SONA COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
JUNCTION MAIN ROAD, SALEM – 636005 |TAMIL NADU |INDIA
Ph: +91 427 4099999 | principal@sonatech.ac.in

Department of Electronics and Communication Engineering

S.No	Name of the Supervisor & Department	Supervisor No	Name of the Scholar	Date of Registration	Name of the University	Full Time / Part Time	Title of Research	Name of the Organization (if scholar is employed)	Pursuing / Completed (Month & Year)
1.	**Dr. R. S. Sabeenian** Professor & HOD / Electronics and Communication Engineering	2940104	Ms. S.Sudha	27.01.2022	Anna University, Chennai	Part Time	Diabetic Foot ULCER (DFU) image segmentation using Deep Learning	St.Joseph college of Engineering, Tanjavur.	Pursuing
2.			Ms. C.M.Vinodhini	20.09.2021	Anna University, Chennai	Full Time	Deep Learning-Based Diagnosis of Certain Chronic Diseases	-	Pursuing
3.			Ms. K.K.Sree Janani	29.09.2021	Anna University, Chennai	Full Time	Deep Learning based mental depression detection from ECG signals	-	Pursuing
4.			Ms. K.Saranya	01.10.2021	Anna University, Chennai	Part Time	Low Power deep learning Architecture using FPGA implementation for IOT Applications	Sona College of Technology, Salem	Pursuing
5.			Mr. A.Ayub Khan	20.09.2021	Anna University, Chennai	Part Time	Efficient missing objects detection and identification from surveillance cameras	Sona College of Technology, Salem	Pursuing
6.			Mr. N.Vikram	21.01.2021	Anna University, Chennai	Part Time	Reconfigurable Energy Harvesting antenna design for monitoring health parameters of a Human body	Sona College of Technology, Salem	Pursuing

7.			Mr. P.Srinivasan	21.01.2021	Anna University, Chennai	Part Time	Image Processing	Sona College of Technology, Salem	Pursuing
8.			Mr. S.SreeSouthry	21.01.2021	Anna University, Chennai	Part Time	Video Processing using CCTV	Sona College of Technology, Salem	Pursuing
9.			Ms. V.Vijitha	18.12.2019	Anna University, Chennai	Full Time	Deep Learning based Efficient feature extraction techniques for MRI	-	Pursuing
10.			Ms. C.M.Kalaiselvi	20.12.2019	Anna University, Chennai	Full Time	Exploration of Low Area-High Speed by Hybrid Method OF Radix-8 Booth Encoding and Vedic Multiplier	-	Pursuing
11.			Mr. Eldho Paul	18.07.2018	Anna University, Chennai	Part Time	Certain Investigations on Removal of Mixed Noise In Digital Images Using Cascaded Convolutional Neural Networks	Christ University, Bangalore	**Completed** 05.05.2023
12.			Mr. V. Murugappan	03.09.2010	Anna University, Chennai	Part Time	Texture based Medical and Fabric Image Classification by using Multi-Scale and maximum like Hood classification technique with Local Binary Pattern (MGRLBP)	Agile Coach, Infosys	**Completed** 17.07.2020
13.			Mr. T. Yuvaraja	17.02.2011	Anna University, Chennai	Part Time	Certain Investigations on Medical image security using Fuzzy logic and dual tree complex wavelet	Kongunadu College of Engineering & Technology,	**Completed** 16.10.2020

							transform	Trichy.	
14.				Mr. M. Varatha guru	07.07.2011	Anna University, Chennai	Part Time	Certain Investigations on Edge Directed Interpolation based Image Compression for Multimedia Applications	Govt. Polytechnic, Coimbatore	**Completed** 11.01.2018
15.				Ms. L. Vidyavathi	03.09.2010	Anna University, Chennai	Part Time	Video motion estimation and compensation using Macro level sub block search (MaLSS) & Micro level pixel search (MiLPS) Algorithms for effective video compression application	Selvam College of Technology	**Completed** 16.08.2019
16.				Ms. S.Lavanya	07.09.2010	Anna University, Chennai	Part Time	An Investigation of Sectional IRIS Image Segmentation for Biometric Authentication	Jeyam Engineering college	**Completed** 16.10.2018
17.				Ms. S.Ponlatha	07.09.2010	Anna University, Chennai	Part Time	Video Compression using Hybrid methods based on wavelet transform	Mahendra Engineering College, Salem	**Completed** 19.02.2018
18.				Mr. A.Murugan	07.09.2010	Anna University, Chennai	Part Time	An Efficient and automatic deformed Glioblastoma tumor detection with shift invariant shearlet transform and neural networks	M.Kumarasamy College of Engineering, Karur	**Completed** 11.01.2019
19.				Ms. R.Gayathri	17.02.2011	Anna University, Chennai	Part Time	Studies on the use of Improved Filter and Non-Local means algorithm for	Rajalakshmi Engg college, Chennai	**Completed** 12.09.2018

