



Centre for Research & Development

Research Supervisor (Guide) Profiles

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



Dr. Vimala Roselin J

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

Areas of Specialisation:

Cyber Security, Machine Learning, Artificial Intelligence,
Cloud computing

Dr. Vimala Roselin J is an Assistant Professor in the Department of Computer Science (PG) at Kristu Jayanti (Deemed-to-be) University. She holds a Ph.D. in Computer Science from Bharathiar University, where her research focused on secure sensitive data sharing in big data using cloud computing. Her research interests include Big Data Security, Cloud Computing, and Machine Learning, with a strong emphasis on secure data management, data privacy, and intelligent computing systems. Dr. Vimala Roselin has made significant contributions to the academic community through high-quality research and collaborative projects. She has published ten research papers in reputed national and international journals and conferences. Her work has garnered over 960 citations and an H-index of 15. Dr. Roselin has received multiple accolades for academic excellence, including the Researcher Excellence Award 2025 and the Young Teaching Faculty Award. She is also a member of the Eudoxia Research University, USA, engaging in international research collaborations. In addition to her teaching and research roles, she contributes to curriculum development as a member of the Board of Studies (BoS) at a reputed institution. Her dedication to advancing computer science education and research continues to inspire students.

Selected Publications:

1. Ilyas, F. M., Priscila, S. S., Sheela, K., **Vimala Roselin, J.**, Sona, K. V., and Prema, R. (2025). Comparative Analysis of Improved K-Means Clustering for Human Freedom Index. Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-86302-8_2
2. **Roselin, J. V.**, and Nasira, G. M. (2019). Efficient Security Framework for Sensitive Data sharing On Big Data Platform in Cloud Computing. International Journal of Computer Sciences and Engineering, 7(5), 277–280. <https://doi.org/10.26438/ijcse/v7i5.277280>
3. **Roselin, J. V.**, Sakthivanitha, M., Thirumalaikumari, T., Sebastian, A., and Priscila, S. S. (2025). A Framework for Automated Waste Classification System using Machine Learning and Deep Learning Techniques. IEEE. <https://doi.org/10.1109/icoeca66273.2025.00147>