

## FACULTY VITAE

Name – Anand M

Education -

Ph.D., Embedded Systems, St Peters University, Chennai, 2012.

M.E., Applied Electronics, Sathyabama University, Chennai, 2005.

B.E., Electronics and Communication Engineering, Jayamatha Engineering College, Nagerkovil (Affiliated to M.S University),2001.

Academic experience –

Dr. M G R E&RI, Chennai, Professor, 2012- Present.

Dr. M G R E&RI, Chennai, Assistant Professor, 2007- 2011.

GKM College of Engineering & Technology, Chennai, Tamil Nadu, Senior -Lecturer, 2005-2007

Sri Krishna Engineering College, Chennai, Lecturer, 2002- 2005.

Non-academic experience – NIL

Certifications or professional registrations- NIL

Current membership in professional organizations-NIL

Honors and awards-

Certificate of appreciation for “Tech Star Summit -2023” for acting as a Faculty Peer Evaluator by SIMATS Engineering.

Received star author achiever award from MGR SIR CV Raman Journal Club for Monthly star author Category in June 2022 by Dr. M. G. R. Educational and Research Institute, Chennai on 20.12.22.

IASTE (International Association for science and Technical Education) Best research supervisor award 2018.

Certificate of excellence for “ICON of the department “for the academic year 2015- 2016 in Dr. M. G. R. Educational and Research Institute, Chennai.

Research appreciation certificate on 3rd December 2014 in Dr. M. G. R Educational and Research Institute University.

Service activities (within and outside of the institution) –

Worked as a NAAC Criteria II Coordinator for the University.

Participated in Workshop and Conference.

Preparing paper for International Journal.

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

Publications:

Gadde Suresh, K. S. Thivya & M. Anand, (2023), “High- Fidelity Generative Image Compression Using GAN’S and KNN Approach”, Journal of Data Acquisition and Processing, Vol 38(2) 2023, pp 1794 to 1811, ISSN: 1004-9037, <https://sjcjycl.cn/DOI:10.5281/zenodo.776810>.

G. V. S. Manoj Kumar, M.Anand &K. S. Thivya,(2023), “ R-CNN ResNet-50FPN and Artificial Neural Network Integrated with NLP to Detect SMPS Faults”, Journal of Data Acquisition and Processing, Vol 38(2),pp 4075 to 4085, ISSN: 1004-9037, <https://sjcjycl.cn/DOI:10.5281/zenodo.777389>. [Scopus indexed]

Gadde Suresh, K.S.Thivya &M. Anand, (2023),“High- Fidelity Generative Image Compression Using GAN’S and XGBOOST Approach” , Seybold, Vol.18 Issue-3, pp 204 to 221, ISSN 1533-9211, <https://seyboldreport.net/> . [Scopus indexed].

G.V.S. Manoj Kumar, M.Anand & K.S.Thivya,(2023), “ Hybridized R-CNN ResNet-50FPN with Multilayer Perceptron Integrated with NLP to Detect Faults in CCTV SMPS”, Seybold, Vol.18 Issue-5, 2023, pp 58 to 70, ISSN 1533-9211,<https://seyboldreport.net/>. [Scopus indexed].

V Malathy, S Kollem, CR Prasad, M Anand, (2022), “Vehicle to vehicle congestion control using controller area network communication”, AIP Conference Proceedings 2418 (1), 030078.

V Malathy, CR Prasad, S Kollem, M Anand, (2022), "Low cost, small and high resonating frequency patch for wireless applications", AIP Conference Proceedings 2418(1), 030077.

Anand M, Raja B, Malathy V & Sudhaman K,(2020), 'Lessons from the Deadliest Viruses on Earth in Twenty First Century', Test Engineering and Management (Q4), ISSN: 0193-4120, Vol. 83, pp.18851-18857.

Raja B, Anand M, Malathy V & Sudhaman K, (2020), 'Identification of Plants with their Medicinal Uses by Convolutional Neural Network', International Journal of Advanced Science and Technology (Q3), ISSN: 2005-4238, Vol. 29, No. 6s, pp. 1401-1408.

Malathy V, Anand M, Kamali S M & Umadevi, (2020), 'Parallel Pipelined Multi Radix Variable Length Fast Fourier Transform Architecture', Journal of Critical Reviews, ISSN: 2394-5125, Volume-7 Issue-6, pp.531-541.

Sudhaman K, Anand M, Raja B & Malathy V., (2020), 'Angle Based Adversary Node Detection in Wireless Sensor Networks', Journal of Critical Reviews, ISSN: 2394-5125, Volume-7 Issue-6, pp.542-553.

J. Tarun Kumar, V. Malathy, M. Anand, S.M.Kamali, (2020)," Collaborative Learning in Engineering Education and overcoming the hassles in the classroom implementation" Solid state Technology, ISSN: 0038111X Vol. 63 No. 1.

M. Janakirani, M. Anand, S. Anandhi, K. Manivannan, (2020), "Dijkstra Based Resilient Partially Disjoint Braided Multipath Routing" Test Engineering and Management (Q4), ISSN: 0193-4120 Page No. 18916 – 18924.

M. Lenin Kumar, M. Janaki Rani, M. Anand, (2020), "Underwater Optical and Acoustic Communication through a Novel Hybrid Opto-Acoustic Modem "Jour of Adv Research in Dynamical & Control Systems, Vol. 12, Issue-06.

H. Raghupathi, Dr. M. Anand, Dr. M. Janaki Rani, Dr. K. Hemachandran, (2020)," Performance analysis of Deep Neural Network with Hybrid Feature Extraction for traffic sign detection "International Journal of Control and Automation Vol. 13, No. 4, pp:378 – 390.

K Vijayakanthan, Hemachandran K, M Anand and M Janaki rani, (2020)," High Throughput and Mixed Radix N-Point Parallel Pipelined FFT VLSI Architectures for Advanced Wireless Communication" International Journal of Grid and Distributed Computing Vol. 13, No. 1, pp. 400-411.

Briefly list the most recent professional development activities –

FDP on "Recent Trends in VLSI Design and Embedded systems" from 11.06.2024 to 15.06.2024, Bharath Institute of Higher Education and Research, 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 & Research Institute.

FDP on "Empowering Innovators: Unleashing the Potential of Intellectual Property, Research Funding, Technology and Entrepreneurship" from 24.07.2023 to 29.07.2023, Panimalar Engineering College.

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

FDP on "Internet of Things" from 12.09.2022 to 19.09.2022, SRM Institute of Science and Technology, Chennai.