

Faculty of Engineering & Technology

List of Equipments

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
1	Basic Electronics	CRO	Metro Q	ECE
		characteristics of a p-n junction diode	Creative Lab	ECE
		characteristics of zener diode and use it as a voltage regulator.	Creative Lab	ECE
		characteristics of zener diode	Creative Lab	ECE
		zener diode as a voltage regulator	Creative Lab	ECE
		characteristics of common base configuration of an p-n-p transistor.	Creative Lab	ECE
		characteristics of common emitter configuration of an NPN transistor.	Creative Lab	ECE
		PNP/NPN transistor	Creative Lab	ECE
		characteristics of common drain configuration of a MOSFET.	Creative Lab	ECE
		characteristics curve UJT.	Creative Lab	ECE
		voltage gain of single stage voltage series feedback amplifier.	Creative Lab	ECE
		operational amplifier as Inverting amplifier Non-inverting amplifier comparator	Creative Lab	ECE
		operational amplifier as a. Integrator b. differentiator	Creative Lab	ECE
		operational amplifier as a. Adder b. Precision amplifier	Creative Lab	ECE
		operational amplifier as inverter/ non inverter adder/ subtractor	Creative Lab	ECE
2	Digital	Digital Lab trainer	Scientech	ECE
		UJT	Scientech	ECE
		Logic gate Module	Scientech	ECE
		Logic gate	Creative Lab	ECE
		Universal Gate	Scientech	ECE
		DMux/Mux Module	Scientech	ECE
		Flip flop Module	Scientech	ECE
		Shift register	Scientech	ECE
		Mod N Counter	Scientech	ECE
		Add/ Sub module	Scientech	ECE
		D/A Converter	Scientech	ECE
		Multivibrator monostable	Scientech	ECE
		Clipper and clamper	Scientech	ECE

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Power Supply	Scientech	ECE
		Function Generator		ECE
		CRO 20 MHz	Caddo	ECE
3	Analog	Analog lab Trainer	Scientech	ECE
		RC Coupled Amp	Scientech	ECE
		CE trans Amp	Scientech	ECE
		Class c Amp module	Scientech	ECE
		Feedback Amp Module	Scientech	ECE
		RC Phase Shift Amp	Scientech	ECE
		Hartley Oscillator	Scientech	ECE
		Colpitt oscillator	Scientech	ECE
		Power Supply	Scientech	ECE
		Function Generator	Caddo	ECE
		Digital Multimeter	Caddo	ECE
		Phase Shift Oscillator	Scientech	ECE
		diode clipper	Scientech	ECE
		class B amplifier	Scientech	ECE
		CRO 30 MHz	Scientech	ECE
		RC Coupler Amp with feedback	Scientech	ECE
		diode clamper	Scientech	ECE
		RC-coupled double stage amplifier	Creative Lab	ECE
		RC-coupled single stage amplifier	Creative Lab	ECE
4	Measurement & Instrumentation	LVDT Kit.	Creative Lab	ECE
		LDR kit.	Creative Lab	ECE
		R.T.D Kit.	Creative Lab	ECE
		Strain Gauge Kit. *	Creative Lab	ECE
		Piezo-Electric Pick up.	Creative Lab	ECE
		Capacitive Pick up.	Creative Lab	ECE
		Inductive Pick up.	Creative Lab	ECE
		speed of DC Motor using Magnetic Pick up.	Creative Lab	ECE
		speed of DC Motor using Photo Electric Pick up.	Creative Lab	ECE
		Thermocouple	Creative Lab	ECE
		Power Supply	Creative Lab	ECE
		CRO	Metro Q	ECE
5	Communication Systems	amplitude modulation using a transistor	galaxy	ECE
		frequency modulation using voltage controlled oscillator,	Creative Lab	ECE
		DSB-SC signal using balanced modulator, single side band signal.	Creative Lab	ECE
		Study of super heterodyne AM receiver	galaxy	ECE
		PCM and sampling theorem.	galaxy	ECE
		radio reciever	Creative Lab	ECE
		Function generator	Creative Lab	ECE

