



Centre for Research & Development

Research Supervisor (Guide) Profiles

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



Dr. Sheeja S

Associate Professor
Institute of Technology
Kristu Jayanti Institute of Technology

Areas of Specialisation:

Computer Networks, IoT, Data Mining, Image Processing, AI, Machine learning, Data Science and Deep Learning

Dr. S. Sheeja Associate Professor at the Kristu Jayanti Institute of Technology. With over 23 years of teaching experience and a 21-year research career, she specializes in Computer Networks, the Internet of Things (IoT), Mobile Adhoc Network, Wireless Sensor Network, Image Processing, AIML and Big Data Analytics. Dr. Sheeja holds a Ph.D. in Computer Science from Bharathiar University, Tamil Nadu in 2015 and under her guidance she has produced 14 Ph.D. scholars and 4 M.Phil. scholars. Her prolific research output includes 52 Scopus-indexed papers, 4 SCI/WoS publications, and 43 peer-reviewed articles, earning her an h-index of 7. She has also authored 3 books and 7 book chapters published by reputed houses like Springer and Wiley. Her innovation credentials feature two published patents in smart security and irrigation systems. A recipient of multiple "Best Paper" awards, She has Completed Seed Money Research Project funded by Karpagam Academy of Higher Education.

Selected Publications:

1. Geo Francis, E., & **Sheeja, S.** (2024). Enhanced intrusion detection in wireless sensor networks using deep reinforcement learning with improved feature extraction and selection. *Multimedia Tools and Applications*, 84(13), 11943–11982. <https://doi.org/10.1007/s11042-024-19305-6>
2. Geo Francis, E., **Sheeja, S.**, Antony John, E. F., & Joseph, J. (2024). An Efficient Intrusion Detection System Using a Multiscale Deep Bi-directional GRU Network to Detect Blackhole Attacks in IoT-based WSNs. *Journal of Multiscale Modelling*, 15(03). <https://doi.org/10.1142/s1756973724500021>
3. Vinod, P., & **Sheeja, S.** (2025). Sentiment Classification from Social Media Data with Gaussian Conditional Rule-Based Deep Convolutional Neural Network. *International Journal of Image and Graphics*, 26(08). <https://doi.org/10.1142/s0219467827500264>