



## Centre for Research & Development

### Research Supervisor (Guide) Profiles

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



#### **Dr. Velmurugan R**

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

#### **Areas of Specialisation:**

Web and Social Media Mining, Advanced Data Mining,  
Predictive Analytics, Big Data Analytics, Business Intelligence.

Dr. Velmurugan R is the Coordinator and Associate Professor in the Department of Computer Science (PG), School of Computational and Physical Sciences, at Kristu Jayanti (Deemed-to-be University), Bengaluru, India. He holds a Ph.D. in Computer Science from Manonmaniam Sundaranar University, Tirunelveli. His doctoral research focused on A Context-Aware Multi-level Clustering for Personalized Web Search using Semantic Pattern-Based Search Log Methods. His research interests include intelligent information retrieval, personalized search, and semantic web technologies, with a particular emphasis on enhancing user-centric web experiences through advanced clustering and pattern analysis. Dr. Velmurugan has published more than 20 research papers in reputed international journals and conferences and holds two patents in computer science. His academic contributions span guiding postgraduate research, coordinating departmental initiatives, and fostering innovation in computational sciences. His work effectively integrates theory and practice, bridging artificial intelligence techniques with real-world challenges in search optimization and data management.

### **Selected Publications:**

1. **Velmurugan, R.**, Suresh, K., Thilagaraj, T., Sharma, M., and Saranya, D. (2025). Enhancing Prognostication in Colorectal Cancer with Integrated Machine Learning for Improved Survival Prediction. IEEE. <https://doi.org/10.1109/icmsci62561.2025.10894577>
2. A, M., **R, V.**, R, K., Rajan, M. S., and Sivaraj, V. (2025). Ontology-Driven Semantic Web Framework with Sentiment Analysis for Risk Assessment and Diagnosis of Diabetes Mellitus. IEEE. <https://doi.org/10.1109/icsadl65848.2025.10933261>
3. **Velmurugan, R.**, Kumar, R., Saravanan, D., Patnaik, S., and Ikkurthi, S. K. (2023). A Critical Cloud Security Risks Detection Using Artificial Neural Networks at Banking Sector. Springer International Publishing. [https://doi.org/10.1007/978-3-031-23602-0\\_6](https://doi.org/10.1007/978-3-031-23602-0_6)