Faculty Profile



Ms. Dhanalakshmi Manickaraj, M.E., Ph.D (Pursuing)
Assistant Professor, – IT

HIGHLIGHTS:

- Number of Journal Publications: 3
- H-Index: 1
- Patents Published: 05
- Patents Granted: 01

PROFESSIONAL LINKS:

- Scopus ID: 60612882500
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=60612882500
- Google Scholar ID: https://scholar.google.com/citations?user=SwAbivIAAAAJ&hl=en
- Anna University Faculty ID: 2631171987
- AICTE Faculty ID: 1-772946914
- LinkedIn: https://www.linkedin.com/in/dhana-lakshmi-63468830/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 13 years 2 months

INTERNATIONAL EXPOSURE:

- Visited South East Asia University in Bangkok, Thailand and presented a paper in the 3rd International conference on Advanced Technology in Engineering & Management from 19th July to 30th July 2025.

AREA OF SPECIALIZATION:

- Machine Learning, Deep Learning, Big Data Mining

PATENTS PUBLISHED/GRANTED:

Patents Published:

- Internet of Things Based Civic Infrastructure Oversight and control platform in July 2024.
- Self -learning and Self-healing software system for autonomous detection and mitigation of cyber-attacks in July 2024.
- A hybrid reasoning framework for explainable AI with common sense knowledge in August 2024.
- Detection of dental disease using convolutional neural network (CNN) in November 2024.

Patent Granted:

- ML based device to validate handwriting bank cheque in June 2025.

COURSES CERTIFIED:

- Successfully completed the TalentNext certification assessment and was recognized as a mentor for Project-Based Learning (PBL) in Java Full Stack under Wipro's Digital Skills Readiness Program.
- Completed advanced technology program on Cloud Computing conducted by TalentNext Wipro.

ACHIEVEMENTS AND AWARDS:

- Achieved NPTEL BELEIVERS award in July-Dec 2020.
- Achieved NPTEL Discipline Stars two times in Jan-Apr 2021 and Jan-Apr 2024.
- Achieved NPTEL Domain Scholar award in Jul-Dec 2024 for completing courses in the Data Science domain.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Attended 3rd International conference on Advanced Technology in Engineering & Management at Southeast Asia University in Bangkok, Thailand from 19th July to 30th July 2025.

PROFESSIONAL MEMBERSHIPS:

- Lifetime member of ISTE