Faculty Profile



T.SARAVANAN, M.E. (Ph.D),
Assistant Professor(Senior Grade),
Department of Artificial Intelligence and Machine Learning

HIGHLIGHTS:

- Number of Journal Publications: 8
- H-Index:2
- Patents Published: 5
- Design Patent: 1
- Patents Granted:2
- Citations: 12

PROFESSIONAL LINKS:

- Scopus ID: 59646163700
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=59646163700
- Google Scholar ID: S0xbFvoAAAAJ
- Anna University Faculty ID: 2698261981
- AICTE Faculty ID: 1-429509574
- LinkedIn: saravanan-saran-2771aa149
- NPTEL Courses Completed – 9 Courses (Each Semester -2 Courses)

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 19 years 1 month
- Industrial Experience: 6 months

AREA OF SPECIALIZATION:

- Programming in JAVA, Python, C & C++
- Cryptography and Network Security
- Cloud Computing, BlockChain Technology
- Foundations of Cryptocurrency
- Machine Learning
- Microprocessor & Microcontroller
- Digital Principles and System Design

Industry Training:

- **WIPRO Certified Faculty Program (17 Days)** participated & received certificate on 16th MAR to 1St APR 2021 Conducted by TalentNext

- **INFOTQ Certified Faculty Program (5 Days)** participated on 25th MAY to 29th MAY 2021 Conducted by Infosys Ltd and has been awarded with **A+ Grade**

Publications Details:

- Scopus Indexed Annexure-1 paper published in Journal of Super Computing(JSC) Volume 81,Issue 6 in Nov 2025, in the title of "Seismic-driven neural intelligence coupled with hybrid evolution strategy for accurate intrusion detection in cloud-IoT systems",1st author, SNIP-1.18, Impact factor – 2.4

- Scopus Indexed Annexure-1 paper published in Social Network Analysis and Mining(SNAM) Volume 14,Issue 1 in Dec 2024, in the title of "Integrating neural network-driven customization, scalability, and cloud computing for enhanced accuracy and responsiveness for social network modelling",4th author, ISSN: 18695450, SNIP-0.99

- Scopus Indexed paper published in International Journal of Intelligent Systems and Applications in Engineering(IJISAE), Volume 12,Issue 2 in July 2024, in the title of "Enhancing Energy Efficiency in Smart Cities: Advanced ANN and Decision Tree Model for Solar Energy with IoT and Cloud Server",3rd author, ISSN:2147-67992, SNIP-0.34

- Scopus Indexed IEEE paper published in International conference on Advances Computing, Communication and Applied Informatics Intelligent Systems and Applications in Engineering(IJISAE), in August 2023, in the title of "Progressive Temporal Blockchain Framework for Ensuring Secure Management and Access of EHR",1st author,

- Scopus Indexed paper published in Advanced Engineering Science(AES), Volume 54,Issue 2 in July 2022, in the title of "Design and development of IoT based water and calamity management technique by implementing a hybrid classification approach",4th author, ISSN: 2096-3246

- Scopus Indexed Conference paper publishing process in International Conference on Advances in Renewable Energy and Intelligent Systems (AREIS 2024), in DEC 2024, in the title of "Lagrange key management for data transmission in hybrid cloud security system",3rd author.

Patent Details:

- Indian Design Patent published in ipindia in the title of "WIRELESS CHARGING PAD" Published on 27.02.2026. 3rd position, Application Number: 413482-001.

- Indian Patent published in ipindia in the title of "BLOCKCHAIN IOT HYBRID SYSTEM FOR TRANSPARENT AND EFFICIENT SUPPLY CHAIN MANAGEMENT" Published on 19.07.2024. 3rd position, Application Number: 202441050199 A.

- Indian Patent published in ipindia in the title of "AI Based Cyber Physical System for HR Management and corporate Biling" Published on 25.10.2023. 4th position, Application Number:394437-001.

- Indian Patent published in ipindia in the title of "Wind Solar Power Charging Station for Vehicles" granted on 11.07.2023. 2nd position, Application Number:202341046560.

- UK Based Patent published in ipiuk in the title of "IOT based ferrous and non ferrous waste sorting machine" granted on 06.11.2023. 3rd position, Application Number:202341046560.

COURSES CERTIFIED:

- Blockchain and its Applications (NPTEL)
- Cloud Computing (NPTEL)
- Python for Data Science Elite Certificate (NPTEL)
- Programming in JAVA (NPTEL)
- Programming in C (NPTEL)
- Deep Learning (NPTEL)

Attended(Recent 2 Years):

- **AICTE Sponsored Six Days Online FDP** on "Exploring Advanced Data Science Tools Techniques and Trends" on 9th DEC to 14th DEC 2024 in Anand Institute of Higher Technology.

- **FIVE Days Online FDP** on "ADVANCEMENTS IN COMPUTING TECHNOLOGIES AND INTERNET OF THINGS" on 21st OCT to 25th OCT 2024 in VIT Chennai.

- **FIVE Days Online FDP** on "Leveraging AI: Human Factors In Cyber Security" on 8th – 12th July 2024" in Madanapalle Institute of Technology & Science

- **NPTEL Online (Elite) Certificate awarded for** "Cloud Computing" – 12 Weeks Course" on JAN to APR 2024 by IIT, Kharagpur.

- **NPTEL Online (Elite) Certificate awarded for** "Blockchain and its Applications" – 12 Weeks Course" on JAN to APR 2024 by IIT, Kharagpur.

- **NPTEL Online (Elite) Certificate awarded for** "Problem Solving Through Programming in C – 12 Weeks Course" on JUL to OCT 2018 by IIT, Kharagpur.

- **AICTE Sponsored Two Weeks FDP** on "Integrating Geographical Information System (GIS) into E-Health and Telecommunication" on 20th NOV to 3rd DEC 2017 in KCG College of Technology.

- **Anna University Sponsored 7 Days FDP** on "GE8151 – Problem Solving & Python Programming" on 11th to 18nd June 2018 in Sri Sairam Engineering College.

- **Anna University Sponsored 7 Days FDP** on "GE8151 – Problem Solving & Python Programming" on 11th to 18nd June 2018 in Sri Sairam Engineering College.

- **Anna University Sponsored Two Weeks FDP** on "CS6660 – Compiler Design" on 19th NOV to 1rd DEC 2018 in MIT, Anna University.

- **AICTE Online Elementary One Weeks FDP** on "Machine Learning and its Application" on 21st to 25th JUN 2021 at Harisingh Gour University.

- **AICTE Online Elementary One Weeks FDP** on "AI for Computer Vision" on 26th to 30th JUL 2021 at IIT, Roorkee.

- **Completed C-DAC Project for One Year** by final year students with C-DAC external guide and IT staffs internal guide.

- **Completed NITTTR Project for last 3 years** by final year students with NITTTR external guide and IT staffs internal guide.