



**LIST OF LABORATORIES AVAILABLE IN**  
**[ELECTRICAL ENGINEERING]**

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S.N o.	Name of Laboratory	NAME OF IMPORTANT EQUIPMENT'S/SOFTWARE
1	BASIC ELECTRICAL ENGINEERING LAB	Ammeter, Voltmeter, Rheostat, DC Power Supply, Breadboard, Connecting Wires, Multimeter
2	ELECTRICAL CIRCUIT AND NETWORKS LAB	Resistors, Capacitors, Inductors, Function Generator, CRO (Cathode Ray Oscilloscope), Network Analyzer, DC/AC Power Supply
3	MP & MC LAB(Microprocessor & Microcontroller Lab)	8086 Microprocessor Trainer Kit, 8051 Microcontroller Trainer Kit, Interfacing Modules, Personal Computer, Programming Software
4	POWER ELECTRONICS LAB	SCR, TRIAC, DIAC Kits, MOSFET and IGBT Trainer Kits, Chopper and Inverter Circuits, Firing Circuits, Thyristor (SCR) Trainer Kit, Step-Up Chopper Trainer Kit, Step-Down Chopper Trainer Kit, Single-Phase Parallel Inverter Trainer Kit using SCR, Single-Phase Series Inverter Trainer Kit using SCR, Battery Charger Experimental Kit using SCR, Experimental Kit for Speed Control of DC Series Motor (SCR Based), AC-DC Converters
5	DC MACHINE & AC MACHINES LAB	DC Shunt Motor, DC Series Motor, DC Generator, Single-Phase Transformer, Three-Phase Transformer, Loading Rheostat, Induction Motor, Synchronous Motor, Alternator, Starter (DOL/Star-Delta)
6	CONTROL SYSTEM AND PLC LAB	PID Controller Trainer Kit, Temperature Transducer Kit, AC Servo Speed-Torque Characteristics Trainer Kit
7	ELECTRICAL MEASUREMENT & INSTRUMENTATION LAB	Wattmeter, Galvanometer, Industrial Kelvin Double Bridge, Wheatstone Bridge, Dual-Range Single-Phase Dynamometer-Type Portable Wattmeter
8	ELECTRICAL SOFTWARE LAB	MATLAB/Simulink, AutoCAD Electrical
9	ELECTRICAL INSTALLATION, TESTING AND COMMISSIONING LAB	Megger (Insulation Tester), Earth Resistance Tester, Continuity Tester, Wiring Boards and Tools
10	SWITCHGEAR & PROTECTION LAB	Miniature Circuit Breaker (MCB) Trainer Kit, IDMT Overcurrent Relay Testing Kit, Circuit Breaker Trainer Kit, Air Circuit Breaker Trainer Kit, Minimum Oil Circuit Breaker (MOCB) Trainer Kit
14	Electric Vehicle Lab (Basic & advance)	EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.
18	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.
19	Applied Chemistry Lab(I&II)	All Types of Machines Materials, Chemicals and Equipment used in Applied Chemistry Lab
20	Applied Physics Lab(I&II)	All Types of Machines Materials, and Equipment used in Applied Physics Lab
21	Egg. Drawing Lab	Drawing Board