Faculty Profile

Dr. S. MURUGESAN, B.E., M.E., Ph.D.,
Assistant Professor (SG)
Date of Joining: 24.02.2025

HIGHLIGHTS:

- Number of Journal Publications: 21
- H-Index: 5
- Patents Published: 3

PROFESSIONAL LINKS:

- Scopus ID: 58817807600
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=58817807600
- Google Scholar ID: https://scholar.google.com/citations?user=ufOrIq0AAAAJ&hl=en
- Anna University Faculty ID: 4127321
- AICTE Faculty ID: 1-496814613
- LinkedIn: www.linkedin.com/in/murugesan-shanmugavelu-5553121a

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 13.10 Years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Reviewer: Journal of Advanced Research in Applied Sciences and Engineering Technology

- Reviewer: Scientific Reports- Springer Nature

AREA OF SPECIALIZATION:

- Database Management Systems
- Artificial Intelligence
- Theory of Computation

PATENTS PUBLISHED/GRANTED: 3

- "A Device and Method for High-Security Smart Bank Locker Using Machine Learning" Published in "Patent Application Publication, India" Application No. 202541002037 dated 17.01.2025.

- "AI-Powered Nutrition Analyzer for Fitness Enthusiasts" Published in "Patent Application Publication, India" on Journal No. 49/2022 dated 09.12.2022.

- "Emergency Response Handling System for Individual Crisis and Large-Scale Disasters" by Crowd Shaping Published in "Patent Application Publication, India" on Journal No. 202041016067. dated 05.06.2020.

ACHIEVEMENTS AND AWARDS:

- Received the best teacher award for the academic years 2014-2015, 2016-2017, 2022-2023 and 2023-2024.

- Received an appreciation with cash prize for produced the best results in Theory of Computation, Digital Principles and System Design and Human Computer Interaction.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper titled "Development of an Efficient CNN model with Hyperparameter tuning for Early Prediction of Lung Diseases", IEEE International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), Chennai Institute of Technology, Chennai, India, 2023.
- Presented a paper titled "Applying Machine Learning & Knowledge Discovery to Intelligent Agent-Based Recommendation for Online Learning Systems," 2023 International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT), Dehradun, India, 2023, pp. 321-325.
- Presented a paper titled "Analysing the Accuracy of Detecting Phishing Websites using Ensemble Methods in Machine Learning," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 1251-1256.
- Presented a paper titled "Secured Storage for Cloud Based Relational Database Management Systems", International Conference for Phoenixes on Emerging Current Trends in Engineering and Management (PECTEAM 2K18), Panimalar Engineering College, Chennai.

PROFESSIONAL MEMBERSHIPS:

- IEEE Membership (ID: 100848842)

- ACM Professional Membership (ID: 7202936)

- The International Association of Engineers (IAENG) (Member No: 151970)

- Indian Society of Systems for Science and Engineering (ISSE) (ID: LM06472)

- Institute For Engineering Research and Publication (IFERP) (ID: PROF-72667612)