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		LCR Q meter	Creative Lab	ECE
		Design of an AM modulator using diode/ BJT/ FET.	Scientech	ECE
		Design of an FM modulator using diode/ BJT/ FET.	Scientech	ECE
		AM Modulator/Demodulator	Creative Lab	ECE
		FM Modulator/Demodulator	Creative Lab	ECE
		Phase modulation/Pulse modulation	Creative Lab	ECE
6	Industrial Electronics	characteristic of an SCR.	Creative Lab	ECE
		Characteristics of DIAC.	Creative Lab	ECE
		Characteristics of TRIAC	Creative Lab	ECE
		speed of DC motor with the help of SCR.	Creative Lab	ECE
		full wave rectifier using SCR for various firing angles.	Creative Lab	ECE
		thyristor	Creative Lab	ECE
		SCR firing angle relation using a phase shift circuit and a picking transformer	Creative Lab	ECE
		relaxation oscillator for values of C.	Creative Lab	ECE
7	Electronic Logic Circuit Design	electronic circuit simulation tool kit	Creative Lab	ECE
		full wave rectifier.	Creative Lab	ECE
		full wave bridge rectifier.	Creative Lab	ECE
		voltage regulator using zener diode.	Creative Lab	ECE
		common emitter single stage amplifier.	Creative Lab	ECE
		ring counter and twisted ring counter.	Creative Lab	ECE
		mod -8 up and down counter.	Creative Lab	ECE
		square wave generator using IC555 timer.	Creative Lab	ECE
		biased diode clipper.	Creative Lab	ECE
		operation verification of OR, AND, NAND, NOT, NOR & X-OR gates	Creative Lab	ECE
8	Microprocessor & Interfacing Device	8085 microprocessor kit	Creative Lab	ECE
		Interfacing on 8255 like LED display control	Creative Lab	ECE
		Interfacing of LCD with microprocessor	Creative Lab	ECE
		Interfacing of microprocessor with stepper motor	Creative Lab	ECE
		temp. control using 8085 & 8255 PPI	Creative Lab	ECE
		water level control using 8085 DAC card	Creative Lab	ECE
9	Linear Integrated Circuit	inverting and noninverting configuration of the Op-Amp 741.	Creative Lab	ECE
		To verify the function of op-amp as a summer and as a difference amplifier.	Creative Lab	ECE
		To perform the mathematical operation of integration using basic and practical Circuits of op-amp s.	Creative Lab	ECE
		To perform the mathematical operation of differentiation using basic and practical Circuits of op-amp s.	Creative Lab	ECE

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		half/full wave rectifier using op-amp s.	Creative Lab	ECE
		To design a second order butter worth low pass filter for cut of frequency of 2 KHz And determining its frequency response.	Creative Lab	ECE
		To study the frequency response of a high pass filter (second order).	Creative Lab	ECE
		To study fourth order low pass filter and high pass filter.	Creative Lab	ECE
		To plot the frequency response of the band pass filter for a specified frequency range.	Creative Lab	ECE
		To design a square wave and triangular wave generator using Op-amp s.	Creative Lab	ECE
		To design wein bridge oscillator using Op-Amp for oscillating frequency 1 KHz	Creative Lab	ECE
		Function Generator	Creative Lab	ECE
		CRO	Creative Lab	ECE
10	Advanced Microprocessor	Microprocessor 8086	Creative Lab	ECE
		8259- Interrupt controller	Creative Lab	ECE
		8279- Keyboard/Display	Creative Lab	ECE
		8251- USART	Creative Lab	ECE
		Stepper Motor	Creative Lab	ECE
		Traffic Light Control	Creative Lab	ECE
		Numeric Printer interface	Creative Lab	ECE
		A/D & D/A	Creative Lab	ECE
		DMA Interface	Creative Lab	ECE
		Microcontroller 8051	Creative Lab	ECE
		26 Pin FRC cable	Creative Lab	ECE
		50 pin fre cable	Creative Lab	ECE
11	Digital Communication	FSK Modulation & Demodulation	Creative Lab	ECE
		Delta Modulation & Demodulation	Creative Lab	ECE
12	TV Engineering Lab	Black & White TV receiver (controls & effects)	Creative Lab	ECE
		Control of different stage on PAL color TV receiver	Creative Lab	ECE
		Black & White TV receiver (to study faults)	Creative Lab	ECE
		To study faultson PAL color TV receiver	Creative Lab	ECE
13	Optical Fiber Comm. Lab	Optical Fiber Trainer kit	Creative Lab	ECE
14	Embedded System Lab	A/D Converter	Creative Lab	ECE
		D/A Converter	Creative Lab	ECE
		7-Segment Display	Creative Lab	ECE
15	Measurement & Measuring Instrumentation	DSO	Metro Q	ECE
		Frequency generator	Metro Q	ECE
		RLC bridge	Metro Q	ECE
		distortion factor meter	Metro Q	ECE

