



Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: **Computer Science/Computer Applications/Data Science**



Dr. Bharathi V

Associate Professor
Department of Computer Science (PG)
School of Computational & Physical Sciences

Areas of Specialisation:

Machine Learning (Supervised, Unsupervised, Reinforcement),
Deep Learning (CNN, RNN, LSTM, Transformers), Computer Vision and
Image Processing, Artificial Intelligence, Natural Language Processing.

Dr. Bharathi V is an Assistant Professor and researcher with 19 years of diversified experience in academics, software design & development, and customer service delivery. She is currently an Assistant Professor at Kristu Jayanti (Deemed-to-be) University, Bengaluru, where she teaches postgraduate students, mentors research projects, and contributes to curriculum development aligned with NEP 2020 and OBE frameworks. Her research focuses on Machine Learning (Supervised, Unsupervised, Reinforcement), Deep Learning (CNN, RNN, LSTM, Transformers), Natural Language Processing (NLP) and Speech Synthesis, Computer Vision and Image Processing, and Cognitive Computing. She has published multiple Scopus-indexed research papers, including Q1 publications, and holds both utility and design patents. She has presented her work at national and international conferences and has been invited as a guest speaker at various academic forums. She also brings extensive industry experience, having designed over 100 healthcare and clinical websites, developed enterprise applications, and managed projects involving requirement gathering, quality initiatives, and team coordination. A recipient of multiple academic and professional awards, she actively bridges academia and industry through research, innovation, and student development.

Selected Publications:

1. S, B., Mishra, A., **Bharathi, V.**, Mandala, G., K, N., and S, S. (2025). Big Data and Fuzzy Logic for Demand Forecasting in Supply Chain Management: A Data-Driven Approach. Journal of Fuzzy Extension and Applications, (Online First). <https://doi.org/10.22105/jfea.2025.488816.1703>
2. **Bharathi, V.**, S, S., D, A., Bhonsle, M., Pokkuluri, K. S., and V.B, K. (2024). Adaptive Fuzzy Heuristic Algorithm for Data Mining in IoT Integrated Big Data Environments. Journal of Fuzzy Extension and Applications, (Online First). <https://doi.org/10.22105/jfea.2024.484955.1676>
3. **Bharathi, V.**, and Ranjitha, M. (2025). An Optimized Deep Learning Method for Automatic Translator for Ancient Hieroglyphic Language from Scanned Images to English Text. SN Computer Science, 6(6). <https://doi.org/10.1007/s42979-025-04165-0>