

Faculty Profile



Dr. Shobana, M.E., Ph.D.
Professor– CSE – IOT

HIGHLIGHTS:

- Number of Journal Publications: 27
- H-Index: 5
- Project Funding Received: NA
- Patents Published: 6
- Patents Granted: 1

PROFESSIONAL LINKS:

- Scopus ID: 55512974300
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=55512974300>
- Google Scholar ID:
- Anna University Faculty ID:
- AICTE Faculty ID: 1-462544751
- Anna University Supervisor ID: NA
- LinkedIn: <https://www.linkedin.com/in/shobana-mahalingam-1a269535/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 21 years
- Industrial Experience: NA

INTERNATIONAL EXPOSURE:

- Attended International Conference on Advanced Technology in Engineering & Management (ICATEM,19), Taylor's School of Engineering, Malaysia.
- Attended

AREA OF SPECIALIZATION:

- Cloud Computing
- Networking
- Data Structures
- Analysis of Algorithms

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
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Ph.Ds GUIDING:

- **Full Time Scholars: Nil**
- **Part Time Scholars: Nil**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- **Funding Applied:**
 - NLP based Solutions for Spacecraft Mission Health Management and Operations - ISRO Respond basket 2022
 - Crowd Sourcing for Landslide Inventory using IoT - ISRO Respond basket 2022
 - Development of data-driven, artificial intelligence-enabled application framework for early prediction of major chronic diseases - ICMR 2023
 - Insight of Intervention for Elderly Emergency Response Cognitive Assistance (EERCA) using Machine Learning – DST 2024
- **Consultancy Project:**
 - Materials and Human Resource Management – SSK Constructions

PATENTS PUBLISHED/GRANTED:

- Real time Garbage Monitoring system using augmented reality
- New system for faceprint generation using IoT
- Diabetes monitoring patch for visually impaired persons using artificial intelligence
- Wearable Sensors based Misdiagnosis of Parkinson's Disease prediction method using Artificial Intelligence
- Diagnosis of abnormal sounds using deep CNN based on Synthetic Noise input
- A secure block chain based agriculture data Exchange and Monitoring System
- Artificial intelligence based prediction of pandemic situation and alertness using social media data

COURSES CERTIFIED:

- AWS Certified Cloud Practitioner (Legacy)
- GCCF
- IUCEE International Engineering Educator

ACHIEVEMENTS AND AWARDS:

- Received Global Teacher Award in 2019
- Anna University Rank Holder (P.G.)
- Awarded as Best Outgoing (1998)

SPECIAL SESSIONS DELIVERED:

- Future trends in Cloud computing January 2024
- Scope and Research trends in Cloud computing November 2023
- Webinar – An Approach to how to read, review and reject a paper January 2021
- IUCEE Student project Evaluator December 2021
- Session Chair – AICTE sponsored conference December 2021
- Anna University Sponsored FDTP on Artificial Intelligence – (Expert System)
November 2018

PROFESSIONAL MEMBERSHIPS:

- IEANG
- IEEE