

Name of Faculty Mr. Manish Kumar
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 03-10-2024
 E-mail manishkumar_cet@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Pursuing
PG	M. E. (Software Engineering)	First Class
UG	B. E. (CSE)	Distinction

Work Experience

Teaching	01	
Research	05	
Industry	--	
Others	--	
Area of Specialization	Deep learning, Machine Learning, Computer Vision, Data Structures And Algorithms, Theoretical Computer Science, Computer networks	
Professional Memberships	--	
Responsibilities held at Institution Level	Member, Center of Excellence for Cyber Security	
Responsibilities held at Department Level	Member, IIC	
Research Guidance	--	
Awards Received	UGC-NET, GATE CS (2017,2018,2019,2020)	
Courses Handled at Under Graduate / Post Graduate Level.	FCST (Fundamentals of Cybersecurity and Tools lab and theory), DSP (Data structure Using Python lan and Theory)	
No. of Papers Published	National Journals - 00 & International Journals – 04 National Conference - 00 & International Conference – 03	
Projects Carried out	--	
Patents	--	
Technology Transfer	--	
Invited Speaker	--	
No. of Books/Chapter Published with details	--	
Details of Short-Term Training Programs/ Faculty Development Programs/ Seminars/ Workshops. Other Trainings (Attended and/ or Organized).	--	

Details of Journal Publications/
Conferences (National and
International)

International Journal from the year 2017

1. Reddyboina, M. Kumar, and S. Ramalingam, Predictive energy management in smart homes leveraging rnn-lstm for energy consumption forecasting, International Conference on AI-Powered Technology Integration for Sustainability (AI-PTIS-2024).
2. Kumar, M., Subramanian, R., Social distancing detector using deep learning, International online conference on recent advancements in information technology, November 2021. Indira Gandhi Centre for Atomic Research, kalpakkam.
3. A. Reddyboina, M. Kumar, Pramod Kumar Prashar and S. Ramalingam, "Smart House Management and optimized scheduling method for Peak hour demand" for the International Conference on Intelligent Computing and Emerging Communication Technologies (ICEC-2024), November 23-25. (Accepted)

International /National Conferences from the year 2017

1. J Kumar, M., Ramalingam, S., & Prasad, A. (2023). An optimized intelligent traffic sign forecasting framework for smart cities. *Soft Computing*, 27(23), 17763–17783. <https://doi.org/10.1007/s00500-023-09056-1>. SCIE , Impact factor 4.2.
2. A. Reddyboina, Subramanian, R., and Kumar, M., An efficient house energy management system for energy scheduling based on an optimized Elman network (2024), Scopus.
3. [3] Kumar, M., Subramanian, R., A. Reddyboina, and P. Pramod. Deep neural Intelligent system for active resource migration to the distributed virtual machine. *Expert systems with applications* (2024), Elsevier, Q1, SCIE, Impact factor 8.5. (Under Review).
4. [4] Kumar, M., Subramanian, R., Reddyboina, A.& Kumar, A., GENERATION AND ANALYSIS OF TRAFFIC SIGNAL SIGN DATASET FOR AUTONOMOUS VEHICLES USING REINFORCEMENT LEARNING. *Intelligent Systems with Applications* (2024), Science Direct, Q1, SCIE, Impact factor 5.6. (Under Review)

