



Centre for Research & Development

Research Supervisor (Guide) Profiles

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



Dr. Neetha Thomas

Assistant Professor
Institute of Technology
Kristu Jayanti Institute of Technology

Areas of Specialisation:

Machine Learning, Deep Learning, Data Analytics, Natural Language Processing (NLP), Artificial Intelligence in Healthcare

Dr. Neetha Thomas is an Assistant Professor at Kristu Jayanti Institute of Technology, Kristu Jayanti Deemed to be University, Bengaluru, with 13 years of experience in teaching and academic research in Computer Science. She received her Ph.D. from Bharathiar University, Coimbatore. Her major research interests include Machine Learning, Deep Learning, Data Analytics, Natural Language Processing (NLP), and Artificial Intelligence in Healthcare. She has published research papers in national and international journals and conferences and has contributed to innovation through patent publications. She has also received Best Paper Awards for her research contributions. Her research focuses on applying emerging technologies and intelligent computational techniques to develop innovative solutions for real-world challenges, particularly in data-driven applications and healthcare.

Selected Publications:

1. **Thomas, N.**, Alapatt, B. P., Resmi, K. R., & Jose, M. (2023). A deep learning methodology CNN-ADAM for the prediction of PCOS from text report. 2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA), 276–281. <https://doi.org/10.1109/CERA59325.2023.10455723>
2. Reghunathan, R. K., Venkidusamy, P. N. P., Kurup, R. G., George, B., & **Thomas, N.** (2024). Machine learning-based classification of autism spectrum disorder across age groups. Engineering Proceedings, 62(1), 12. <https://doi.org/10.3390/engproc2024062012>
3. **Thomas, N.**, & Kavitha, A. (2020). An Effectual Polycystic Ovarian Syndrome Detection Model Using SVM Optimization with Tabu Search. Journal of Advanced Research in Dynamical and Control Systems, 12(SP4), 509–521. <https://doi.org/10.5373/jardcs/v12sp4/20201516> (Original work published as An Effectual Polycystic Ovarian Syndrome Detection Model Using SVM Optimization with Tabu Search)