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		logic pulser and logic probe	Creative Lab	ECE
		universal counter/ frequency counter	Metro Q	ECE
16	ELECTRONIC DEVICES & DIGITAL DESIGN LAB	RC coupled C-E amplifier and measure its voltage gain.	Creative Lab	ECE
		Design of a Wein bridge oscillator using BJT/FET/IC.	Creative Lab	ECE
		Design an astable multivibrator using UJT.	Creative Lab	ECE
		Design of a phase shift oscillator using BJT/ FET/ IC.	Creative Lab	ECE
		Design of a first and second order filters as low pass blocks using IC741	Creative Lab	ECE
		Design of a first and second order filters as high pass blocks using IC741.	Creative Lab	ECE
		Design of first and second order filters as band pass blocks using IC741.	Creative Lab	ECE
		Design of first and second order filters as band elimination blocks using IC741.	Creative Lab	ECE
		D/A converter	Creative Lab	ECE
		Design a half adder and Full Adder using IC	Creative Lab	ECE
		a 4-bit counter	Creative Lab	ECE
		Design a 8:1 multiplexer using common gates.	Creative Lab	ECE
		Function Generator		ECE
		CRO 30 MHz	Scientech	ECE
17	Electronic Devices and circuit design	two stage RC coupled amplifier	Creative Lab	ECE
		single stage RC coupled amplifier	Creative Lab	ECE
		push pull amplifier	Creative Lab	ECE
		hartley and colpitts oscillator	Creative Lab	ECE
		wein bridge oscillator	Creative Lab	ECE
		IC-555 as monostable multivibrator	Creative Lab	ECE
		series and shunt clipping circuits	Creative Lab	ECE
		IC741(op amp) as adder/subtractor integrator/ differentiator	Creative Lab	ECE
18	Structural Analysis lab	Clarks Maxwell Theoram Apparatus	Creative Labs	Civil
		Flexural Rigidity	Creative Labs	Civil
		3 hinged Arch	Creative Labs	Civil
		2 hinged Arch	Creative Labs	Civil
19	Transportation Engineering Lab	Abrasion test on Ayuregates	Creative Labs	Civil
		CBR lab rest on Soil	Creative Labs	Civil
		Determination of bitumen content	Creative Labs	Civil
		Flankiness and elongation index of aggregates	Creative Labs	Civil
		Instrument for viscosity test of bitumen	Creative Labs	Civil
		Marshell's stability test	Creative Labs	Civil
		Specific gravity and water absorption	Creative Labs	Civil
		Trays	Creative Labs	Civil

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Specific gravity of bitumen	Creative Labs	Civil
		Proportioning of aggregates	Creative Labs	Civil
20	Concrete Technology lab	Blerne's air permeability method	Creative Labs	Civil
		Compressive strength of Cement	Creative Labs	Civil
		Compressive strength of Cement by:	Creative Labs	
		i) Cube test	Creative Labs	Civil
		ii) Cylinder Test	Creative Labs	Civil
		Compaction factor test	Creative Labs	Civil
		Concrete cube Mould	Creative Labs	Civil
		Cement testing cube with base plate	Creative Labs	Civil
		Container tray	Creative Labs	Civil
		Indirect tensile strength of concrete	Creative Labs	Civil
		modulus of ruputure of concrete by flexure test	Creative Labs	Civil
		Measuremet of specific gravity of cement(Piyrometer)	Creative Labs	Civil
		sand Replacement	Creative Labs	Civil
		Setting time of cement(Intial and final)	Creative Labs	Civil
		Sieve set(fineness of cemet by sieve analysis)	Creative Labs	Civil
		Sieve Shaker	Creative Labs	Civil
		Stop Watch Digital Type	Creative Labs	Civil
		Sieve set(fineness of cemet by sieve analysis)	Creative Labs	Civil
		Sieve Shaker	Creative Labs	Civil
		Specific Gravity test apparatus	Creative Labs	Civil
		Trays	Creative Labs	Civil
		Consistency of cement Vicat's apparatus	Creative Labs	Civil
		Vicat's apparatus	Creative Labs	Civil
		Workability of cement by slump test	Creative Labs	Civil
		Weighing Machine(Digital)	Creative Labs	Civil
		Fineness modulus of coarse and fine aggregate	Creative Labs	Civil
21	Soil and Foundation Engg. Lab	Core Cutter Method	Creative Labs	Civil
		Determation of specific gravity of soil solids	Creative Labs	Civil
		Direct shear test	Creative Labs	Civil
		Desicator	Creative Labs	Civil
		Coefficient of permeability	Creative Labs	Civil
		Grain size analysis	Creative Labs	Civil
		glass rod	Creative Labs	Civil
		Liquid limit	Creative Labs	Civil
		Mixing tray	Creative Labs	Civil
		Measuring cylinder	Creative Labs	Civil
		Metal Container to collect soil	Creative Labs	Civil

