



Centre for Research & Development

Research Supervisor (Guide) Profiles

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



Dr. Prathap G

Associate Professor
Department of Computer Applications
School of Computational and Physical Sciences

Areas of Specialisation:

Machine Learning, Artificial Intelligence, Data Mining, Cyber Security

Dr. G. Prathap is an Associate Professor in the Department of Computer Applications with 23 years of teaching and academic experience. He holds a Ph.D. in Machine Learning, awarded in 2024 for his research on “Hybrid Deep Learning Models for Text Summarization and Sentiment Analysis”. His major research interests include Machine Learning, Artificial Intelligence, Deep Learning, Natural Language Processing, Text Summarization, Sentiment Analysis, Data Analytics, Cloud Computing, Cyber Security, and Intelligent Computing. His research contributions include sentiment classification using machine learning algorithms, automatic text summarization, hybrid deep learning models, opinion classification and ranking, educational data prediction, healthcare analytics, IoT-based anomaly detection, and intelligent transportation systems. His research publications include works appearing through Springer and IEEE Xplore, covering technologies such as CNN, Firefly Algorithm, SVM, GRU, ConvLSTM, Graph Neural Networks, and Deep Q-Learning. Dr. Prathap has received recognitions including the Best Researcher Award and Excellence in Teaching Award. He has filed patents in Artificial Intelligence, Deep Learning, IoT, and Virtual Reality and has authored books in Computer Science and Information Technology. He also contributes as a research mentor, reviewer, resource person, and conference convener.

Selected Publications:

1. **Prathap, G.**, & Rathinasabapathy, R. (2023). A Text Summarization Hybrid Approach Using CNN and the Firefly Algorithm. SN Computer Science, 5(1). <https://doi.org/10.1007/s42979-023-02421-9>
2. **Prathap, G.**, Rathinasabapathy, R., Sathish Kumar, C., & Prakash, V. S. (2026). Deep Integrative Framework Towards Opinion Classification and Opinion Ranking of Online Product Review Using Fuzzy Logic Technique. Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-10016-0_47
3. Muniappan, R., Devi Devarajan, S., Subbarayalu Ramamurthy, L., Balakumar, A., **Prathap, G.**, Palanisamy, S., ... Bhaarathi, I. (2025). An optimized deep learning framework based on LEE for real time student performance prediction in educational data. Bulletin of Electrical Engineering and Informatics, 14(5), 3671–3682. <https://doi.org/10.11591/eei.v14i5.9773>