

Faculty Profile



Dr. M.Ulagammai , M.E., Ph.D
Professor

HIGHLIGHTS:

- Number of Journal Publications: 23
- H-Index: 5
- Project Funding Received: 3,50,000/- for ATAL FDP
- Patents Published: 3
- Patents Granted: -

PROFESSIONAL LINKS:

- Scopus ID: 19934739800
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=19934739800>
- Google Scholar ID: Dr.M. Ulagammai
- Anna University Faculty ID: 2122095
- AICTE Faculty ID: 1-9319609372
- Anna University Supervisor ID: 3130011
- LinkedIn: <https://www.linkedin.com/in/dr-ulagammai-meyyappan-6bb284a6/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 18 years
- Industrial Experience: -

INTERNATIONAL EXPOSURE:

- Paper titled, " **Demand Response Based Wind Power Incorporated Optimal Power Flow - An Economic Analysis**" has been selected for presentation in the "**International conference on Power Generation Systems and Renewable Energy Technologies**" in Malaysia from April 4th to 6th 2017YYYYY

AREA OF SPECIALIZATION:

- Renewable Energy

- Machine Learning

Ph.Ds AWARDED WITH DETAILS:

| S:No | Name of Scholar | Title of Thesis | Year of Completion | Full Time/Part Time |
|-------------|--------------------------------|--|---------------------------|----------------------------|
| 1 | Shanmuga Kani J 18243997115 | Stochastic Optimal Scheduling in Hybrid Renewable Energy Systems Incorporating Demand Response and Transactive Energy Management | 2024 | Full Time |

Ph.Ds GUIDING:

- Full Time Scholars: -
- Part Time Scholars : 1

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

Nil

PATENTS PUBLISHED/GRANTED:

- Patent published on “ Design of Supercapacitor” in Sep 2022
- Patent granted on “ELECTRIC CYCLE”, August 2023(Design No. : 393622-001)
- Patent granted on “Autonomous electric truck integrated with solar power”, Sep 2024

COURSES CERTIFIED:

- Diploma in Data Science in IIT Madras
- Masters in Artificial intelligence course (8 months) from Inside AIML
- Machine Learning Specialization with Python from IIT Rourkee
- LLM by NVIDIA, Prompt Engineering from Coursera
- Prompt Engineering from Courseera
- Machine learning with python from courseera
- Python Core and Data science from Sololearn

ACHIEVEMENTS AND AWARDS:

1. ATAL sponsored FDP coordinator titled “Integrated ML and DL in real time IOT systems” from Dec 2 to Dec 7, 2024
2. Coordinator of International econference on **International conference on Power, Control, Signals and Instrumentation Engineering (ICPCSIE’20), 28th August 2020**
3. Coordinator of five days FDP on “**AI techniques in power systems**”- June 22 - 27,2020
4. Coordinator of two days **International conference on Power, Control, Signals and Instrumentation Engineering (ICPCSIE’17)** on 21.09.17 & 22.09.17
5. Coordinator of one-day **International conference on Power, Control and Instrumentation Engineering (ICPCIE’16)** on 30.04.16

6. Coordinator of Seven days Anna University sponsored FDTP on FACTS from 16.12.15 to 23.12.15
7. Coordinator of Two days **international conference on Power, Control and Instrumentation Engineering (ICPCIE'14)** on 28.03.14 & 29.03.14.
8. Organized 10+ workshops and seminars as a forum coordinator in EEE department

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Presented the paper titled "***Intelligent Residential Energy Control with Demand Response Incorporating Renewable Power Sources and Electric Vehicle Integration***" at the 1st International conference on Power Energy and Secure Smart Technologies (ICPEST-2024) held during 13-14 December 2024 at Chaitanya Bharathi Institute of Technology, Hyderabad, India
2. presented the paper titled "Optimization of Power Loss Mitigation in Distribution Systems Using Hunter-Prey Optimization Algorithm for Multiple Types of DFACTS" at the 1st International conference on Power Energy and Secure Smart Technologies (ICPEST-2024) held during 13-14 December 2024 at Chaitanya Bharathi Institute of Technology, Hyderabad, India.
3. Paper titled, 'Differential Evolution Algorithm Based Optimization of networked microgrids' – IEEE conference, kerala, 5NANO23
4. Paper titled, 'SMART ELCTRIC VEHICLE CHARGING STATION USING SOLAR POWER'-IEEE conference, SRMIST, ICRTDA'23, Paper titled, 'Security Camera with AI voice assistant and face recognition', Springer conference-PSR college of Engineering
5. Paper titled, "Optimized Self-Supportive Architecture of Networked Microgrids using Differential Evolution Algorithm", ICOCS 22- Received Best paper award
6. Paper titled, "CHILD SAFETY WEARABLE DEVICE USING RASPBERRY PI", International e-Conference on Green Technologies for Power generation, Communication and Health Care on 6th June, 2020, SPIHER, Chennai,
7. Paper titled, " **Demand Response Based Wind Power Incorporated Optimal Power Flow - An Economic Analysis**" has been selected for presentation in the "**International conference on Power Generation Systems and Renewable Energy Technologies**" in Malaysia from April 4th to 6th 2017.

PROFESSIONAL MEMBERSHIPS:

- IEI