

Sl. No.	Name of the Laboratory	Name of the important equipment
I	Basic Electrical Engineering Lab	<ol style="list-style-type: none"> 1. A Composite Unit of Rectifier 2. A Complete Set Of Fluorescent Lamp 3. A Complete set of Tungsten & Carbon lamp 4. A Complete set of R-L-C Series circuit 5. A Complete set of R-L-C Parallel circuit 6. A Complete set of Calibration of Ammeter & Watt meter 7. Starting & Reversing of speed of DC Motor 8. A Complete set of speed control of DC shunt motor 9. Open circuit & short circuit test of 1-ϕ transformer 10. Magnetic circuit principles 11. Calibration of single phase energy meter 12. Network Theorem verification trainer(Model NW-1) 13. Network Theorem verification trainer(Model NW-2) 14. 2 PC with Scilab software
II	Electric Circuit Theory Lab	<ol style="list-style-type: none"> 1. CRO :- Aplab -20MHZ , 230V\pm 10%, 0.5Amp 2. Digital Storage Oscilloscope (DSO) ,50 MHz. , GwinSTEK 3. 3MHz Synthesized Function Generator 4. AM/FM Function Pulse Generator 5. Personal Computers Sets 6. RLC Network Trainer kit Model AN-5 7. Network Theorem Verification Trainer kit Model NW-2 8. Network Theorem Verification Trainer kit Model NW-1 9. Two Port Network Trainer kit Model NW-4 10. Analog & Digital trainer kit Model -3 11. R-L-C trainer kit 12. Scilab and Multisim software
III	Power System Lab	<ol style="list-style-type: none"> 1. Simulated power transmission line 2. Directional overcurrent relay 3. Overcurrent and earth fault relay 4. Differential relay 5. Under voltage relay and under voltage relay trainer kit 6. Oil insulation test set 7. Transmission line trainer kit 8. Transmission line simulator 9. Transmission line training system (nvis-7063) 10. HV insulation breakdown test set 11. Ac high voltage tester model-hj-5-10 12. Under voltage and over voltage relay testing system (nvis-7093) 13. Mi power software

IV	Power Electronics & Electric Drives Lab.	<ol style="list-style-type: none"> 1. Power Electronics Trainer 2. Ac Phase Control Circuit 3. SCR Characteristics 4. Triac Characteristics 5. Dual Trace Oscilloscope 6. Digital Storage Oscilloscope 7. Single Phase Fully Controlled Bridge Converter 8. Parallel Inverter Trainer 9. Cyclo Converter Trainer 10. Speed Control Of Dc Motor Using Scr (Open Loop) 11. Personal Computer Sets 12. Four Quadrant Chopper Trainer 13. 3 Ph Ac Induction Motor, 2hp With Panel 14. Speed Control Of Dc Motor Using SCR (close loop) 15. Chopper Circuit 16. Speed Control of AC motor using TRIAC 17. PC with Multisim software
V	Control System Lab.	<ol style="list-style-type: none"> 1. Linear System Simulator. 2. DC Position Control 3. Stepper Motor 4. PID Controller 5. Digital Control System 6. Light Intensity Control 7. Compensation Design 8. Control System Relay 9. Universal Electronics Trainer Kit 10. Cathode Ray Oscilloscope (CRO) 11. Digital Storage Oscilloscope (DSO)
VI	Electrical Machine Lab	<ol style="list-style-type: none"> 1. Supply Unit: Incoming Switch Fuse Unit, Busbar, Auxiliary Bus Chamber, AC Distribution Board, Incoming- MCCB, TPN, Outgoing-MCB, TPN, DC Power Supply, DC Distribution Board- Outgoing, DC Power Supply (small) 2. D.C Motor-D.C Generator Set With Control Panel 3. D.C Series Motor-D.C Generator Set With Drum Controller, Panel Box & Load Box 4. D.C Motor –Alternator Set With Panel Box and Load Box 5. 3 Phase Squirrel cage Induction Motor- DC Shunt Generator Set 6. Induction Motor Set up with belt load 7. Slip ring Induction Motor- DC Generator Set 8. Single Phase Induction Motor with control panel 9. 3-Phase Sq. Cage Induction Motor with mechanical loading arrangement 10. 1 phase Transformer 11. 3 phase Transformer 12. 3 Phase Variac 13. 3 phase load box
VII	Electrical & Electronic Measurement Lab	<ol style="list-style-type: none"> 1. Kelvin double bridge trainer kit 2. CT & PT trainer kit 3. De Sauty bridge trainer kit 4. Anderson bridge trainer kit 5. Wien bridge trainer kit 6. Maxwell bridge trainer kit

		7. Schering bridge trainer kit 8. 3- ϕ Different energy meter set 9. Oscilloscope 10. Digital storage oscilloscope
VII I	Project Lab	1. Dual Trace Oscilloscope. 2. Function Generator 3. DC Power Supply 4. PID Controller 5. Different electronic & electrical components and kits
IX	Electrical System Design Lab	Cut sections of motors and generators, Windings, Computer
X	Electrical Simulation & Research Lab	37 Computers

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