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

The ECE department has an R & D Center affiliated by Visveswaraya Technological University (VTU). The R & D Center is empowered with **6 Research Guides** and **20 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. A total of **121** research articles were published and presented by the faculty in various technical journals and conferences in the past 3 years, with more than 450 citations.

Specifications of Computers and Servers in ECE R & D Laboratory

Computer Specification (5)	
Company Name	Lenovo
CPU Model	M72e
Processor	Intel Core i5
Speed	3.3 GHz
RAM	4 GB RAM DDR3
Hard Disk	500gb
Monitor	18.5"
Server Details	
Company Name	Dell
CPU Model	Dell workstation T430
Processor	Intel Xeon
Speed	1.7Ghz
RAM	8GB DDR4

Hardware details in R&D Lab

Sl. No.	Hardware Components	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

Software Details in R&D Lab

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.	Publishers	E-Portal	No. of e-Resources
1.	Elsevier-Science Direct e-Journals	www.sciencedirect.com	304 Journals
2.	Springer Nature e-Journals	https://link.springer.com/	690 Journals
3.	Taylor and Francis e-Journals	https://www.tandfonline.com/	555 Journals
4.	K-Nimbus (Digital Library Platform and Remote Access Solution)	https://ksitb.new.knimbus.com/	5700+ Journals
5.	Elsevier- E books	https://www.sciencedirect.com/	436 E-Books
6.	Taylor and Francis e-Books	https://www.tandfonline.com/	4950 E-Books
7.	McGraw Hill Education E-Books	http://mcgrawhilleducation.pdn.ipublishcentral.com/	505 E-Books
8.	New Age International e-books	http://www.newagepublishers.com/servlet/nahome	220 E-Books
9.	K-Nimbus (Digital Library Platform and Remote Access Solution)	https://ksitb.new.knimbus.com/	10,000+ E-Books
10.	Packt e-Books	https://prod.packtpub.com/in/	5002 E-Books
11.	Springer Nature	https://link.springer.com/	12,235 E-Books
12.	Turnitin (similarity check tool)		