



Department of Artificial Intelligence and Machine Learning

Faculty Profile

Name : Mrs.Kanchana R
Designation : Assistant Professor
Qualification : M.E.
Total Experience : 9 years
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I am a professional who is innovative and focused on finding solutions, with 7 years of experience as an Assistant Professor at reputable institutions where I have motivated students to achieve their learning objectives. In addition, I have over 2 years of experience in developing online products and services that are geared towards consumers. I am skilled in coding and creating user interfaces.

Skills:

1. Web Frameworks: ReactJS, NextJS, Fast API
2. Backend: C (certified), C++ (certified), Python, Java
3. Frontend: HTML, CSS, JavaScript, PHP (certified), XML
4. Prisma ORM, Web API, GraphQL
5. Databases: SQL, MySQL (certified), PostgreSQL
6. Authentication: Auth-0, Web3

Projects and Publications:

1. “Efficient Localized Routing for Wireless Sensor Network Based on Traffic Differentiation and Qos Metrics” under the supervision Mr.S.Athireyan. M.E, Assistant Professor, Department of Computer Science & Engineering, Pandiyan Saraswathi Yadav Engineering College, Sivagangai.
2. “MISTRAL: Efficient Flooding in Mobile Ad-hoc Networks” under the guidance of Mr.V.Ganeshkumar.M.E, Assistant Professor, Department of Information Technology, Sree Sowdambika College of Engineering, Aruppukottai.
3. International Conference on Futuristic Trends in Computer Science Engineering & Information Technology, ICCT-2012 for the Paper titled Efficient Localized Routing For Wireless Sensor Network Based On Traffic Differentiation and Qos Metrics.
4. Presented a Paper titled “Face Image captcha Generation Using Particle Swarm Optimization Approach” ,IEEE International Conference on Engineering and Technology- ICETECH’15, Rathinam Technical Campus.
5. Presented a paper entitled “Jabber KAMP” in the International Conference on Innovations in Science & Technology in SriGuru Institute of Technology during 31st March – 1 st April 2016.

Events Organized:

1. Cloud App Development “along with “Microsoft Cloud AZURE”
2. National Level Workshop on “Raspberry Pi “.
3. Workshop on “Hybrid App Development “
4. Active Faculty Mentor in Fitness Club
5. Conducted a workshop on “Strategy for Undertaking Participatory Outreach by Students for Health and Nutrition”.
6. "On September 16, 2023, organized a One-Minute Yoga Challenge, promoting wellness and mindfulness among participants.

Achievement:

1. Obtained Master of Engineering in Computer Science & Engineering from Pandiyan Saraswathi Yadav Engineering College, Anna University with a CGPA of 9.02 (2010-2012).
2. Recognized as a **University Rank Holder**.

Participation in Workshops / Conferences:

1. Participated in the National Seminar on Emerging Trends in Computing and Networking-ETCN'11,ULTRA College of Engineering & Technology For Women.
2. Presented a Paper titled "An Efficient Algorithm For Cluster Building in Wireless Sensor Network",National Conference on Emerging Trends in Computer Engineering &Technology-ETCET'10, Sri Vidya College of Engineering & Technology.
3. Participated and presented a paper in the Intracollegiate Symposium on the title "Bio Metrics" at Sree Sowdambika College of Engineering.
4. Participated and presented a paper in the Intercollegiate Symposium on the title "Image Processing" at Sree Sowdambika College of Engineering.
5. Participated in the "Android Application Development" Two Days Workshop conducted by IIT Roorkee in SriGuru Institute of Technology.

Industrial exposure:

1. Undergone In-plant training in All India Radio, Madurai.
2. Undergone In-plant training in BSNL, Tirunelveli.
3. Undergone a certificate course on "Mobile Communication" conducted by Anna University, Chennai and BSNL (AU-CUIC).
4. "On February 28, 2024, commemorated National Science Day with a visit to the Geological Survey of India, Hyderabad.

Faculty development programs attended:

1. Participated in the "Faculty Awareness Program" conducted by Open Source Spoken Tutorial, IIT Bombay (Spoken Tutorial).
2. Participated in the "Coaching Skill for Effective Teaching ", two days program Organized by NHRD, Hosur Chapter.
3. Attended one day National Level Seminar on "Future of Wireless Technology 5G & 6G " in SNS college of Technology on 8th February 2016.
4. Attended a Seminar on windows 10 in CSI, Coimbatore chapter.
5. Attended NHRD HR Excellence Award Function. (Coimbatore Chapter).
6. Participated in the "Effective Class Room Teaching ", One day program conducted by Sriguru Institute of Technology, Coimbatore and TCS Bangalore.
7. Participated in the "Machine Learning Essentials: Applications and Use Cases" held during 18th to 22nd Dec'2023 organized by CVR College of Engineering, Hyderabad.

8. Attended a FDP on “Theory of Computation” funded by the MoE, Govt. of India (NPTEL- AICTE).
9. Participated in the “6 Days AICE ATAL-EDUSKILLS Faculty development Program on Google AI-ML hosted by Sphoorthy Engineering College, from 19th to 24th Feb’2024.

Patents Published:

1. "*SMART SPECTACLES WITH PROJECTOR*",
Design No. : 397813-001
Date: 17/10/2023