

ELECTRONICS ENGINEERING LAB EQUIPMENTS

[1] ELECTRONICS MEASUREMENT & INSTRUMENTATION LAB

SL. NO.	NAME OF ITEM	REMARKS
01	Galvanometer	
02	DC Voltmeter 0-1V, 0-10V, 0-25V, 0-50V, 0-100V	
03	AC Voltmeter, 0-750V	
04	DC Ammeter 0-10mA, 0-30mA, 0-50mA, 0-250mA, 0-500mA	
05	Digital LCR meter trainer/universal bridge	
06	AC Ammeter 0-50mA, 0-100mA	
07	C.R.O. - 25MHz Dual trace	
08	Wattmeter - 500W, 1000W, 1500W	
09	Decade Capacitance, inductance, Resistance Box	
10	Function Generator	

[2] ELECTRONICS CONSTRUCTION & REPAIR LAB

SL. NO.	NAME OF ITEM	REMARKS
01	C.R.O. - (0-25 MHz) dual trace	
02	VTVM	
03	Frequency Meter	
04	Calculators	
05	Soldering Iron - 60Watt. 80 Watt.	
06	Soldering Iron - Stand	
07	Cutter	
08	Stripper	
09	Plier	
10	Soldering Wire	
11	Analog AC/DC multimeter	
12	General printed circuit board	

[3] ELECTRONICS CIRCUIT LAB

SL. NO.	NAME OF ITEM	REMARKS
01	Study panel of transistor for measuring h-parameter	
02	Study panel of CE - amplifier for measuring frequency	
03	Study panel of direct coupled amplifier for measuring frequency response	
04	Study panel of RC-coupled amplifier for measuring frequency response.	
05	Study panel of transformer - coupled amplifier	
06	Study Kit of cascaded amplifier for calculating of gain, input impedance and O/p impedance	
07	Study panel of push-pull amplifier	
08	Study panel of class-C amplifier	
09	Study panel of wein bridge and RC Phase shift oscillator	
10	Study kit of OP-amp for verification of basic operation	
11	Kit of OP-amp as adder and subtractor	
12	Study kit of OP-amp as a integrator and differentiator	

[4] DIGITAL ELECTRONICS LAB

SL. NO.	NAME OF ITEM	REMARKS
01	Digital Trainer kit for verification of Basic gates	
02	Digital kit of half adder and full adder circuit	
03	Study panel of half subtractor and full subtractor circuit	
04	Study panel for verification of R-S, J-K, D and T type flip-flop	
05	555 IC kit	
06	Ripple & BCD counter kit	
07	Study panel for verification of sequence generator	

[5] POWER ELECTRONICS LAB

SL. NO.	NAME OF ITEM	REMARKS
01	Regulated DC power supply 0-30V, 5 Amp	
02	Soldering Iron	
03	Desoldering Iron	
04	Tag Board	
05	Series Regulated Power Supply (0-30, 5 Amp)	
06	Shunt Regulated Power Supply	
07	Study Panel of SCR for verification of characteristics	
08	Control Rectifier Kit	
09	Study panel for series Inverter Kit	
10	Study panel for Parallel Inverter kit	
11	Study panel of Induction motor	
12	Study panel of speed control of demotor	
13	Study panel of OP AMP for input/output characteristics	
14	Study panel of amplifier ckt. operation using 723 and 309 IC	

[6] RADIO & T.V. ENGG. LAB

SL. NO.	NAME OF ITEM	REMARKS
01	Black & White TV Trainer 14"	
02	Remote Controlled TV Trainer	
03	VCR Trainer	
04	CCTV Trainer	
05	Study Panel for Horizontal Oscillator Section	
06	Study Panel for Vertical Oscillator Section	
07	Video I.F. Section Trainer	
08	Sound I.F. Section Trainer	
09	Study Kit for Serving of VHF and UHF tuner Circuit	
10	Different Type of Lab Antenna	
11	Switch Mode Power Supply (SNPS)	

[7] **DIGITAL ELECTRONICS AND MICROPROCESSOR LAB**

SL. NO.	NAME OF ITEM	REMARKS
01	Study panel for Mono Stable Multivibrator Ckt.	
02	Study kit for Astable Multivibrator ckt.	
03	Study kit for Bistable Multivibrator Ckt.	
04	Study kit of Schonilt trigger ckt., comparator ckt, Integrator ckt., blocking oscillator ckt.	
05	Study kit for shift registers and counters	
06	Study kit for EPROM eraser	
07	Study panel for Multiplexers ICs	
08	Study panel for A/D counter	
09	Study kit for R-2R ladder network	
10	Study panel for sample and hold ckt.	
11	Study panel for Delta Modulation Ckt.	
12	Study panel for seven segments display ckt.	
13	Bread Board	
14	DC Regulated Power Supply	
15	Digital Multimeter	

[8] **CADD LAB**

SL. NO.	NAME OF ITEM	REMARKS
01	PCB design software (A) SPICE (B) PSPICE (C) MET LAB	
02	VHDL	
03	CADENCE Design & verification module	
04	Virtual laboratory software (A) LINEAR Ckt. i) Basic op-Amp ckts. ii) Basic Filters (B) DIGITAL ELECTRONICS:- i) Basic Logic Gates ii) Advanced Logic Gates iii) Counters iv) Binary Arithmetic	