

FACULTY VITAE

Name – Swarna M

Education –

Ph.D., Networking in IoT, Dr. M.G.R. Educational and Research Institute, Chennai, 2020.

M. Tech., VLSI and Embedded System, Dr. M.G.R. Educational and Research Institute, Chennai, 2014.

BE., Electronics and Communication Engineering, Government Engineering College, Salem, 2011.

DCSE., Computer Science, Pawai Polytechnic College, Namakkal, 2003.

Academic experience –

Dr. M.G.R Educational and Research Institute, Associate Professor, 2022 – Present.

Dr. M.G.R Educational and Research Institute, Assistant Professor, 2014 – 2021.

DPC Polytechnic, Salem, Lecturer, 2010-2012.

Non-academic experience – NIL

Certifications or professional registrations– NIL

Current membership in professional organizations

IAENG (International Association of Engineers) Membership (Member No: 179879)

Honors and awards

Maulana Abul Kalam Azad award for Research in Feb 2021

Service activities (within and outside of the institution)

Chief Guest in Future Skill Expo-2024 in Velammal Vidhyalaya School, Melayanambakkam-February 15th, 2024

Key note speaker in the Title of Gender Sensitization in Kenriya Vidhyalaya, Gill Nagar-January 31st, 2024

Guest Lecture given in the Topic of “Applications of Network Theory” in Sri Manakula Vinayagar Engineering college, Pondicherry-May 19th 2023

Guest Lecture given in the Topic of "Implementation of IoT In Real Time Application "in CMR Engineering College-February 29th 2023

Session Chair for IEEE International conference in St. Joseph’s College of Engineering-May 25&26th , 2023

Session Chair for IEEE International conference in St. Joseph’s Institute of Technology-December 14 & 15th ,2023

Given Motivational talk in Velammal Vidhyalaya School, Melayanambakkam -August 26, 2023.

Chief Guest in Future Skill Expo-2023 in Velammal Vidhyalaya School, Avadi-December 19, 2023

Expert Talk on Sustainable Development in Kenriya Vidhyalaya, Gill Nagar-November 2nd, 2023

Chief Guest in Future Skill Expo-2023 in Velammal Vidhyalaya School, Melayanambakkam-January 10th , 2023

Briefly list the most important publications and presentations from the past five years –

Highly sensitive hybrid structured based dodecagonal core with double layer hexagonal cladding photonic crystal fiber for food oil health sensing, Published in Springer Nature on Sep 2023, J Opt <https://doi.org/10.1007/s12596-023-01423-3>

A Novel Deep Learning based Stress Analysis and Detection Scheme using Characteristic Data 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol , I , B 1-E 8

An Empirical Design of IoT based Health Surveillance Scheme for Corona virus Affected Patients 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol , I , B 1-E 8

A Novel Design of Deep Learning Assisted Drug Recommendation Model using Sentimental Inspection 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI)

A Robust Block chain Assisted Electronic Voting Mechanism with Enhanced Cyber Norms and Precautions 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol , I , B 1-E 8

Swarna, M & Godhavari, T 2020, 'Enhancement of CoAP based Congestion Control In IoT Network-A Novel Approach', Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.05.817>(Scopus Indexed Journal)

Swarna, M & Godhavari, T 2019, 'CoAP based Congestion Control Mechanism For Low Power IoT Networks', International Journal of Innovative Technology and Exploring Engineering, vol.8, no.10, pp.958-962

A Novel Design of Smart and Intelligent Soldier Supportive Wireless Robot for Military Operations International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI)

Instrumentation and Analysis Book Published on:2022, ISDN No:978-93-95054-05-8

Micro Expression Recognition using Low Memory Minimal Directional Local Tetra Pattern, Published in AIII conference ISBN No:978-93-91930-97-4

Briefly list the most recent professional development activities-

Reviewer in Hindawi, Springer.

Online Faculty Development Programme on "Designing chips with low power artificial intelligence" from 22.04.2024 to 01.05.2024, Dr. M.G.R. Educational and Research Institute in association with NIT Warangal.

International Scientific Conference "University Science: A look into the Future" from 08.02.2024 to 09.02.2024, Kursk State Medical University, Russia co-hosted by Dr. M.G.R Educational & Research Institute, Chennai.

Leadership development program on "Universal Human Values", 03.02.2024, Anna University, Chennai

Professional Development Program on Internet of Things, 12.02.2024 to 16.02.2024, NITTTR, Chennai.

Virtual FDP on "VLSI DESIGN", 18.12.2023 to 23.12.2023, Dr. M. G. R Educational & Research Institute.

Faculty Development Programme on "Communication and Computation" from 13.12.2022 to 17.12.2022 & 19.12.2022, Dr. M. G. R. Educational and Research Institute.