

List of Laboratories available in Electronics Engineering

S.No.	Name of Laboratory	Name of Important Equipment/Software
1	Basic Electronics Engg. Lab	Half wave, Full wave & Bridge Rectifier Apparatus, PN Diode Characteristic trainer Kit, Digital Storage Oscilloscope, Cathode Ray Oscilloscope, Function Generator, Power Supply, Breadboard, All types of Electronic Component, Jumper Wire, Multimeter
2	Fund. Of Electronics Engg. Lab	Digital IC Trainer kit, Study of Logic Gate Using Six TTL ICs, Half wave, Full wave & Bridge Rectifier Apparatus, Digital Storage Oscilloscope, Cathode Ray Oscilloscope, Function Generator, Power Supply, Breadboard, All types of Electronic Component, Jumper Wire, Multimeter
3	Analog Electronics Lab	Transistor Characteristics Apparatus, Cathode Ray Oscilloscope, Function Generator, Power Supply, Breadboard, All types of Electronic Component, Jumper Wire, Multimeter
4	Measuring Instruments and Sensors Lab	Temp Transducer Kit , PID Controller, Synchro Transmitter-Receiver, Calibrate a voltmeter using Crompton potentiometer, Temperature Transducer Kit, Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Anderson Bridge, Maxwell inductance Bridge, Calibrate a voltmeter using Crompton Potentiometer, measure Low Resistance by Crompton Potentiometer, Calibrate a ammeter using Potentiometer, Kelvin double Bridge, Function Generator
5	Digital Electronics Lab	Digital IC Trainer, 8 bit A to D Converter, 8 bit D to A Converter
6	Principles of Electronic Communication Lab	Analog Communication System-Transmitter, Analog Communication System-Receiver
7	Electronic Simulation Software Practice Lab	MATLAB
8	Linear Integrated Circuit Lab	Operational Amplifier Inverting and non-Inverting Trainer, IC (LM741,LM324,555), Digital Storage Oscilloscope, Cathode Ray Oscilloscope, Function Generator, Power Supply, Breadboard, All types of Electronic Component, Jumper Wire, Multimeter
9	Microcontroller and its Applications	8085 Microprocessor Trainer Kit, 8031/8051 Microcontroller Trainer Kit
10	Digital Communication Lab	Advanced Digital Communication System, Digital Communication System
11	Electronic Equipment Maintenance	Analog IC Tester, Digital IC Tester, Multimeter, Screw Driver Set, Soldering set, Desoldering Pump

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12	Antennas and Microwave Engineering	Klystron power supply, VSWR Meter, Gun Power supply, VSWR meter
13	Automated Control System and PLC	PLC Trainer Kit
14	Electric Vehicle Lab (Basic & advance)	EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.
15	Robotics	8051 Microcontroller Kit, Conveyor with PLC Trainer, Mobile Robot Platform, Ultimate Code Robotic Platform, 6 axis ARM, Robotic Research Platform, Robotic Platform With Arm, Robotic Advance Kit, Robotic Junior Kit, Robotic Self Learning Kit, Wasp mote Kit, Swarm Robot, Diagnostic Software for all Research Robot.
16.	ICT Tool Lab/ Web Technology Lab/ Python Programming Lab/ Introduction to IT Systems Lab	All system equipped with latest ICT Tool, MS Office, Python Programming, F it & C Programming.
17	Applied Chemistry Lab (I&II)	All Types of Machines Materials, Chemicals and Equipments used in Applied Chemistry Lab
18	Applied Physics Lab (I&II)	All Types of Machines Materials, and Equipments used in Applied Physics Lab
19	Engg. Drawing Lab	Drawing Board
20	E- Ynatra Lab	Desktop Computer, 3-D Printing