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 accomplished academic and researcher, currently serving as 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 doctoral research focused on Secure Sensitive Data Sharing in Big Data Environment using Cloud computing platform. Her areas of expertise include Big Data Security, Cloud Computing, and Machine Learning, Artificial Intelligence. She has made notable contributions to the academic and research community through her high-impact publications and collaborative research initiatives. She has authored ten research papers in reputed national and international journals and conferences, demonstrating the depth of her scholarly engagement. Her dedication to advancing knowledge and innovation has earned her prestigious honors such as the Researcher Excellence Award and the Young Teaching Faculty Award, recognizing her exceptional contributions to both research and pedagogy. Beyond her teaching and research roles, she actively participates in academic governance and curriculum development. As a member of the Board of Studies (BoS) at a reputed institution, she contributes to shaping modern curricula and promoting innovative approaches to computer science education. Her global engagement is further highlighted through her membership with the Eudoxia Research University, USA, where she collaborates on international research initiatives aimed at addressing emerging technological challenges. Renowned for her dedication, innovation, and mentorship, she continues to inspire students and peers alike. Her research not only advances the frontiers of technology but also empowers future computer scientists.

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