

FACULTY VITAE

Name – Anandhi S

Education –

Ph. D, VLSI Testing, Annamalai University,2021.

M. E., VLSI Design, K.S. Rangaswamy College of Technology, Anna University,2008.

B. Tech, ECE, Mahendra Engineering College, Madras University,2000.

Academic experience –

Currently Working as a Deputy Dean/Associate Professor in Electronics & Communication Engineering Department at Dr. M. G. R. Educational and Research Institute, Maduravoyal, Chennai, from 2021 to present.

Working as an Associate Professor in Electronics & Communication Engineering Department at Dr. MGR. Educational and Research Institute, Maduravoyal, Chennai, from 2008 to 2021

Worked as Assistant Professor in Electronics & Communication Engineering Department Sudharsan Engineering College, Sathyamangalam, Pudukottai, Tamilnadu. From 2005 to 2006.

Worked as Assistant Professor in Electronics & Communication Engineering Department Sasurie Engineering College, Vijayamangalam, Perundurai, Tamilnadu from 2003to 2004.

Worked as Assistant Professor in Electronics & Communication Engineering Department at Lakshmi Narayana Polytechnic, Dharmapuri, Tamilnadu 2002 to2003.

Non-academic experience –

Junior Engineer in Integra Systems, Coimbatore, from 2000 to 2002.

Certifications or professional registrations-

NPTEL Certification on “Digital Circuits” in 2019.

NPTEL Certification on “Introduction to Internet of things” in 2020.

Current membership in professional organizations –IAENG (International Association of Engineers)

Honors and awards-

International Event Speaker, Event conducted by LM global with support of the CN Civil society conference, 2024.

Service activities (within and outside of the institution) –

Working as Deputy Dean Patent in Dr. M. G. R Educational and Research Institute, Chennai.

Served as Chief Superintendent and Additional Chief superintendent for University examinations during 2023 and 2024 in Dr. M. G. R Educational and Research Institute, Chennai..

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

Patent Applied:

Entitled “Semi-Automatic Sewage Cleaning and Detection of Biogas for LPG Use”; Dr. K. S. Thivya, M. Janani, Mrs. Anandhi, S. Elakkiya, M. Anand; Application Number:202141037656; CBR NO:30819 dated 19.08.2021., Status: Published.

Entitled “Artificial Intelligence Based Techniques to Segment the Images Captured Using Multiple Modalities for Deeper Analysis of Stages of Lung Cancer”; Dr. Anandhi S; Application Number: 202231012165; dated 7.03.2022. Status: Published

Entitled “Vacuum Cleaner” Dr. Anandhi S; Application Number: 357051-001; dated 20-01-2022. Status: Granted.

Entitled “Multi-Purpose Swinging Device” Dr. Anandhi S; Application Number: 202241002199; dated 13-01-2022 Status: Published.

Entitled “Fence Post Uprooting Device” Dr. Anandhi S; Application Number: 202241002197; dated 13-01-2022 Status: Published.

Publications:

M. Janakirani, M. Anand, S. Anandhi, K. Manivannan, (2020),” Dijkstra Based Resilient Partially Disjoint Braided Multipath Routing “, TEST engineering management, vol 83 Issue 1, pp18916-18924. (ISSN: 0193-4120).

S. Anandhi, R. Neela, M. Janaki Rani, (2020), Power optimization in VLSI Circuits by using Reconfigurable LFSR with Clock gating Technique, IOP Conf. Series: Materials Science and Engineering 993 (2020) 012065 IOP Publishing doi:10.1088/1757-899X/993/1/012065. (Scopus)

S. Anandhi, R. Neela, M. Janaki Rani, (2020), VLSI Design of area efficient test data compression architecture for IoT devices, International Journal of Advanced Science and Technology Vol. 29, No. 4s, (2020), pp. 628-639

S. Anandhi, R. Neela, M. Janaki Rani, (2019),”Test Data Compression Techniques – A Survey”, Journal of Adv Research in Dynamical & Control Systems, Vol. 11, Special Issue-05, May 2019 ISSN: 1943-023X,pp 1666-1679.

S. Anandhi, R. Neela, M. Janaki Rani (2019),”Efficient Test Data Compression for SoC through ASRL with Improved Dictionary based Compression Technique”. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN:2278-3075, Volume-8 Issue-11, pp 3591-3597.

Briefly list the most recent professional development activities

Online Faculty Development Programme on “Designing chips with low power artificial intelligence” from 22.04.24 to 01.05.24, 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.

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

FDP on “5G/6G Mobile and Wireless Technologies” from 04.12.2023 to 08.12.2023, Vellore Institute of Technology, Chennai.

FDP on “Empowered women - 2.0” from 10.4.2023 to 12.4.2023, Dr. M.G.R Educational & Research Institute.

FDP on “Communication and Computation” from 13.12.2022 to 19.12.2022, Dr. M.G.R Educational & Research Institute.

FDP on “Intellectual Property Rights” from 09.05.2022 to 14.05.2022, Dr. M. G. R Educational & Research Institute.

Short Term course on “Machine Learning using Python through ICT” from 28.03.2022 to 01.04.2022, National Institute of technical teachers Training and Research, Chandigarh.

FDP on “Recent Trends in 5G Technologies” from 06.12.2021 to 11.12.2021, Dr. M. G. R Educational & Research Institute.

FDP on “Inculcating Universal Human values in Technical Education” from 12.07.2021 to 16.07.2021, All India Council for Technical Education (AICTE).

Faculty Development Programme Series 30 hrs on “Need of Innovation in Research Methodology”, organized by Dr. M.G.R. Educational and Research Institute. April 29, 30 & May 1 2021.