

FACULTY VITAE

Name – Deborah S

Education –

Ph.D., Information & Communication Technology, Anna University, Chennai, Tamil Nadu, 2020.

M. Tech, VLSI & Embedded System Engineering, Dr. M. G. R. Educational & Research Institute, Maduravoyal, Chennai, 2015

B.E., Electronics & Communication Engineering, University of Madras, Chennai, 2001.

PGDIT, Symbiosis center for Distance Learning, Pune, 2009.

B. Ed, S.N Educational Research, 2018.

Academic experience –

Dr. M. G. R. Educational & Research Institute, Assistant Professor of Electronics & Communication Engineering, 2022 - Present

CPS Global School, Science Facilitator, 2020 - 2022

Non-academic experience –

Sr. System Engineer, Cybernet Slash Support, 2006 - 2008

Customer Support Representative, Computer Associates, 2003 - 2005

Network Associate, Slash Support, 2002 - 2003

Certifications or professional registrations-

Microsoft Certified Systems Engineer

Solaris Certified Network Associate

Solaris Certifies Systems Engineer

Cisco Certified Network Associate

Current membership in professional organizations – NIL

Honors and awards-

Anna Centenary Research Fellowship (2016)

Service activities (within and outside of the institution)-

HAM radio coordinator for Dr. M. G. R educational & Research Institute (2024)

Website coordinator for the department of Electronics & Communication Engineering (2023 – 2024)

Journal Peer reviewer for the past four years (2020 – 2024)

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

Publications:

S. Deborah, T Jayanthi Daniel, S. Maheshwari, ‘Compact UWB Monopole Antenna with wide band notching using DGS based dual mode resonator’ International Journal of Microwave and Optical Technology, Vol. 19, No. 1 Jan 2024, pp.65-70.

P.Jegadeeshwari, N. Kirubakaran, S. Bharath, G.Nalinashini, G.Mmahalakshmi, Deborah Sabhan,(2023),Fault Identification in Modified Hybrid Digital Pulse Width Modulation using Triple Modular Redundancy, WSEAS transactions on circuits and systems DOI: 10.37394/23201.2023.22.16.

Deborah Sabhan, Victor Jaya Nesamoni and Jayanthi Thangappan 2021, ‘An efficient 2.45 GHz spiral rectenna without a matching circuit for RF energy harvesting’ Wireless Personal Communication, pp.1-14, <https://doi.org/10.1007/s11277-021-08233-5>.

Deborah Sabhan, Victor Jaya Nesamoni, and Jayanthi Thangappan 2019, ‘A wide-beam, circularly polarized, three-staged, stepped impedance, spiral antenna for direct matching to rectifier circuits’, Review of Scientific Instruments, vol. 90, no.5, pp. 1-7. <https://doi.org/10.1063/1.5088572>.

Deborah, S, Victor Jaya, N& Jayanthi, T,(2017), 'Characterization of 2x2 micro strip patch antenna array with corporate inset feed at 10GHz', International Conference on Telecommunication, power analysis and computing techniques (ICTPACT-2017).

Deborah, S, Victor Jaya, N, Jayanthi, T (2016), 'Design Implementation and comparative analysis of microstrip patch antenna on various substrate materials', Smart Information light fidelity Internet of things conference (SILICON'16).

Deborah, S, Victor Jaya, N & Jayanthi, T,(2016), 'Design and SAR analysis of microstrip patch antenna for biomedical applications', IEEE Indian Antenna Week-2016.

S. Deborah 2015, 'Adaptive Gentle Random Early Detection congestion algorithm in Software Defined Network', International Conference on Green Technologies for Power Generation, communication, and Instrumentation (ICGPC -2015).

Briefly list the most recent professional development activities-

Seminar on 'Outstanding in Teaching and Research' on July 3, 2024, Dr. M. G. R. Educational and Research Institute, Chennai.

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.

Presented paper in 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.

DST-SERB Sponsored two days' workshop on "Artificial Intelligence and IoT Applications in Health Care from 27.12.2023 & 28.12.2023, Dr. M. G. R Educational & Research Institute.

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

Faculty Development Programme on Communication and computation from 13 to 17 &19.12.2022, Dr. M. G. R Educational & Research Institute.

FDP on "Inculcating Universal Human values in Technical Education" from 14.11.2022 to 18.11.2022, All India Council for Technical Education (AICTE).