Ms. Dechamma K. K.

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14 years of Academic Experience
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Flexible and organized educational professional with 14 years of teaching expertise with an unparallel ability to explain complicated mathematical concepts in an easily understandable manner. Working as an Assistant Professor & HOD in the Department of Mathematics. I have received my M. Sc and B. Sc degree in Mathematics from Mangalore University. Pursuing Ph.D. in Study on Graph Colouring and Structures at Visvesvaraya Technological University (VTU). My objective is to utilize the skills and abilities in the environment that offers professional growth while being resourceful, innovative and flexible, which helps students to improve their skills.

Areas of expertise (Subjects handled):

- Engineering Mathematics.
- Graph Theory.
- Discrete Mathematical Structures.
- Linear Algebra.

FDP's and Conferences attended:

- International Conference on "Engineering, Science, Management and Advances in Research Technology" organized by T.John Institute of Technology.
- FDP on Curriculum based on AICTE Model collaboration with VTU.
- FDP on "Mathematica and Applications of Mathematics" organized by Pillai College of Engineering.
- Webinar on "Sage Math" conducted by Bangalore Institute of Technology, Bengaluru.
- FDP on "Difference Equations and their Applications" organised by KPR Institute of Engineering and Technology, Coimbatore.
- FDP on "Application of Mathematics in Engineering" organized by KPR Institute of Engineering and Technology, Coimbatore.
- FDP on "Education 4.0" organized by Sai Ram College of Engineering, Bengaluru.
- Webinar on "Vedic Mathematics, Aptitude & Logical Reasoning" conducted by Cambridge Institute of Technology.

- FDP on “Innovation in Mathematics and Usage of Modern Tools” organized by Sir. M. Visvesvaraya Institute of Technology, Bengaluru.
- Workshop on Python Programming for Engineering Mathematics organized by Visvesvaraya Technological University, Belagavi in association with RV College of Engineering, Bengaluru.
- “Mentor’s Training Programme” organized by Career Guidance, Training & Placement Cell, TJGI, Bengaluru.
- FDP on TJfdpIT – 2024: Advanced Pedagogy Skills & 21st Century Soft Skills, at TJIT Bengaluru.
- Training Program on First Aid, Stress Management and Work Life Balance organized by the Human Resource Department, TJGI, Bengaluru.
- Session on TinyML with Edge Impulse organized by Robocraze in association with TJIT, Bengaluru.

List of Publications

Journal Papers:

- Dechamma K. K. & Dr. Rajanna K. R., “The Rainbow – Vertex Connection Number [RVCN] of Subdivision of Certain Graphs, International Journal of Scientific Research in Science, Engineering and Technology, Volume 9, Issue 4, Pg. No. 222-227, July 2022.
- Dechamma K. K., Dr. Rajanna K. R., Dr. Rajendra R., Dr. P. Siva Kota Reddy, “South East Asian Journal of Mathematics and Mathematical Sciences”, Vol. 20, No. 3(2024), pp. 15-24, December 30, 2024.