

DR. PRABHA R

B.E, M. TECH, Ph. D

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My name is Dr. Prabha R, I hold Bachelors in Engineering in Computer Science and Engineering from Madurai Kamarajar University, Tamil Nadu, M. Tech in Computer Science and Engineering from VTU, Belagavi and Ph. D in Computer and Engineering (Machine Learning) from VTU, Belagavi. I have 20 years of total teaching experience. My primary area of interest is Machine learning. Adaptive to discover new developments and stay abreast. Proficient in explaining highly complex engineering theories and practices in a clear and accessible manner to a variety of professional audiences.

Area of Expertise (Subject Handled): Full stack development, Data Science.

Certification: Microsoft Azure AI Fundamentals, Software Developer & Web Developer by NSDC

Honors/Awards

Selected the project at 48th series of student Project Programme (SPP) by KSCST

Prestigious **IndiaAI Fellowship** under the IndiaAI mission – Project title “Sahastra (multilingual Voice Chatbot for comprehensive mental health Support)”

Selected the project at 47th series of student Project Programme (SPP) State level Poster Presentation and Exhibition held during 9-10 August 2024 at Sharnbasva University, Kalaburagi.

As a chair the session in National conference on Advances in Science, Technology, Engineering and Management (NCASTEM 2024), T. John Institute of Technology, Bangalore on **08.05.2024**

As a chair the session in International Conference on Advances in Modern Science and Technology (ICAMSnT-2023), T. John Institute of Technology, Bangalore on **21-22 April 2023**

Publication:

- Rain Streak Removal Using Improved Generative Adversarial Network with Loss Function Optimization, Cognitive Computing Springer Nature 2025.
- Cyber-Physical Control for Smart Transportation Systems in International Journal of Engineering Research.
- Overview of Data Collection Methods for Intelligent Transportation Systems in International Journal of Engineering and Science.
- “KNODET: A Framework to Mine GPS Data for Intelligent Transportation Systems at Traffic Signals” in International Conference on Recent Advances in Electronics and Communication Technology.
- A Comprehensive Insight towards Pre-processing Methodologies applied on GPS Data in International Journal of Electrical and Computer Engineering.
- PPT-NS: Prioritized Progressive Trend Based Navigational System on GPS data with Artefacts in International Journal of Innovative Technology and Exploring Engineering (IJITEE).
- An Autonomous Navigational System using GPS and Computer Vision for Futuristic Road Traffic in International Journal of Electrical and Computer Engineering.

Workshop/Training:

- FDP on Deep Learning & Gen AI Applications by IIT Roorkee.
- IoT, Artificial Intelligence, Machine Learning, and Deep Learning by Intel