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Plastic limit	Creative Labs	Civil
		Proctor compaction	Creative Labs	Civil
		Pychometer	Creative Labs	Civil
		Pallet knife	Creative Labs	Civil
		Proctor Compaction	Creative Labs	Civil
		Rapid moisture meter	Creative Labs	Civil
		Sand Replacement	Creative Labs	Civil
		Shrinkage Limit	Creative Labs	Civil
		sand Pouring Cyclinder	Creative Labs	Civil
		Steel Hammer	Creative Labs	Civil
		Steel Dolly	Creative Labs	Civil
		Stright Edge Steel rule	Creative Labs	Civil
		Unconfined Compressive Strength	Creative Labs	Civil
		Test Sieves	Creative Labs	Civil
		Tongs	Creative Labs	Civil
		Visual soil classification & water content determation	Creative Labs	Civil
		wash Bottles	Creative Labs	Civil
22	Survey LAB			
		Cross Staff	Creative Labs	Civil
		cylon tracer	Creative Labs	Civil
		Optical square	Creative Labs	Civil
		Theodalite complete set	Creative Labs	Civil
		Transit vernier theodalite * 2	Creative Labs	Civil
		Tacheometer	Creative Labs	Civil
		Tilting level	Creative Labs	Civil
		Tangent clinometer	Creative Labs	Civil
		Drawing Board	Creative Labs	Civil
		Plane table set	Creative Labs	Civil
		Dumpy level	Creative Labs	Civil
		Digital theodalite	Creative Labs	Civil
		Dumpy level with stand * 2	Creative Labs	Civil
		Abhev level	Creative Labs	Civil
		Arrows	Creative Labs	Civil
		Auto level	Creative Labs	Civil
		Measuring chain	Creative Labs	Civil
		Meter gunter chain	Creative Labs	Civil
		Metric chain 20 m * 2	Creative Labs	Civil
		Metric chain 30 m	Creative Labs	Civil
		Metallic tape	Creative Labs	Civil
		Level machine	Creative Labs	Civil
		Levelling staff	Creative Labs	Civil
		Prismatic compass	Creative Labs	Civil

