Fuzzy Logic Algorithms
Mohammad, S.I., Yogeesh, N., Raja, N., ... Ramesha, M.S., Vasudevan, A.
Applied Mathematics and Information Sciences, 2025, 19(2), pp. 349–364
- The Synergy of Simplicity and Vagueness: Exploring Simple Statistics in Fuzzy Mathematical Frameworks
Mohammad, S.I., Yogeesh, N., Raja, N., ... Vasudevan, A., AlQraini, B.
Applied Mathematics and Information Sciences, 2025, 19(2), pp. 457–465

Conference Proceedings

- Framework for Implementation of Personality Inventory Model on Natural Language Processing with Personality Traits Analysis.
IDCIoT 2023 - International Conference on Intelligent Data Communication Technologies and Internet of Things,

DOI: 10.1109/IDCIoT56793.2023.1005350

- Exploring 5G's Impact on UE-BS Communication Dynamics via 5G Toolkit Simulation.

2nd IEEE International Conference on Networks, Multimedia and Information Technology, NMITCON 2024

DOI: 10.1109/NMITCON62075.2024.10699040