



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**ECE R & D CENTER**  
**(Affiliated by VTU)**  
**PhD REGISTRATIONS**

The ECE department has an R & D Centre affiliated by Visvesvaraya Technological University (VTU). The R & D Centre is empowered with **14 Research Guides** and **15 Research Scholars**, actively engaged in research in the areas of Electronics and Communication Engineering, Signal Processing, Cryptography, Machine Learning and VLSI Technologies. The R & D Lab is well equipped with Wi-Fi facility with un-interrupted power supply.

**Ph.D. Awarded under ECE R & D Centre, KSIT, Affiliated to VTU**

Sl. No.	Year of Completion	Name of Scholar	Guide	Title
1	July 2020	Dr. Rekha N	Dr. Fathima Jabeen	Noise cancellation in GSM logical channel using search algorithm
2	Oct 2020	Dr. Devika B	Dr. P N Sudha	Optimization of power in Adhoc networks
3	Mar 2022	Dr. Prathima B A	Dr. P N Sudha	Development of Adaptive Automated Inspection System for Close Loop Manufacturing to Support Industry 4.0 Capabilities
4	March 2024	Dr. Lakshmi H R	Dr. B Surekha	Copyright protection of digital images using reversible lossless watermarking Techniques
5	March 2024	Dr. Renuka V Tali	Dr. B Surekha	Classification of White Blood Cells in Microscope Blood Smear Images using Machine Learning Techniques
6	August 2024	Dr. Sahana Salagare	Dr. P N Sudha	Design and development of auto charging System for wireless sensor node used in underwater sensor node
7	February 2025	Dr.. Sri Vidya L	Dr. P N Sudha	Enhancing Security System and S/N using Secured Key Generation and Adaptive Channel Coding Technique for Mobile Communication
8	February 2026	Dr. Ambika Annavarapu	Dr. B Surekha	Denoising of Medical Images using Adaptive Machine Learning Approaches

**Ph.D. Registrations under ECE R & D Centre, KSIT, Affiliated to VTU**

Sl. No.	Year of Registration	Name of Scholar	Guide	Title
1	2015-16	Mrs. Hazel Philbert	Dr. Shanthi Prasad M J	FPGA based SOC-NOC Universal Bus Bridge
2	2015-16	Mrs. Sangeetha V	Dr. P N Sudha	A novel approach to minimize the effect of fading using adaptive channel coding and multi carrier modulation techniques
3	2016-17	Mrs. Jayasudha B S K	Dr. P N Sudha	Embedding smart power aware biosensors for monitoring, communicating and multiscale processing of physiological signals
4	Reregistered in Jan 2022	Mr. Santosh Kumar B R	Dr. Manju V C	Development of customized platform for heterogenous low power motes using CONTIKI to build remote applications

5	2016-17	Mr. S Christo Jain	Dr. Manju VC	Real time smart WPT system for small scale application using aerial Projector
6	2016-17	Mr. Venkata Kranthi B	Dr. B Surekha	Human tracking and re-identification for automation of video surveillance systems
7	2018-19	Mr. Chandra Naik G	Dr. B Sudarshan	Hybrid encryption technique for enhancement of image security
8	2020-21	Mr. Sunil Kumar G R	Dr. B Surekha	Development of Secure System for Intellectual Property Protection in Theaters.
9	2022-23	Mr. Satish Kumar B	Dr. Rekha N	Energy Management in Physical Layer of MIOT using 6G Technology
10	2016-17	Ms. Vanishree Moji	Dr. Bharathi Gururaj	An Efficient and Adaptive Loop Filter (EALF) for HEVC Standard
11	2024-25	Mr. Naveen Kumar s	Dr. Dinesh Kumar D S	Adaptive Feature Centric Mass Absorption Similarity Based Brain Tumor Classification with CNN
12	2024-25	Mr. Velishala Krishna	Dr. Rekha N	Predictive Maintenance for Smart Manufacturing
13	2025-26	Mrs. Priyadarshini V	Dr. Electa Alice Jayarani	Artificial Intelligence - Driven fault diagnosis for power devices in electric vehicles
14	2025-26	Ms. Sristi	Dr. Surekha Byakod	Smart Neuro-Imaging Analytics:An AI Framework for early Neurodegenerative Disease Diagnosis
15	2025-26	Ms. Amritha R	Dr. Surekha Byakod	Intelligent renewable energy powdered autonomous robotics framework for IoT enhanced precision agriculture

### Status of Research Scholars in ECE R & D centre

Sl. No.	Guide	Name of the Research Scholar	Year of Registration	Course Work [Y/N]	Comprehensive Viva [Y/N]	Submitted Final Thesis [Y/N]	PhD Awarded
1	Dr. Fathima Jabeen	Mrs. Rekha N	Mar2014	Y	Y	Y	Y
2	Dr. P N Sudha	Mrs. Devika B	Dec 2014	Y	Y	Y	Y
3	Dr. P N Sudha	Mrs. Prathima B A	Dec 2015	Y	Y	Y	Y
4	Dr. B Surekha	Mrs. Lakshmi H R	Dec 2015	Y	Y	Y	Y
5	Dr. P N Sudha	Mrs. Sri Vidya L	Dec 2014	Y	Y	Y	Y
6	Dr. Shanthi Prasad M J	Mrs. Hazel Philbert	Dec 2015	N	N	N	N
7	Dr. P N Sudha	Mrs. Sangeetha V	Dec 2015	Y	Y	N	N
8	Dr. P N Sudha	Mrs. Jayasudha B S K	Jan 2017	Y	Y	N	N
9	Dr. P N Sudha	Mrs. Sahana Salagare	May 2017	Y	Y	Y	Y

10	Dr. Manju V C	Mr. Santhosh Kumar B R	Reregistered in Jan 2022	N	N	N	N
11	Dr. B Surekha	Mrs. Renuka V Tali	Jan 2017	Y	Y	Y	Y
12	Dr. Manju V C	Mr. S Christo Jain	Jan 2017	Y	Y	N	N
13	Dr. B Surekha	Mr. Venkata Kranthi B	Jan 2017	Y	Y	N	N
14	Dr. B Surekha	Mrs. Ambika Annavarapu	Mar 2019	Y	Y	Y	Y
15	Dr. B Sudarshan	Mr. Chandra Naik G	June 2019	N	N	N	N
16	Dr. B Surekha	Mr. Sunil Kumar G R	Mar 2021	N	N	N	N
17	Dr. Rekha N	Mr. Satish Kumar B	Mar 2023	N	N	N	N
18	Dr. Rekha N	Mr. Velishala Krishna	April 2025	N	N	N	N
19	Dr. Bharathi Gururaj	Ms. Vanishree Moji	Feb 2017	Y	Y	Y	N
20	Dr Dinesh Kumar D S	Mr. Naveen Kumar S	April 2025	N	N	N	N
21	Dr. Electa Alice Jayarani	Mrs. Priyadarshini V	Dec 2025	N	N	N	N
22	Dr. Surekha Byakod	Ms. Sristi	Dec 2025	N	N	N	N
23	Dr. Surekha Byakod	Ms. Amritha R	Dec 2025	N	N	N	N