ELECTRICAL ENGINEERING DEPARTMENT

SL NO.	NAME OF THE LABORATORY	LIST OF EQUIPMENTS	LIST OF EXPERIMENTS
1	ENERGY CONVERSION LAB-I	DC SHUNT MOTOR	TO STUDY ABOUT 3-POINT STARTER,CONNECTING AND RUNNING OF A DC SHUNT MOTOR
		3-POINT STARTER	
		3-PHASE RECTIFIER	
		PANEL BOARD	
		DC COMPUND MOTOR	TO STUDY ABOUT 4-POINT STARTER,CONNECTING AND RUNNING OF A DC COMPOUND MOTOR
		4-POINT STARTER	
		PANEL BOARD	
2	CIRCUIT THEORY LAB	TRAINER KIT FOR	
		LCL,KVL,SUPERPOSITION	VERIFY KCL,LVL.
		THEOREM,NORTON THEOREM,	VERIFY SUPERPOSITION THEREM,NORTON THEOREM,
		MAXIMUM POWER TRANSFER THEOREM	VERIFY MAX. POWER TRANSFER THEOREM
		CHARACTERISTICS OF RLC SERIES CIRCUIT	STUDY CHARACTERISTICS OF RLC SERIES CIRCUIT.
3	ENERGY CONVERSION LAB-II	COMPOUND MOTOR	PARALLEL OPERATION OF TWO ALTERNATORS
		SYNCHRONOUS GENERATOR SET WITH CONTROL PANEL	
		3-PHASE VARIAC	OPEN CIRCUIT AND SHORT CIRCUIT TEST OF ALTERNATOR
4	POWER ELECTRONICS LAB	POWER ELECTRONICS LAB TRAINER	
		TRAINER BOARD FOR SCR,TRIAC,DIAC,GTO,LASCR IGBT	VI CHARACTERSTICS OF SCR,TRIAC,DIAC.
		SINGLE PHASE CYCLOCONVERTOR	STUDY OF MID POINT 1-PHASE CYCLOCONVERTOR WITH RESISTIVE LOAD.
		BATTERY CHARGER	TO CONSTRUCT A BATTERY CHARGER OF 12 V.
5	DIGITAL ELECTRONICS LAB	DIGITAL IC TRAINER KIT	
		BASIC LOGIC GATES	FAMILIARIZATION WITH LOGIC GATES,TRUTH TABLES.
		ANALOG DIGITAL TRAINER CIRCUIT	
		HALF/FULL ADDER & SUBTRACTOR	DESIGN & IMPLEMENT HALF ADDER,FULL ADDER,HALF SUBTRACTOR
		3 XOR LOGIC GATE	DESIGN AND IMPLEMENT BINARY TO GRAY CODE CONVERTER CIRCUIT & VICE VERSA.
		DIGITAL EXPT PANEL	TO DESIGN AND IMPLEMENT 1-BIT COMPARATOR CIRCUIT USING LOGIC GATE.
		MULTIPLEXURE & DEMULTIPLEXURE PANEL	TO DESIGN AND IMPLEMENT 4: 1 MULTIPLEXURE AND 1:4 DEMULTIPLEXURE CIRCUIT.
6	ANALOG ELECTRONICS LAB	DC REGULATED POWER SUPPLY	INPUT &OUTPUT CHARACTERISTICS OF TRANSISTOR
		TRANSISTOR CHARACTERSTICS MODEL	
		FET CHARACTERISTICS MODEL	OUPUT AND TRANSFER CHARACTERISTICS OF FET.
		AMPLIFIER TRAINER KIT	CONSTRUCTION OF BRIDGE RECTIFIER.
		CRO	STUDY OF SINGLE STAGE COMMON EMITTER AMPLIFIER.

		FREQUENCY GENERATOR	
		FUNCTION GENERATOR	
		HARTLEY OSCILLATOR	CONSTRUCT & CALCULATE THE FREQUENCY OF
		COLPITT'S OSCILLATOR	HARTLEY OSCILLATOR
		WEIN -BRIDGE OSCILLATOR	COLPITT'S OSCILLATOR
		DIODE AND ZENER DIODE	WEIN -BRIDGE OSCILLATOR
		OSCILLOSCOPE	
7	PLC LAB	PLC TRAINER	EXPT ON PLC DENSITY BASED TRAFFIC LIGHT CONTROL.
8	MAT LAB	MATLAB SOFTWARE	EXPT USING MATLAB IE. WRITE A SCRIPT FOR DIFFERENT ARITHMATIC OPERATION