The ECE department has an R & D Center affiliated to Visveswaraya Technological University (VTU). The R & D Centre is empowered with **6 Research Guides** and **17 Research Scholars,** actively engaged in research in the areas of Electronics and Communication Engineering, Signal Processing, Cryptography, Machine Learning and VLSI Technologies.

- R & D Laboratory is well equipped with Wifi facility, uninterrupted power supply of 40KVA, capacity, internet connectivity of 50Mbps speed and Dlink router.
- The Lab also has Xilinx FPGA Evaluation kit, DSP Starter kit, which helps students to carry out the project work.

Specifications of Computers and Workstations in ECE R & D Laboratory

Total No. of Computers-10	
Computer Specification (5)	
Company Name	HP
CPU Model	HP 280 G2MT
Processor	Intel Core i5
Speed	3.2 GHz
RAM	4 G B
Hard Disk	500GB
Monitor	LED 18.5 inches
Computer Specification (5)	
Company Name	Lenovo
CPU Model	M81
Processor	Intel Core i5
Speed	3.1 GHz
RAM	4 GB
Hard Disk	320GB
Monitor	LED 18.5 inches
Workstation 1 - VGST GRD-608	
Company Name	Dell
CPU Model	Dell workstation T430
Processor	Intel Xeon
Speed	1.7Ghz
RAM	8GB
Workstation 2 - VGST GRD-907	
Company Name	Dell
CPU Model	Dell Precision 3640 Workstation
Processor	Intel Core i7
Speed	2.9GHz
RAM	16GB

Hardware in R&D Laboratory:

Sl. No.	Hardware	Quantity
1	Raspberry Pi kit	1
2	Spectrum Analyzer	1
3	Microcontroller 8051 kit	2
4	Arduino UNO	1
5	Function Generator	2
6	CRO	2
7	Galileo board	100
8	DSP Starter Kit	5
9	XILNX Zynq-7000	2
10	FLIR C5 Thermal Camera	1

Software in R&D and Project Laboratories

Sl. No.	Software / OS used	Open source/Licensed
1	Windows 8.1 / 10	Licensed
2	Cadence	Licensed
3	MATLAB -2019-B	Licensed
4	LabVIEW	Licensed
5	MASM	Open source
6	Ubuntu	Open source
7	Arduino	Open source
8	Proteus	Open source
9	Raspberry Pi	Open source
10	Keil	Open source
11	NS2-Simulator	Open Source
12	Spice	Open Source
13	Multisim	Open Source
14	Code Block	Open Source
15	EDA	Open Source
16	VMware	Open source

E-Resources

Sl. No.	e-Resources
1	Elsevier-Science Direct e-Journals
2	Springer Nature e-Journals
3	Taylor and Francis e-Journals
4	Emerald (Management) e-Journals
5	Net Analytiks (Sententia-tool)
6	K-Nimbus (Digital Library Platform and Remote Access Solution)
7	Turnitin (similarity check tool)