Faculty Profile



Dr. P. Vijayan, M.E., Ph.D.
Associate Professor

HIGHLIGHTS:

- Number of Journal Publications: 09
- H-Index: 04
- Project Funding Received: Nil
- Patents Published: 02
- Patents Granted: Nil

PROFESSIONAL LINKS:

- Scopus ID : 57970897900
- Scopus Link : https://www.scopus.com/authid/detail.uri?authorId=57970897900
- Google Scholar ID : https://scholar.google.com/citations?user=A38X3WEAAAAJ&hl=en
- Anna University Faculty ID : 2695921975
- AICTE Faculty ID : 1822973924
- Anna University Supervisor ID: Nil
- LinkedIn : www.linkedin.com/in/dr-vijayan-p-0895b3291

PROFESSIONAL BACKGROUND:

An accomplished academician and software developer with over 20 years of professional experience, including 18 years in teaching and 2.5 years in the IT industry. Oracle Certified Java SE Programmer (OCJP) with strong expertise in Java programming, software development, and computer science education.

Experienced in delivering quality education, mentoring students, developing technical skills, and bridging the gap between academic learning and industry requirements. Passionate about continuous learning, technology integration, and preparing students for successful careers in the IT industry.

AREA OF SPECIALIZATION:

- Object Oriented Programming (Java)
- Computer Networks
- Database Management Systems
- Full Stack Development

PATENTS PUBLISHED/GRANTED:

- IOT BASED AI MODEL FOR OPTIMIZING PUBLIC TRANSPORT SCHEDULES USING CROWD DATA
- DESIGN AND DEVELOPMENT OF A SMART BATHROOM ODOR DETECTION SYSTEM WITH REAL-TIME DISPLAY.

COURSES CERTIFIED:

- Java SE8 Programmer-I from Oracle Certification Program
- CCNA from Anna University

SPECIAL SESSIONS DELIVERED:

- Presented a Webinar on "**An Introduction to Web Development" for** PERI Institute of Technology, Mannivakkam, Chennai – 600048, on 23rd June 2020.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Participated in Two weeks of ISTE Workshop on "Computer Networking", Conducted by IIT Bombay from 30th June 2014 to 5th July 2014, at Anna University, Guindy, Chennai – 25
- Presented "SVM-based Predictive Modeling of Drowsiness in Hospital Staff for Occupational Safety Solution via IoT Infrastructure", 2nd International Conference on Computer, Communication and Control (IC4). IEEE, DOI: 10.1109/IC457434.2024.10486429. February 2024.
- Presented "In-Depth Sleep Disorder Assessment using REMcraft Navigator IoT and Random Forest Algorithms", 2nd International Conference on Computer, Communication and Control (IC4). IEEE, DOI:10.1109/IC457434.2024.10486463. February 2024.
- Presented "Revolutionizing Urban Drainage: A Smart IoT Approach to Stormwater Management using AdaBoosting Algorithm", First International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE 2024). IEEE, DOI: 10.1109/AMATHE61652.2024.10582217. May 2024.

PUBLICATION OF PAPERS

- **Vijayan P.,** Anbalagan, P., & Selvakumar, S. (2022). An Ensembled Optimization Algorithm for Secured and Energy Efficient Low Latency MANET with Intrusion Detection. *J. Internet Serv. Inf. Secur.*, *12*(4), 156-163.

- Anbalagan, E., Rao, P. S., **Vijayan, P**., Alluri, A., Nageswari, D., & Kalaivani, R. (2024). Improving intrusion detection using satin bowerbird optimization with deep learning model for IIoT environment. *Int. J. Electr. Electron. Res*, *12*(1), 219-227.

- MM, K., **Panneerselvam, Vijayan**., & Mani, S. V. J. (2025). Multi-Modal Lung Cancer Detection Using Pyramidal Cascade Neuro-Fuzzy Fractional Network. *Cancer investigation*, *43*(7), 535-559.

- **Vijayan, P.,** Mani, S. V. J., Mahesh, K. M., & Ramachandran, A. (2026). Elk Skill Optimizer Enabled Joint Channel Access and Energy Management Algorithm for Dynamic Channel Allocation in WSN. *INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS*, *39*(5).

- Sundaravadivel, P., Isaac, R. A., & **Vijayan, P.** (2026). Federated deep reinforcement learning with transformer-based anomaly detection for cybersecurity in next-generation agricultural IoT networks. *Discover Artificial Intelligence*.

- SVJ, M., **P, Vijayan.**, A, R., & K, M. M. (2026). Deep Kronecker NasNet-based AB-M Tree for Storage and Efficient Retrieval Model using Blockchain. *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*, 1-25.

PROFESSIONAL MEMBERSHIPS:

- Associate Member of "The Institution of Engineers (India)",
  Member Ship No: AM153789-2