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Surveyor's compass	Creative Labs	Civil
		Sprit level	Creative Labs	Civil
		Ranging rod	Creative Labs	Civil
		Metallic tape	Creative Labs	Civil
		Invor tape	Creative Labs	Civil
		Plinko meter	Creative Labs	Civil
		Line ranger	Creative Labs	Civil
		Five ranger	Creative Labs	Civil
23	Basic Electrical Engineering Lab	KVL & KCL Kit	Creative Lab	Electrical Engg.
		Types of meter Panel	Creative Lab	Electrical Engg.
		Types of Transformers	Creative Lab	Electrical Engg.
		Thevenin theorem Kit	Creative Lab	Electrical Engg.
		Norton Theorem Kit	Creative Lab	Electrical Engg.
		Thevenin theorem Kit	Anand Electronics	Electrical Engg.
		Norton Theorem Kit	Anand Electronics	Electrical Engg.
		G to A and G to V Converter	Creative Lab	Electrical Engg.
		Multimeters (3)	Creative Lab	Electrical Engg.
		Single phase Transformer load test panel	Creative Lab	Electrical Engg.
		DC shunt generator load test Panel	Creative Lab	Electrical Engg.
		Single phase Transformer open circuit and short circuit panel	Creative Lab	Electrical Engg.
		a) Measurement of power by 3 voltmeter/3ammeter methods	Creative Lab	Electrical Engg.
		b) 3 phase/2watt meter		
		Single phase R-L & R-C series Panel	Creative Lab	Electrical Engg.
		Single phase R.L.C. circuit Panel	Creative Lab	Electrical Engg.
		R.L.C.Parallel Panel	Creative Lab	Electrical Engg.
		To test a Lead Acid battery	Creative Lab	Electrical Engg.
24	Electric Work Shop	Hand cramping tool 10mm	Creative Lab	Electrical Engg.
		Analog Multimeter (2)	Creative Lab	Electrical Engg.
		Digital Multimeter (2)	Creative Lab	Electrical Engg.
		Meggar 500V Digital/Analog (2)	Creative Lab	Electrical Engg.
		Energy meter single phase,220 V,10 Amp , 50Hz.	Creative Lab	Electrical Engg.
		Energy meter Three phase,440 V,10 Amp , 50Hz.	Creative Lab	Electrical Engg.
		Phase Sequence Indicator	Creative Lab	Electrical Engg.
		Techometer Contact type.0---10000 rpm	Creative Lab	Electrical Engg.
		D.O.L. Starter	Creative Lab	Electrical Engg.
		Manual Operated Star-Delta Starter (For 3-5 HP)	Creative Lab	Electrical Engg.
		Automatic Star-Delta Starter (For 3-5 HP)	Creative Lab	Electrical Engg.
		Earth Tester Kit. (Digital)	Creative Lab	Electrical Engg.
		Contractor 10A,230V (3N/O,2N/C)	Creative Lab	Electrical Engg.
		Contractor 10A,415V (4N/O,3N/C)	Creative Lab	Electrical Engg.
		MCB-6A (6)	Creative Lab	Electrical Engg.

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		MCB-16A (3)	Creative Lab	Electrical Engg.
		ELCB-40A	Creative Lab	Electrical Engg.
		Bench Drilling Machine 3/4", Adjustable Platform	Creative Lab	Electrical Engg.
		Portable Drilling Machine with Stand 1/2"	Creative Lab	Electrical Engg.
		Auto Transformer 0-270V,12A	Creative Lab	Electrical Engg.
		Pully Puller	Creative Lab	Electrical Engg.
		Bearing Puller	Creative Lab	Electrical Engg.
		Elan-Key Set	Creative Lab	Electrical Engg.
		Small Hacksaw Frame 6" (2)	Creative Lab	Electrical Engg.
		Hacksaw Frame 14" (2)	Creative Lab	Electrical Engg.
		Soldering Iron 35W (2)	Creative Lab	Electrical Engg.
		Soldering Iron 65W (3)	Creative Lab	Electrical Engg.
		Soldering Iron 125W (2)	Creative Lab	Electrical Engg.
		Centre Punch (2)	Creative Lab	Electrical Engg.
		Blow Lamp (2)	Creative Lab	Electrical Engg.
		Twizer (4)	Creative Lab	Electrical Engg.
		Wire Striper (2)	Creative Lab	Electrical Engg.
		Screw Driver Set- 10" (2)	Creative Lab	Electrical Engg.
		Screw Driver Set- 12" (2)	Creative Lab	Electrical Engg.
		Combination Plier 8" (6)	Creative Lab	Electrical Engg.
		Nose Plier 6" (4)	Creative Lab	Electrical Engg.
		Nut Driver Set 6" and 8" (3)	Creative Lab	Electrical Engg.
		Line Tester 500V (4)	Creative Lab	Electrical Engg.
		Cable Cutter	Creative Lab	Electrical Engg.
		Wooden Saw 12" ----- (3)	Creative Lab	Electrical Engg.
		Deep Hole Saw (2)	Creative Lab	Electrical Engg.
		Key Hole Saw (2)	Creative Lab	Electrical Engg.
		Hammer 200 gm. (3)	Creative Lab	Electrical Engg.
		Ball Pin Hammer (3)	Creative Lab	Electrical Engg.
		Wooden Chisel (Mortail) 4,6Soot (3)	Creative Lab	Electrical Engg.
		Wooden Chisel (Firmer) 3/4",1" (2)	Creative Lab	Electrical Engg.
		Raship File Half Round 10" (4)	Creative Lab	Electrical Engg.
		Flate File ,(Smooth) 10" (2)	Creative Lab	Electrical Engg.
		Flate File ,(Rough) 10" (2)	Creative Lab	Electrical Engg.
		Round File,(Rough) 10" (2)	Creative Lab	Electrical Engg.
		Half Round File,(Smooth) 10" (2)	Creative Lab	Electrical Engg.
		Half Round File,(Rough) 10" (2)	Creative Lab	Electrical Engg.
		Square file,(Smooth) 10" (2)	Creative Lab	Electrical Engg.
		Square file,(Rough) 10" (2)	Creative Lab	Electrical Engg.
		Triangular File(Smooth) 8" (2)	Creative Lab	Electrical Engg.
		Triangular File(Rough) 8" (2)	Creative Lab	Electrical Engg.
		Standerd Wire gauge(British)	Creative Lab	Electrical Engg.
		Spanner Set	Creative Lab	Electrical Engg.

