Faculty Profile



P. Ponmathi Jeba Kiruba, M.E.,
AP/CSE

PROFESSIONAL LINKS:

- Scopus ID: 58160989000
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=58160989000
- Google Scholar ID: https://scholar.google.com/citations?user=jl-xH4AAAAAJ&hl=en
- Anna University Faculty ID: 2614781997
- AICTE Faculty ID:1-43354669676
- LinkedIn: www.linkedin.com/in/ponmathi-jeba-kiruba-060a3714b

Publications:

- Published a Paper on SpringerLink, in the Journal Proceedings of international Conference on Recent Trends in Computing on the Topic "Tampering Detection Driving License in RTO Using Blockchain Technology" in page no:762-772.
- Published a paper on "Evaluation of CatBoost for Diabetes Prevention in Comparison to XGBoost: To avert mortality by developing an AI model capable of predicting the onset of diabetes "in 2024 International Conference on Electronic Systems and Intelligent Computing (ICESIC)

Patent Published:

- Published a patent on the Topic **"Automatic Weed detection and removal machine".**
- Published a patent on the Topic**" Biometric Swarm Intelligence for autonomous Cybersecurity Mesh Network"**
- Published a patent on the topic **"Distributed Ledger Technology-Based Secure Authentication and Authorization framework for 6G Wireless Network"**

- Published a Patent on the topic "**Machine Learning enhanced Fraud detection system Powered by Blockchain Ledger"**
- Published a Patent on "**real time Network Anomaly Detection Using Deep Learning"**

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 4 years 2 months

AREA OF SPECIALIZATION:

- Blockchain
- IOT
- Artificial Intelligence

COURSES CERTIFIED:

- Completed a Certification Course on **Secure Networking-a company network project on open Source** in Udemy
- Completed a Certification Course on **Blockchain - Complete Blockchain Course for Beginners**. in Udemy

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

JOURNAL PUBLICATIONS

1. Early Symptom Plant Leaf Pathology Recognition via Hybrid Spatiotemporal Deep Intelligence Framework has been published in **IEEE Xplore** in September 2026.
2. Published a paper on "Evaluation of CatBoost for Diabetes Prevention in Comparison to XGBoost: To avert mortality by developing an AI model capable of predicting the onset of diabetes" in IEEE.
3. Published a paper on "Prediction of Chronic Liver Disease Using Machine Learning: A Comparative Study of Catboost and XGBoost" in IEEE .
4. Published a paper on "Vision Voice: An Assistive App for Describing Surroundings Through Image Recognition and Audio Feedback" in IEEE.
5. Published a paper in Springers on topic "Tampering Detection Driving License in RTO Using Blockchain Technology"

6. Presented a paper on" Automatic Vehicle Speed Control and Alert System in Accident Prone Area Using RF Module "in an International Conference conducted by Pet Engineering College, Valliyoor.

CONFERENCE ATTENDED

1. Presented a paper entitled "Web Based Online Food Ordering System Using php".on "Intelligent Computing and Communication TechnologyICCT'23", conducted by Jayaraj Annapackiam CSI College of Engineering.

2. Presented a paper on conference by IRCTC on the topic" Tampering Detection Driving License in RTO Using Blockchain Technology"

3. Presented a paper on" Automatic Vehicle Speed Control and Alert System in Accident-prone Area Using RF Module"

4. Presented paper on IOT Social Benefits and Impacts on "privacy and security in the era of Big Data"

5. Presented paper on "Privacy issues in cloud computing"

6. Presented a paper on "Evaluation of catboost for diabetes prevention in comparison to XGBoost:To Avert Mortality by developing an AI Model Capable of Predicting the inset of Diabetes.

FDP /Seminars/Webinars /Workshops Attended:

- Attended a Four days' Workshop on"Artificial Intelligence For Edge Computing" Conducted by Thiagarajar College of Engineering, Madurai.
- Attended a One-day online FDP On "Intellectual Property Rights",Conducted by,Annai Vailankani College of Engineering
- Attended one-week Online FDP on"Realising the Benifits of Acedamic Research" conducted by, Sree Sakthi Engineering College,Karamadai.
- Attended A Five Days Online FDP on"CS8691/Embedded Systems and IoT"Organised by Department of IT In association with ISTE Chapther Conducted by Jeyaraj Annapakiam CSE College Of Engineering, Nazareth. .
- Attended a One-day online FDP ON BLOOMS TAXONOMY, Conducted by San Snow's Nobel Professional Foundation
- Attended a One Week FDP on Deep Learning and IOT Driven Smart applications organized by Department of CSE, MLRIT
- Attended a ten days workshop on From Scratch to deployment: Hands-on Model building with Kera's and TensorFlow
- Attended a 10 Hours International FDP On AI and Gen AI with Industry

Application Organized by MIT Academy of Engineering.

- Attended a 10 Hours International FDP On Blockchain Technology Organized by Ramrao Adil Institute of technology
- Attended a One Week FDP On Innovation Incubation and Research Challenges In India, organized by Sree Sakthi Engineering College.
- Attended a Two days National level Workshop on Designing Effective surveys Organized by CEDAAR, Chennai
- Participated a Six days International FDP On Harnessing AI For Healthcare Excellence: Innovations, Insights and Impacts By SRM Institute of science and technology