SL NO.	NAME OF THE DEPT.	NAME OF THE LABORATORY	NAME OF MAJOR EQUIPMENT	EXPERIMENTAL SETUP
1	ELECTRICAL ENGINEERING	ELECTRICAL MACHINE LAB-I	DC COMPOUND MOTOR	1. Study of Four point starter, connect and run a DC compound motor & measure no load current. 2. Identification of different terminals of a DC machine by test lamp method and multimeter method & to measure insulation resistance by megger.
			DC SHUNT MOTOR	1. Study of Three point starter, connect and run a DC shunt motor & measure the no load current. 2. Control the speed of a DC shunt motor by field flux control method & armature voltage control method.
			SINGLE PHASE TRANSFORMER	1. Perform OC Test and SC test of a single phase transformer. 2. Determine the voltage regulation of a single phase transformer at different loads. 3. . Identification of terminals, determination of voltage transformation ratio of a single phase transformer.
2	ELECTRICAL ENGINEERING	ELECTRICAL MACHINE LAB-II	1. 3 PHASE INDUCTION MOTOR 2. 3 PHASE SQUIRREL CAGE INDUCTION MOTOR 3. 3 PHASE SLIPRING INDUCTION MOTOR 4. SYNCHRONOUS MOTOR	1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current. 2. Study of Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.
			1. 3 PHASE LOAD BOX 2. 3 PHASE WATTMETER 3. 3 PHASE ENERGY METER	1. Measurement of power of a 3-phase Load using 3-phase wattmeter. 2. Connection of 3-phase energy meter to a 3-phase load.
			1. O.C.B. 2. BUCHHOLZ'S RELAY 3. EARTH FAULT RELAY	1. Study of an O.C.B. 2. Study of Buchholz's relay. 3. Study of an earth fault relay

3.	ELECTRICAL ENGINEERING	POWER ELECTRONICS & PLC LAB	1. SCR TRAINER KIT 2. SCR, MOSFET, IGBT, TRIAC, DIAC TRAINER KIT 3. CHARACTERISTICS AND APPLICATION OF THYRISTOR,DIAC, TRIAC,UJT TRAINER KIT 4. AC PHASE CONTROL USING SCR AND TRIAC 5. THYRISTOR FIRING CIRCUIT KIT 6. BJT TRAINER KIT 7. PARALLEL AND SERIES INVERTER TRAINER KIT	1. Study of V-I characteristics of SCR. 2. Study of V-I characteristics of TRIAC. 3. Study of V-I characteristics of DIAC. 4. Study of drive circuit for TRIAC using DIAC. 5. Study of characteristics of a power transistor. 6. To study series Inverter. 7. Study of voltage source parallel Inverter.
4	ELECTRICAL ENGINEERING	CIRCUIT AND SIMULATION LAB	1. SERIES AND PARALLEL BOX WITH LOAD 2. R-L-C LOAD BOX 3. SUPER POSITION THEOREM KIT 4. THEVENIN'S THEOREM KIT 5. NORTON'S THEOREM KIT 6. MAXIMUM POWER TRANSFER THEOREM KIT 7. R-L-C RESONANCE KIT 8. ACTIVE LOW PASS AND HIGH PASS FILTER 9. FUNCTION GENERATOR 10. OSCILLOSCOPE	1. Measurement of equivalent resistance in series and parallel circuit 2. Measurement of power and power factor using series R-L-C Load. 3. Verification of KCL and KVL. 4. Verification of Super position theorem 5. Verification of Thevenin's Theorem 6. Verification of Norton's Theorem 7. Verification of Maximum power transfer Theorem 8. Determine resonant frequency of series R-L-C circuit. 9. Study of Low pass filter & determination of cut-off frequency 10. Study of High pass filter & determination of cut-off frequency