



## Centre for Research & Development

### Research Supervisor (Guide) Profiles

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



#### **Dr. R Kumar**

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

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

Computer Networks & Security, Edge &  
Cloud Computing for Healthcare, Data Mining & Big Data Analytics

Dr. R. Kumar is an academician and researcher with over 32 years of experience in teaching, research, and academic administration in Computer Science. His research mainly focuses on Data Mining, Artificial Intelligence, Machine Learning, Computer Networks and Security, IoT-based smart systems, Edge and Cloud Computing for healthcare, and Big Data Analytics. For the past five years, he has served as a doctoral committee member and examiner for several universities and has actively contributed to research through publications in reputed journals and IEEE-sponsored international conferences. Some of his works include healthcare monitoring using edge computing, IoT-enabled energy forecasting, and semantic web technologies for data sharing. He is passionate about mentoring students and researchers, motivating them to work on innovative and socially meaningful projects. He has organized conferences, contributed book chapters, and collaborated with peers to address real-world challenges. His constant focus is on building an environment where technology, research, and learning complement each other to create impactful solutions.

### **Selected Publications:**

1. **Kumar, R.**, Boopathi, P., and Rajan, M. S. (2025). A Novel Approach on Advanced Fruit Disease Identification Using RCNN. IEEE. <https://doi.org/10.1109/icmsci62561.2025.10894367>
2. A, M., R, V., and **Kumar, R.** (2023). Improving Library Document Resource Management and Data Sharing Through Semantic Web Technology. IEEE. <https://doi.org/10.1109/icpcsn58827.2023.00230>
3. Sivakumar, S. A., **Kumar, R.**, Ayshwarya, B., S, H., Ponnusamy, M., and Ganesh, R. S. (2021). IoT Based Smart Energy Forecasting and Data Logging System. IEEE. <https://doi.org/10.1109/iccmc51019.2021.9418281>