

Electrical Engineering Department

List of Major Equipment of Labs

Electronics Lab

S.N.	Name of Equipment	Quantity
1	CRO, 15 MHz	1
2	Half, Full Wave Bridge Rectifier	1
3	Regulated Power Supply	1
4	Study of OP AMP	1
5	DSO 100MHz	2
6	PN Junction Diode	1
7	Zener Diode and Diode Characteristics	1
8	UJT Characterstics	1
9	Astable Multivibrator	1
10	Monostable Multivibrator	1

Electrical Machines Lab

S.N.	Name of Equipment	Quantity
1	1 Phase Transformer, 230/115 V	1
2	Universal Motor	1
3	Motor Alternator Set, BS26131457	2
4	Slipring Motor with slipring starter	1
5	Panel to perform Block rotor test	1
6	Panel for OC & SC test on Synchronous motor 3phase, 5KVA	1
7	DC Shunt Motor, 1/2 HP	1
8	DC Shunt Motor, 1 HP	1
9	Starter for DC Series Motor	2
10	Static Converter Rectifier	1
11	Panel for measurement of Efficiency of DC Shunt Motor	1
12	Electrical Machine Trainer Panel for load test of DC Series motor	1
13	Panel for Speed Control of DC Shunt Motor	1
14	Variac 15 Amp, 3 phase	1
15	Variac 15 Amp, Single phase	1
16	Panel for Voltage relationship between Primary & Secondary of 3 Phase Transformer	1
17	Electrical Machine Trainer Panel for Synchronization of two Alternator	1
18	Electrical Machine Trainer Panel for Synchronization	2
19	Panel to Plot V Curve of Synchronous Motor	2
20	Electrical Machine Trainer DC	2
21	Variac	1

EMMI Lab

S.N.	Name of Equipment	Quantity
1	LCR Phase Meter Digital	1
2	Verification of Network Theorm	2
3	Single Phase Dynamometer type portable power factor	2
4	LVDT Trainer Kit	2
5	Control Panel for 3-4, circuit by two watt meter method	1
6	Thermocouple	1
7	Earth Resistance by fall of potential method	1
8	Variac, 10 Amp.	1
9	Panel for 1 phase energy meter by phantom loading	1
10	Phase shifting arrangement, 3+ rheostate	3
11	Verification of KCL & KVL	2
12	Study of Resistance Series and Parallel	2
13	Study of Ohm's Law	2
14	Study of LCR Resonance Appratus with built in Sinewan Oscillator	1
15	LCR Impedance & LCR	1
15	LCR Resonance Apparatus in sinewave	1
17	LVDT Kit	1
18	Thermocouple Trainer Kit	1
19	Load Cell Trainer Kit	1
20	Digital/ Volt/ Amp./ Frequency / PF Meter	1
21	Computer System HP	1

Electrical Computer Lab

S.N.	Name of Equipment	Quantity
1	UPS 5 KVA with 4 Hrs. Battery	01
2	Window AC 1.5 TON, Voltas make with Voltage Stabilizer	02
3	PLC Trainer make Sciebtech Model No. ST 2401	01
4	8051 Micro Controller Kit with USTS	02
5	8085 Microprocessor Trainer Kit with LCD	01
6	PLC Processor Programming Cable & Relay	01
7	PLC Simulation Sofftware & 3 Panel	01
8	VTIF / Core 156400, 8 GB RAM, 64 BIT / 500 AC, Wndow 10, ACER, CPU	05
9	V196HQLQBM, 18-JH, 16.95MA, ACER (47 CM), TFT	05
10	Biometric Attendance Machine (Real Time T-11)	01
11	Arduino Based sensor learning kit	02
12	PLC TRainer kit app. module	01
13	App. For traffic light	01
14	App. For DOL Starter	01
15	App for Elevator	01
16	Window AC 2TON, BLUE STAR make with Voltage Stabilizer	02
17	Voltage Stablizer 500 VA V.GUARD	02
18	HP Laserjet Printer M126nw	01
19	Acer Computer system AMD 19" TFT monitor	15