

## FACULTY VITAE

Name – Elakkiya S

Education –

Ph.D., Image Processing, Dr. M. G. R. Educational and Research Institute, Chennai, 2023

M.E, Applied Electronics, Kongu Engineering College, Perundurai, 2015

B.E, ECE, DMI College of Engineering, Chennai, 2011

Academic experience –

Dr. M.G.R. Educational and Research Institute, Assistant Professor, Electronics and Communication Engineering, 2018- Present

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Assistant Professor, Electronics and Communication Engineering, 2016- 2018

Non-academic experience –

Wipro Technologies, Project Engineer, 2011 – 2013

Certifications or professional registrations – NPTEL Certification on “Fundamentals of Electronic Device Fabrication” in 2020.

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

Honors and awards

Organized DST-SERB sponsored two days’ workshop on “Artificial Intelligence and IoT applications in Healthcare” held on 27<sup>th</sup> and 28<sup>th</sup> December 2023.

Professional speaker for SDG Ethios Series on 22<sup>nd</sup> September

2023 Received NSR 108 Research Fellowship award from Na Subbureddiar 100 Educational Trust on September 2023.

Received STAR AUTHOR AWARD for the year 2020-2021 initiated by Sir.C.V.Raman Journal Club.

Service activities (within and outside of the institution)-

Member of Department IQAC, 2023-Present

NBA criteria coordinator during 2023

NACC criteria coordinator during 2022

Department IRCC coordinator, 2021-2023

Department Association Convener , 2019-Present

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

K.S.Thivya, S.Elakkiya & M.Janani, “Artificial Voice for Voiceless Using English Language” Journal of Data Acquisition and Processing, Vol 38(1) 2023, pp 5002 to 5009, ISSN: 1004-9037.

S. Elakkiya, K. S. Thivya & M. Janakirani, “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://sjcjycl.cn/DOI:10.5281/zenodo.7765895>. [Scopus indexed]

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

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

K. Sujatha, K. S. Thivya, S. Elakkiya, V. Srividya, NPG. Bhavani & Bhuvaneshwari Nagarajan, “Automated Real-Time Software Based Forecasting of Climate Change Using Chlorophyll Content on Agriculture”, In book : Recent Trends in Mechanical Engineering, Select Proceedings of ICIME 2020 (PP.599-606), Oct 2020, DOI: 10.1007/978-981-15-7557-0, ISSN : 2195-4356

K.S. Thivya, K. Jayabharathi, S. Elakkiya & M. Janani, “Reinforce Distributed Energy Efficient Clustering Protocol for Diversified Wireless Sensor Network”, Published in Journal of Test Engineering and Management, March-April 2020, Volume 83, Page Number: 18845 – 18850 [ISSN: 0193-4120: Scopus Indexed: Published by: The Mattingley Publishing Co., Inc.]

Mrs. K. S. Thivya, Mrs. Gomathi Nagajothi, Mrs. K. Jayabharathi & Mrs. S. Elakkiya, “Contriving Dye by Outcrossing AI6061/SiC/Red Mud Composites”, Published in International Journal of Control and Automation, May 2020, Volume 13, Issue No 4, Page No 701 -706. [ISSN:2005 4297: Scopus indexed & UGC Approved]

S. Elakkiya, K.S.Thivya, M. Janani & M. Anand, “FPGA Implementation of Coin Detection Using Matlab and Verilog”, Published in Jour of Adv Research in Dynamic and Control Systems, Vol 11,02 -Special Issue, 2019 Pg 786-793[[Scopus indexed]

Briefly list the most recent professional development activities-

Ten days Faculty Development Programme on “Designing Chips with low Power Artificial Intelligence” sponsored by MeitY, GoI organized by E&ICT academy and NIT Warangal during 22<sup>nd</sup> April -1<sup>st</sup> May, 2024.

Eight days Faculty Development Programme (online) on NEP- 2020 Orientation and Sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, University of Hyderabad (MMTTC- UoH) from 18th March to 26th March 2024.

Participated as Delegate in the International scientific Conference “University Science: A look into the future” organized by Kursk state Medical University, Russia and Dr. M.G.R educational and Research Institute on 8<sup>th</sup> and 9<sup>th</sup> February, 2024.

Six days Faculty Development Programme on “VLSI Design” held during 18<sup>th</sup> to 23<sup>th</sup> December 2023 organized by Dept of ECE, Dr. MGR. Educational and Research Institute, Chennai, India.

Six days Faculty Development Programme on “Recent Trends in Modern Smart Intelligent Systems” held during 8<sup>th</sup> to 13<sup>th</sup> May 2023 organized by Dept of ECE, Dr. MGR. Educational and Research Institute, Chennai, India

One day webinar on “Designing Course Outcome and Outcome- Focused Questions conducted by In-pods Edutech

Six day’s Online FDP on “Recent Trends in 5G Technologies” Organized by Dr .M. G. R. Educational and Research Institute on 06th to 11th December 2021.

Faculty Development Program on “Fundamentals of AI” conducted by ICT Academy on 02 Aug to 06 Aug 2021.

Faculty Development Programme on “VIRTUAL LABS” PALS-VLABS 2020-21 INITIATIVE with NITK Surathkal, 24-Aug-2020 to 28-Aug-2020

FDP on “Exposure & Rejuvenation of Technologies in Changed Era of the World” conducted by RKGIT, Ghaziabad from 6th July to 10th July

Online faculty development programme on “Recent Trends in Communication Technology” conducted by Kommuri Pratap Reddy Institute of Technology Hyderabad. From 15th to 19th June 2020

Hands On Workshop on "Effective and Efficient Online Teaching in the Age of Corona” by Teaching Learning Centre (ICT) at IIT Bombay on 17 May 2020

One-week online Faculty Development Programme on “Python 3.4.3” conducted by Dr.V.P.S.S.M.’s Padmabhooshan Vasantraodada Patil Institute of Technology BUDHGAON, DIST-SANGLI in association with IIT-BOMBAY SPOKEN TUTORIAL, 6th April to 2nd May 2020.