Faculty Profile

Ms. K. S. Rekha, M.C.A., M.E.
Assistant Professor
Date of Joining: 01.07.2022

HIGHLIGHTS:

- Number of Journal Publications: 3
- Patents Published: 6

PROFESSIONAL LINKS:

- Anna University Faculty ID: 2122148
- AICTE Faculty ID: 1509498931
- LinkedIn: http://www.linkedin.com/in/rekha-k-s-7b437b28a

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 12 years

AREA OF SPECIALIZATION:

- Web Development
- Cloud Computing

PATENTS PUBLISHED/GRANTED:

- Modernizing Air Pollution Monitoring System Using IOT and Machine Learning – Indian Patent, August 2023

- AI- Driven Smart Water Purification System Using Multiple Sensors for Intrusion Detection in Water – Indian Patent, February 2024

- AI and IOT Based optimized Solar-Driven Water Purification for Tribal People – Indian Patent, February 2024

- AI & IOT-Based Water Purification System Monitoring For Real-Time Contaminant Detection- Indian Patent, February 2024

- An IOT Based Real-Time Water quality monitoring & Algal Bloom, Prediction in Aquaculture- Indian Patent, February 2024

- An IOT based Predictive & NBSP;Material & NBSP;Damage Prevention for enhanced equipment reliability - Indian Patent, February 2024

ACHIVEMENTS AND AWARDS:

- Certification of **Distinction** awarded upon successful completion of IUCEE International Engineering Educator Certification Program Spring 2023

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper titled "Interactive Blood Bank Repository : DJANGO AWS Approach" at the 5th International Conference on Intelligent Communication Technologies and virtual Mobile Networks(ICICV 202) organized by Francis Xavier Engineering College on 11-12 March 2024

- Presented a paper titled "Heterogeneous Face Recognition Algorithm: Convolution Neural Network Approach" at the 5th International Conference on Intelligent Communication Technologies and virtual Mobile Networks(ICICV 202) organized by Francis Xavier Engineering College on 11-12 March 2024

- Presented paper titled " Medical Analytical Decision Support System Investigative study"by Department of Computer Science and Engineering AICTE Sponsored International conference on Application of AI,ML,DL,Big Data on Recent Societal Issues – ICARSI 23 – 21st and 22nd April 2023

- Presented paper titled "Cloud-Based Multimedia Content protection System" conducted by Department of Computer Science and Engineering AICTE Sponsored International conference on Application of AI,ML,DL,Big Data on Recent Societal Issues – ICARSI 23 – 21st and 22nd April 2023

- Presented paper titled " Malicious URL Detection Using CNN-LSTM Algorithm in Machine Learning" conducted by Department of Computer Science and Engineering AICTE Sponsored International conference on Application of AI,ML,DL,Big Data on Recent Societal Issues – ICARSI 23 – 21st and 22nd April 2023

- Completed online course "Introduction to Cyber Security " provided by Simplilearn

- Completed online course "Introduction to Artificial Intelligence " provided by Simplilearn

- Participated in " Awareness Programme on Professional Societies" conducted by Computer Society of India held at Saveetha Engineering College

- Participated in International Online FDP Series on " Trending Technologies" by MEASI Institute of Information Technology

- Participated in " Trending Architectural Changes and How to meet Industry Needs" conducted by CSI Chapter at Saveetha Engineering College

- Participated in the 14 days International Faculty Development Programme on " Data Science Tools" by AIDS department held at Easwari Engineering College – 07.0.2022 to 20.10.2022

- Participated in the six day Faculty development Training Programme on "IT 8501- Web Technology by the department Information Technology at K.L.N College of Engineering – 11.07.2022 to 6.07.2022

- Participated in One Week Virtual FDP on " Advanced Machine Learning Algorithms for Real Tie Applications using R and Python" held at RV Institute of Management , Department of Finance and Business Analytics- 01.8.2022 to 06.08.2022

PROFESSIONAL MEMBERSHIPS:

- Life Time Member in Indian Society for Technical Education

OTHER DETAILS:

- Participated in the G20 university Connect Seminar on "The G20 New Delhi Leadership Declaration and the Emerging World Order" on 5th November at Anna University

- Mentor for two teams participated in Internal Hackathon held on 20th and 21st Sep 2023

- Awarded the 20th Anna University Rank Holder in the Degree of Master of Computer Applications

- Awarded as the Best Student -Overall Topper of the Academic Year 2007-2010

- Participated in Basic Para Training Course held at Para Training School Agra and awarded Para Wings on successful Completion of Five Para Jumps

- Awarded as Most Sincere Cadet in the year 2006-2007

- Certified 'B' and 'C' Examination under the authority of Ministry of Defence, Government of India