Faculty Profile



Dr. S. Nithya, M.E., Ph.D

Associate Professor / CSE

HIGHLIGHTS:

- Number of Journal Publications:23
- H-Index:3
- Project Funding Received: Nil
- Patents Published:06
- Patents Granted:01

PROFESSIONAL LINKS:

- Scopus ID: 60108773300
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=60108773300
- Google Scholar ID: 1792742417752
- Anna University Faculty ID: 2610031981
- AICTE Faculty ID: 1-3702061230
- Anna University Supervisor ID: Nil
- LinkedIn: https://www.linkedin.com/in/nithya-savari

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 23 Years
- Industrial Experience: Nil

AREA OF SPECIALIZATION:

- Wireless Communication
- Wireless Sensor Network
- Network Security
- VLSI Design

PATENTS PUBLISHED/GRANTED:

- 202241039620 A-Designing A Nanostructured Photovoltaics on Solar Panels To Increase The Efficiency of Solar Energy Utilization on 22/07/2022
- 202241073381 A - A Novel Approach to Predict the Effects of Climate Conditions and The Prevention Of Cardiovascular Disease on 06/01/2023
- 202341006381 - Implementation of Artificial Intelligence and Blockchain Integrated Billing Architecture For Charging on 24/02/2023

- 202341026273 A - Optimal Scheduling of Electric Car Charging and Discharging at A Parking Station with A Solar System and An Energy Storage Unit on 05/05/2023
- 202541033659-A- Smart Wearable Iot Device For Continuous Cardiovascular Health Monitoring
- 202541013218: A- Secure Multi-Party Computation In Blockchain Networks With Ai-Driven Optimization
- 475975-001 - AI And Blockchain Based Cloud Data Security Device

COURSES CERTIFIED:

- **COURSERA online course**
  - ❖ Introduction to Big Data
  - ❖ Machine Learning for All
  - ❖ Cybersecurity and Internet of Things
- **NPTEL online course**
  - ❖ Embedded System – Design Verification & Testing
  - ❖ Digital Circuits **-** Certified **ELITE**
  - ❖ Control Systems
  - ❖ Introduction to Internet of Things- **ELITE**
  - ❖ Cloud Computing – **ELITE & Topper**
  - ❖ Big Data Computing- **ELITE**
  - ❖ Demystifying Network – **ELITE**
- **UHV**
  5-day Online FDP on the theme "**Inculcating Universal Human Values in Technical Education**" organized by All India Council for Technical Education (AICTE) from 29th May to 2nd June 2023.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

<u>INTERNATIONAL CONFERENCE PARTICIPATED</u>

- **2nd International Conference on Innovation in Technology (INOCON 2023)** on **"Intelligent System for Vehicles License Plate Recognition Using a Hybrid Model of GAN, CNN and ELM"** at Sai Vidhya Institute of Technology. Karnataka, from March 3-5, 2023.
- **4th International Conference on Advances in Mechanical Engineering (ICAME 2022)** on **"Modeling And Simulation Of Improved Hybrid Dual Converter Using Wave Energy" at SRMIST, Kattankualthur from March 24-26, 2022.**
- **International Conference on Instrumentation, MEMS and Biosensing Technology (ICIMBT – 2021)** on "Advanced on Security System with Energy Saving" at SRMIST, Kattankualthur from February 18-20, 2021.