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Try Square 6"	Creative Lab	Electrical Engg.
		Bench Vice 3" (3)	Creative Lab	Electrical Engg.
		Bench Vice 5" (3)	Creative Lab	Electrical Engg.
		Screw Driver Set	Creative Lab	Electrical Engg.
25	Electric machine Lab	Single Phase Induction Panel	Creative Lab	Electrical Engg.
		Single Phase Induction motor	Creative Lab	Electrical Engg.
		Three phase slip ring induction panel	Creative Lab	Electrical Engg.
		Three phase slip ring induction Motor	Creative Lab	Electrical Engg.
		Squirrel cage induction Panel	Creative Lab	Electrical Engg.
		Squirrel cage induction motor	Creative Lab	Electrical Engg.
		Alternator characteristics	Creative Lab	Electrical Engg.
		V Curve Synchronous panel	Creative Lab	Electrical Engg.
		Synchronous motor	Creative Lab	Electrical Engg.
		Xd and Xq Synchronous machine slip test	Creative Lab	Electrical Engg.
		Three phase induction panel	Creative Lab	Electrical Engg.
		Three phase induction motor	Creative Lab	Electrical Engg.
		Induction motor panel induction motor	Creative Lab	Electrical Engg.
		Single-phase transformer polarity test	Creative Lab	Electrical Engg.
		Single-phase transformer open and short circuit test	Creative Lab	Electrical Engg.
		Transformer. Sumpner Test	Creative Lab	Electrical Engg.
		Single phase- transformer parallel operation	Creative Lab	Electrical Engg.
		Three phase transformer Scott connection	Creative Lab	Electrical Engg.
		Load test DC shunt generator (panel)	Creative Lab	Electrical Engg.
		DC shunt generator	Creative Lab	Electrical Engg.
		Hopkinsons Test on DC machine	Creative Lab	Electrical Engg.
		DC shunt panel	Creative Lab	Electrical Engg.
		DC shunt motor	Creative Lab	Electrical Engg.
		DC shunt motor panel	Creative Lab	Electrical Engg.
		DC shunt motor	Creative Lab	Electrical Engg.
		DC series motor Characteristics	Creative Lab	Electrical Engg.
		DC series motor load test	Creative Lab	Electrical Engg.
26	Electrical Instrument Lab	To convert D' arsonval galvanometer in to voltmeter (2)	Creative Lab	Electrical Engg.
		To convert D' arsonval galvanometer in to Ammeter (2)	Creative Lab	Electrical Engg.
		De saute's bridge (2)	Creative Lab	Electrical Engg.
		Wien's bridge (2)	Creative Lab	Electrical Engg.
		C.T and P.T. Panel	Creative Lab	Electrical Engg.
		Kelvin's Double Bridge (2)	Creative Lab	Electrical Engg.
27	Applied Physics lab	B.H. Curve Apparatus	NVIS & NV6108	Applied Sciences

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		BJT Amplifier	NVIS & NV6542	Applied Sciences
		Balance		Applied Sciences
		Charging and Discharging of Capacitor		Applied Sciences
		Conversion of Galvanometer into ammeter		Applied Sciences
		Foster Bridge with four gap	ME876	Applied Sciences
		Cantilever		Applied Sciences
		Newton's Ring apparatus	NVIS & NV6104	Applied Sciences
		Sonometer	ME867	Applied Sciences
		Determine dispersive power of the material	ME868	Applied Sciences
		Polarimeter	ME854	Applied Sciences
		Diode Characteristics	NVIS & NV6501	Applied Sciences
		Energy Band gap	NVIS & NV6106	Applied Sciences
		e/m by Thomson method	NVIS & NV6103	Applied Sciences
		e/m by Helical method	ME581	Applied Sciences
		FET Characteristics	NVIS & NV6512	Applied Sciences
		Stop watch		Applied Sciences
		Fresnel Biprism set up	NVIS & NV6028	Applied Sciences
		Gravesands apparatus		Applied Sciences
		Hall Effect	NVIS & NV6101	Applied Sciences
		Hartley and Colpitt oscillator	NVIS & NV6505	Applied Sciences
		Lissajous Figure	NVIS & NV6543	Applied Sciences