							removal of Impulsive noise in images.		
20.				Mr. P.Anandan	17.02.2011	Anna University, Chennai	Part Time	Certain Investigation on fast discrete curvelet transform based Medical Image Compression and Fabric defect detection	R.M.D Engineering College, Chennai	**Completed** 12.09.2018
21.				Mr. P.M.Dinesh	18.01.2012	Anna University, Chennai	Part Time	Certain Investigations on Classification of indo Aryan and Tamil Text from Historic manuscript Images	Sona College of Technology, Salem	**Completed** 24.10.2019
22.				Mr. M.E.Paramasivam		Anna University, Chennai	Part Time	Processing and recognition of isolated Tamil Palm-Leaf manuscript characters using Hybridized feature extraction and classifier techniques	Sona College of Technology, Salem	**Completed** 08.03.2018
23.				Ms. K.Manju	17.02.2011	Anna University, Chennai	Part Time	Certain Investigation on Glaucoma identification using CDR and ISTN value	Sona College of Technology, Salem	**Completed** 07.08.2020
24.				Ms. T.Shanthi	17.02.2011	Anna University, Chennai	Part Time	Certain Investigations on Implementations of Convolutional Neural Network Architecture for Fundus Image Classification and Fabric Defects Detection	Sona College of Technology, Salem	**Completed** 21.08.2020
25.	**Dr. K. R. Kavitha** Professor /	2740105		Mr. Pasupathi Ramesh Babu	11.8.2023	Anna University, Chennai	Full Time	Breast Cancer Detection from Mammogram	-	Pursuing

	Electronics and Communication Engineering						images with the Aid of Image Restoration Technique using HNN		
26.			Mr. T. Sivakumar	11.07.2023	Anna University, Chennai	Full Time	AI for Optimizing the performance for Wireless Communication Systems	-	Pursuing
27.			Mr. Ramesh N	20.01.2023	Anna University, Chennai	Full Time	Removal of eye blink artifact using convolutional neural networks on EEG	-	Pursuing
28.			Ms. Manjubashini B	06.07.2022	Anna University, Chennai	Part Time	Design and Implementation of Energy Efficient Protocol for Secure Data Transmission in Wireless Sensor Networks	Knowledge Institute of Technology	Pursuing
29.			Mr. Prema M	10.02.2022	Anna University, Chennai	Full Time	Design and Characterization of FINFET based Digital Logic Circuits	-	Pursuing
30.			Mr. Karthikeyan T	12.10.2021	Anna University, Chennai	Part Time	Lung cancer Detection System using Lung CT iMAGE	Sona College of Technology	Pursuing
31.			Ms. Malini P	30.12.2019	Anna University, Chennai	Part Time	Secure and Efficient Routing Protocols for Optical Networks	Vivekananda Engineering College	Pursuing
32.			Ms. M.Amutha	03.01.2019	Anna University, Chennai	Part Time	Design and Analysis of Sequential Circuits using Quantum Cellular Automata for Memory Applications	Sona College of Technology	Pursuing

No.	Name	ID	Scholar	Date	University	Type	Title	College	Status
33.	**Dr. G. Ravi** Professor / Electronics and Communication Engineering	2840160	Mr. Sarath Kumar K	January 2023	Anna University, Chennai	Part Time	Reconfigurable Multiband Antenna for Wireless Communication Systems	Gandhi College of Technology, Salem	Pursuing
34.			Ms. Vidhya K	January 2022	Anna University, Chennai	Full Time	Effective Pothole Detection Using Modified Deep CNN –BiLSTM with Attention Mechanism	Sona College of Technology	Pursuing
35.			Mr. Periyathambi P	January 2022	Anna University, Chennai	Part Time	Resource Allocation for Spectral and Energy Efficient 5G Wireless Networks	VSB Engineering College, Karur	Pursuing
36.			Ms. Nagalalli G	January 2018	Anna University, Chennai	Part Time	Energy Efficient Multi Radio Clustering Protocol for Wireless Sensor Networks	Dhirajlal Gandhi College Of Technology, Salem	Completed May ,2023
37.			Mr. Mahaboob John Y M	January 2018	Anna University, Chennai	Part Time	Network Condition With Congestion Based Delay Approximation Technique For Secure Routing In Manet	Mahendra college of Engg, salem	Pursuing
38.			Mr. Ravishankar Kandasamy	January 2018	Anna University, Chennai	Part Time	An Efficient Video Streaming using Multi-Hop Wireless Network	Paavai Engineering College, Namakkal	Pursuing
39.			Mr. Sekar R	January 2018	Anna University, Chennai	Part Time	The Novelty Based on Compressive Sensing Algorithms for Various Applications	Sri Venkateshwara institute of Science and Technology Thiruvalluar	Completed July, 2022
40.			Mr. Sankar Ganesh S	July 2017	Anna University,	Full Time	Optimization Energy	-	Completed

				Chennai		Efficient Cluster Based Routing Scheme for Mobile Ad Hoc Network			Oct, 2021
41.				Mr. Sathish Kumar S	July 2017	Anna University, Chennai	Part Time	Smooth Mobility and Optimal Power Control for Wireless Networks	Jayalakshmi institute of Technology, Darmapuri	Completed May &2023
42.				Mr. Rajamanickam G	July 2017	Anna University, Chennai	Part Time	An Efficient Energy Saving Technique For Cellular Networks Using SCMA Technology	Jayalakshmi institute of Technology, Darmapuri	Pursuing
43.				Mr. Vimalnath S	July 2017	Anna University, Chennai	Part Time	Hybrid and Energy Aware Routing Protocol for Collision Avoidance in MANET	Paavai Engineering College, Namakkal	Completed Aug & 2021
44.	**Dr. B. Thiyaneswaran** Professor / Electronics and Communication Engineering	4190052	-	-	-	-	-	-	-	-
45.	**Dr. M. Jamuna Rani** Associate Professor / Electronics and Communication Engineering	4140126	-	-	-	-	-	-	-	-
46.	**Dr. T. Shanthi** Associate Professor / Electronics and Communication Engineering	4140130	-	-	-	-	-	-	-	-