- **International Conference on Instrumentation, MEMS and Biosensing Technology (ICIMBT – 2021)** on "Advanced Home Security System with Energy Saving" at SRMIST, Kattankualthur from February 18-20, 2021.
- International **Conference on Recent Advances in Manufacturing Engineering Research (ICRAMER-2021)** on "Prediction of Denial-of-Service Attack Using Machine Learning Algorithm" at SRMIST, Kattankualthur from April 15-16, 2021.
- **International Conference on Power Electronics and Renewable Energy Systems (ICPERES-2021)** on "Predictive Maintenance of Industrial Equipment Using IOT" at SRMIST, Kattankualthur from April 21-23, 2021.
- **International Conference on Research in Electronics Engineering and Communication Techniques (ICREACT-2021)** on "Charging of Pacemaker by Wireless Power Transmission to Enhance a Green Environment" at SRMIST, Vadapalani from May 3-4, 2021
- **International Virtual Conference on Material Research (IVCMR-2021)** on "Developing Intelligent Controller for Heating, Ventilation and Air Conditioning System (HVAC)" at Easwari Engineering College from August 26-27, 2021
- **International E-Conference on Challenges and Opportunities in Renewable Energy, Smart Systems And E-Mobility (ICCORSE-2021)** on "Design of Land and Underwater Rover Using Raspberry Pi" at Easwari Engineering College from October 7-8, 2021.

NATIONAL CONFERENCE PARTICIPATED

- Presented a Paper, "Design and control of electric vehicle charger with transformer controlled Li-ion based electric vehicle system" in **2nd National Conference on "Recent Advances in Communicative Electronics (NCRACE 2023) "** at SRM TRP Engineering College, Trichy from March 9-10, 2023.

- Presented a Paper, "Design And Control Of Electrical Vehicle Charger" in Virtual **International Conference on "Hierarchically Structured Materials "** at SRMIST, Ramapuram from March 24-25, 2022.

- Presented a Paper, "Design and Experimental Analysis on Solar Hybrid Cycle" in **National Conference on "Innovation in Science and Technology"** at Venkateshwara College of Engineering and Technology, Chittoor, Andhra Pradesh from July 8-9, 2021.

FACULTY DEVELOPMENT PROGRAM PARTICIPATED

- Participated in the AICTE Recognized Faculty Development Programme on **Raspberry Pi and its Interfacing** Conducted by Electrical Engineering Department from 27/02/2023 to 03/03/2023 (One Week) at NITTTR, Chandigarh
- Participated in **AICTE Training And Learning (ATAL) Academy** Online FDP on "Power Electronics System and its Real Time Implementation in DSP" from 2021-11-8 to 2021-11-12 at Fr. C.Rodrigues Institute of Technology
- Participated in **AICTE Training and Learning (ATAL) Academy** Online Short-Term Training Program on "Electric Mobility: Development, Integration and Design Challenges" from 2021-3-22 to 2021-3-27 at Jerusalem College of Engineering

- Participated in **AICTE Training and Learning (ATAL) Academy** Online Short-Term Training Program on "Machine Learning on Recent trends and Applications" from 2021-5-10 to 2021-5-15 at Srinivasa Ramanujan Institute of Technology
- **Faculty Development Program** on **"**D3 (Design. Develop. Decode) GUI Based FPGA Programming" from 2021-12-20 to 2021-12-24, at SRMIST, Vadapalani.
- **One Week Online Industrial Training Program** on "Block Chain Using Python" from 2021-07-26 to 2021-08-01 at Vellalar College of Engineering and Technology.
- **Faculty Development Program** on "International Online Workshop on AI" from 2021-04-07 to 2021-04-11 at Bangalore Institute of Technology.
- **Faculty Development Program** on "Future research scope in Electrical Engineering" from 2020-06-22 to 2020-06-26 at St. Joseph Engineering College.
- Five Days **Faculty Development Program** on "Arduino"**,** Satyabhama Institute of Science & Technology, Chennai in association with IIT Bombay Spoken Tutorial Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) from May 4-8, 2020.
- One-week online **Faculty Development Program** on "Effective Design and Delivery of Curriculum in Outcome Based Education**",** Jhulelal Institute of Technology, from 6-10 July, 2020.

PROFESSIONAL MEMBERSHIPS:

- Life time Member in **ISRD** (International Society for Research and Development) - Membership ID No.: M4150904732.

- • Life time Member in **IAENG** (International Association of Engineers) - Membership ID No.: 208021