



Hindusthan College of Engineering and Technology

Approved by AICTE, New Delhi and Accredited with 'A' Grade by NAAC
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Valley Campus, Pollachi Highway, Coimbatore-641032



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Research Supervisor Details

S. No.	Name of the Supervisor	Anna University – Supervisor ID	Area of Specialization	No of Scholars Pursuing PhD	No of Scholars Completed PhD
1.	Dr. Jaya J, Professor & Principal	2940123	Image and Signal Processing, Embedded System,	11	04
2.	Dr. Vijayalakshmi P, Professor & Head	2740066	Wireless Sensor Networks	08	03
3.	Dr. Baskar D Associate Professor	4140041	Signal and Image Processing, Machine Learning	1	-
4.	Dr. Suresh Babu A Associate Professor	4140044	Digital CMOS VLSI Design, and Signal Processing	2	-



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Research Scholars: Pursuing

S. No.	Name of the Supervisor	Scholar Details	Year of Admission	Title of the Thesis	Status	Supervisor/ Joint Supervisor
1.	Dr.Jaya J Professor & Principal	Vidhyasekar.A	Jan 2022	An Optimized Low Power VLSI Architecture for Implementation of Speech and Emotion Recognition Systems on FPGA	Confirmation Completed	Supervisor
2.		Bavithra.R	Jul 2021	A Performance Analysis of wireless Network for IoT Based Smart Application	Course Work completed	Supervisor
3.		Manoj.P	Jan 2021	A Certain Strategy to improve the performance of Wireless Sensor Network for IoT based Smart Application	Confirmation Completed	Supervisor
4.		Boobalan.T	Jan 2020	A Certain Investigation on Design Monitoring of Vital Parameters of Hygiene System for Domestic and Industrial using Internet of Things	Course Work Completed	Supervisor
5.		Abdul Hayum. A	Jul 2019	Real Time Human Vital Diagnosis System with Image Processing MATLAB	Confirmation Completed	Supervisor



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6.		Sasi.A	Jul 2018	Employing Mathematical optimization using Hybrid Deep Learning In Smart Beam Forming for 5G Network with IEEE 802.11ac	Confirmation Completed	Supervisor
7.		Dharanika.T	Jul 2018	Testing VLSI Design using Soft Computing Techniques	Confirmation Completed	Supervisor
8.		Ajay.P	Jan 2018	Studies on Optimization Algorithms for Energy Efficient Wireless Communication Networks	Thesis Submitted	Joint Supervisor
9.		Premanathan.G	Jan 2016	Soft Computing and its Application in Biomedical	Confirmation Completed	Joint Supervisor
10.		Nagarajan.D	Jan 2016	Control Scheme for Switched Reluctance Motor	Confirmation Completed	Joint Supervisor
11.		Agalya A	Jan 2016	Soft Computing based Controller Design for Industrial Process	Confirmation Completed	Joint Supervisor
1.	Dr.Vijayalakshmi, P Professor & Head	Nivethitha T	Jan 2022	Developing AI Based Data Driven Approaches for Agricultural Crops	Confirmation Completed	Supervisor
2.		Gayathri R	Jan 2022	Facial Feeling Acknowledgment Utilizing Convolution Neural Organization	Confirmation Completed	Supervisor
3.		Suseendaran S	July 2021	A Deep Learning Approach Digital Twin Health Care (DTTH) for Disease Diagnosis and Treatment	Confirmation Completed	Supervisor
4.		Anadhbabu Gopatoti	Jan 2021	Development of Implements Ion of Image Denoising Filtering Technique for Medical Images	Confirmation Completed	Supervisor



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5.		Sivakami K	July 2018	An Optimal Design and Analysis of High-Speed FIR Filter Structure for DSP Application	Confirmation Completed	Supervisor
6.		Vinoth Kumar V	Jan 2018	Energy Efficient Cluster Based Routing Protocol for Underwater Wireless Sensor Networks with Mobile Sinks	Confirmation Completed	Supervisor
7.		Ganakumari R	Jul 2017	Analysis of Virtual Community in Online Social Networks	Confirmation Completed	Supervisor
8.		Ramya S	Jan 2017	Multiple Input Multiple Output OFDM with Index Modulation for Next Generation Wireless Networks	Synopsis Submitted	Supervisor
1.	Dr.Baskar D	Chinju D. Solomon	July 2023	Certain investigations on the Detection and prediction of Brain Disorders Using Artificial Intelligence	Course Work registered	Supervisor
1.	Dr.Suresh Babu	Kiruthika N	July 2023	Breast Cancer detection with image retrieval using hybrid deep learning model	Course Work registered	Supervisor
2.		Hakeem B	July 2023	A Novel Deep Learning Approach for Accurate Lung Tumor Segmentation from CT Images	Course Work registered	Supervisor



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Research Scholars: Completed

S. No.	Name of the Supervisor	Scholar Details	Year of Admission	Title of the Thesis	Status	Supervisor/Joint Supervisor
1.	Dr. Jaya J Professor & Principal	Sampath Kumar S	July 2011	Development of Soft Computing Controllers for Direct Torque-Controlled Induction Motor Drive	Completed	Joint Supervisor
		Vignesh Kumar V	July 2015	Certain Investigation on Intelligent Irrigation System using Machine Learning for Uncertain Condition	Completed	Joint Supervisor
		Nisi K	July 2016	Studies on Various Applications using Multi Objective Optimization Approaches for Tuning PID Controllers	Completed	Research Coordinator
		Kalpana K	July 2017	A Novel Design of Nano Router with High Speed Crossbar Scheduler for Digital Systems in QCA Paradigm	Completed	Joint Supervisor
2.	Dr. Vijayalakshmi, P Professor & Head	Ramya J	July 2012	Certain Investigation on Seismic Image Denoising and Hydrocarbon Reservoir Interpretation	Completed	Joint Supervisor
		Duraivel A N	July 2017	Data Path Elements Design in 15nm FinFET Technology using Self-Controllable Voltage Level Technique	Completed	Research Coordinator
		Reyana A	Jul 2017	ADKF-DT-MF Multisensor Fusion Technique for Conditioned based Environment Monitoring System	Completed	Supervisor