

FACULTY VITAE

Name – Sudhaman K

Education –

Ph.D., Dr. M.G.R. Educational and Research Institute, Chennai, 2019.

M.E., Information and Communication Engineering, Anna University, Chennai, 2006.

B.E., Electrical and Electronics Engineering, University of Madras, Chennai, 2001.

Academic experience –

Dr. M.G.R. Educational and Research Institute, Associate Professor of Electronics and Communication Engineering, 2006 - Present

Non-academic experience – – NIL

Certifications or professional registrations–

Successfully completed five NPTEL Certifications in Image Processing, Introduction to Machine Learning, Industrial Internet of Things, Cryptography, and Network Security. Industry 4.0 .

Current membership in professional organizations-

Institution of Engineers, India, IEI (Life Membership) (2017 – Present)

Honors and awards-

Best faculty award from GREEN9, on Sustainable Development Goals - SDG (October 2020)

SIR CV Raman Research Publication Premium Award for Research Publication (2019)

Service activities (within and outside of the institution)

Member of Academic Council (2019)

Member of Board of Studies (2011 - Present)

Timetable Committee (2011 - 2016)

Exam Cell Member (2011 - Present)

International Relations Office Member (2018 - Present)

Microwave and Fiber Optic Communication Lab In charge (2011 - Present)

University Question Paper Setting and Evaluation in Anna University, Kanchi Sankara University, Saveetha University, Sathyabama University, Andhra University

Chief Superintendent in University Theory Examinations at Dr. M.G.R. Educational and Research Institute 2014, 2015, 2016, 2021

Project Expo Evaluator in Saveetha School of Engineering and Saveetha University (2023)

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

K Sudhaman, Candida Jenish, (2023), Analyzing the challenges of RIS-assisted UAV wireless communication in industrial IoT environments, *Journal of Data Acquisition and Processing* 38(4):1498-1515DOI:10.5281/zenodo.777973.

K Sudhaman, T Godhavari and R Anusha (2020) Design of Microstrip Patch Antenna at 10.3 GHz for X-band applications, *IOP Conf. Ser.: Mater. Sci. Eng.* Vol 993, I 1, B 12066993 012066,doi: 10.1088/1757-899X/993/1/012066

K Sudhaman, Mahesh Akuthota, Sandeep Kumar Chaurasiya, (2022) A Review on the different Regression Analysis in Supervised Learning, Bayesian Reasoning and Gaussian Processes for Machine Learning Applications, Vol , I , B 15-E 32

K Sudhaman, M Anand, (2020) Angle based Adversary node detection in wireless sensor networks, *Journal of Critical Reviews*, vol. 7, 6 B, 542-E 553

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” on 08.02.2024 & 09.02.2024, Kursk State Medical University, Russia cohosted by Dr. M. G. R Educational & Research Institute, Chennai.

Quantum computing: Transforming the future of computing, 30.09.2023, The Institution of Engineers (India).

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.

Attended Faculty Development Programme on “VLSI Design” from 18/12/2023 to 23/12/2023 at Dr. M. G. R E&RI

Funding Project-

Co-Principal Investigator in Funded Project from CABS-DRDO for 21.84 Lakhs on ‘Design of Antenna Array with compatible Radome for marine pollution detection’ (Jan 2022 – Jan 2024)