

FACULTY VITAE

Name – Thivya K S

Education –

Ph.D., Image Processing, Anna University, 2017

M.E., Applied Electronics, MNM Jain Engineering College affiliated to Anna University, 2009,

B. Tech, Bio-Medical Engineering, Bharath University, 2007

Academic experience –

Dr. M.G.R. Educational and Research Institute, Maduravoyal, Chennai, Deputy Dean (Data Centre – Medical and Dental) / Professor in Department of Electronics & Communication Engineering, 2021 - Present.

Dr. M.G.R. Educational and Research Institute, Maduravoyal, Chennai, Associate Professor in Department of Electronics & Communication Engineering, 2018 - 2021.

M-TUTOR- an e-learning company, Subject Matter Expert, 2017 - 2018.

Easwari Engineering College (SRM groups), Assistant Professor in Department of Electronics & Communication Engineering, 2016 - 2017.

Renganayagi Varatharaj College of Engineering, Assistant Professor in Electronics & Communication Engineering Department, 2014 - 2016.

MNM Jain Engineering College, Assistant Professor in Department of Electronics & Communication Engineering, 2012 - 2014

MNM Jain Engineering College, Lecturer in Department of Electronics & Communication Engineering 2009 – 2012.

Non-academic experience –

6 months worked as Subject matter expert.

Certifications or professional registrations- NIL

Current membership in professional organizations

Computer Society of India

Honors and awards –

Academic and Professional Awards-

Best Paper Award:

“ARTIFICIAL VOICE FOR SPEECHLESS” awarded as Best Paper in the National Conference on Recent Advances in Computing & Communications, organized by the Computer Society of India, Chennai Chapter, held at Shri Shankarlal Sundarbai Shasun Jain College for Women, Chennai on 22nd March 2014.

“RF TRANSMITTER AND RECEIVER BASED ON ENERGY METER USING ZIGBEE” awarded as Best Paper in the National Conference on Green Energy Technologies – Energy Management Instrumentation, organized by CSIR – CSIO, Chennai chapter, held at Misrimal Navajee Munoth Jain Engineering College, Chennai on 29th April 2017.

Service activities (within and outside of the institution)-

Reviewer in Springer journal- Journal of The Institution of Engineers (India): Series B for past 6 years

Conducted NSS activity – Prevention from Malaria

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

S. Elakkiya, K.S.Thivya & M. Janakirani,(2023), “ A Novel Dolphin Based Fractal Image Compression Technique”, Journal of Data Acquisition and Processing, Vol 38(1) 2023, pp 3599 to 3613, ISSN: 1004-9037, <https://sjejycl.cn/DOI:10.5281/zenodo.7765895>. [Scopus indexed]

K. S. Thivya , Mrs. S. Elakkiya& Mrs. M. Janani,(2023), “ Artificial Voice for Voiceless Using English Language”, Journal of Data Acquisition and Processing, Vol 38(1) 2023, pp 5002 to 5009, ISSN: 1004-9037, <https://sjcjycl.cn/DOI:10.5281/zenodo.7766211>. [Scopus indexed]

Gadde Suresh, K.S.Thivya & M. Anand,(2023), “High- Fidelity Generative Image Compression Using GAN’ Sand 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>. [Scopus indexed]

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) 2023, 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, 2023, 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 ResNet50FPN 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]

S. Elakkiya & K.S.Thivya,(2021) “ Comprehensive Review on Lossy and Lossless Compression Techniques”, J.Inst.Eng.India.Ser.B, Springer, Doi: 10.1007/s40031-021-00686-3.

G. Durgadevi, K. Sujatha, K.S. Thivya, S. Elakkiya, M. Anand & S. Shobana, (2021), “Enchodroma Tumor Detection from MRI Images Using SVM Classifier”, In Book, AI, Innovation in Medical Imaging Diagnostics, ISSN 13:9781799830924,DOI: 10.4018/978_1-7998_3092-4,CH009,B Page 155, Pg No 163.

Briefly list the most recent professional development activities-

Journal Club Activity Coordinator

Participated in Grand Challenge Contest 2021 for Design phase of Bluetooth speaker.

700 participants initially presented their ideas in which after 3 different rounds 3 best ideas were chosen. The winning design was awarded cash price and for the other two design’s, participation certificate was awarded. Our Team “Crazytech” won the participation certificate.

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.

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.

Books Published:

M Lorate Shiny, Dr. S. L Prathapa Reddy, Ms. B. Sreelatha & Dr. K. S. Thivya, “A Text Book of Digital Electronics”, RK publications, ISBN :978-93-95331-89-0.