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Logic Gates	NVIS & NV6551	Applied Sciences
		Lissajous Pattern	NVIS & NV6543	Applied Sciences
		Magnetic Lab	NVIS & NV6004	Applied Sciences
		Electrical lab	NVIS & NV6000	Applied Sciences
		Malus Law	NVIS & NV6023	Applied Sciences
		Moment of Inertia	NVIS 7 NV6026	Applied Sciences
		Susceptibility of Paramagnetic solution	NVIS & NV6102	Applied Sciences
		Ohm's Law		Applied Sciences
		Planck Constant	NVIS & NV6025	Applied Sciences
		Photocell Characteristics	NVIS & Nv6006D	Applied Sciences
		Photovoltaic cell & Inverse square Law		Applied Sciences
		Diode Characteristics	NVIS & NV6501	Applied Sciences
		Resistance in Series and parallel combination		Applied Sciences
		Resolving Power of Telescope	NVIS & NV6028	Applied Sciences
		Ray Optics	NVIS & NV6045	Applied Sciences
		Resolving Power of telescope	NV & NV6042	Applied Sciences
		Rectifier Trainer	NVIS & NV6503	Applied Sciences
		SCR Characteristics	NVIS & NV6530	Applied Sciences
		Stable and monostable multivibrator Trainer	Nvis & NV6507	Applied Sciences
		Moment of Inertia of flywheel		Applied Sciences
		Spectrometer Setup	NVIS & NV656	Applied Sciences

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Searle's apparatus		Applied Sciences
		Young's Modulus	NVIS & NV6040	Applied Sciences
		Transistor Characteristics	NVIS & NV6502	Applied Sciences
		Travelling microscope		Applied Sciences
		Refractive index of the Prism By Spectrometer		Applied Sciences
		He-Ne Laser	ME861H	Applied Sciences
		Turning Fork		Applied Sciences
		Thermocouple by mean of Potentometer		Applied Sciences
		Universal Gates	NVIS & NV6552	Applied Sciences
		Van de Graff gaterator	NVIS & NV6020	Applied Sciences
		Zener diode	NVIS & NV6508	Applied Sciences
		Wein Bridge Oscillator	NVIS& NV6506	Applied Sciences
28	Applied Chemistry Lab	Able's Flash Point Apparatus (3)	India Made	Applied Sciences
		Digital Balance (1)	India Made	Applied Sciences
		Muffle Furnace (1)	India Made	Applied Sciences
		Hot Air Oven (1)	Vijay Scientific Works	Applied Sciences
		Redwood Viscometer (3)	India Made	Applied Sciences
		pH-Meter (1)	India Made	Applied Sciences
29	Workshop	File flat	Creative Lab	Mechanical Workshop
		File half round	Creative Lab	Mechanical Workshop
		File smooth	Creative Lab	Mechanical Workshop

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		File full round	Creative Lab	Mechanical Workshop
		Plyer pye	Creative Lab	Mechanical Workshop
		Nose plyer	Creative Lab	Mechanical Workshop
		Hexa frame	Creative Lab	Mechanical Workshop
		Screw driver	Creative Lab	Mechanical Workshop
		Wire cutter	Creative Lab	Mechanical Workshop
		Wire stripper	Creative Lab	Mechanical Workshop
		Bench vice 4"	Creative Lab	Mechanical Workshop
		Inch tape	Creative Lab	Mechanical Workshop
		Try square 8"	Creative Lab	Mechanical Workshop
		Key set(8pc set)	Creative Lab	Mechanical Workshop
		Spanner set	Creative Lab	Mechanical Workshop
		Lathe m/c belt set	Creative Lab	Mechanical Workshop
		Radial drill m/c	Creative Lab	Mechanical Workshop
		Pedestal grinder	Creative Lab	Mechanical Workshop
		Wood working lathe	Creative Lab	Mechanical Workshop
		Universal milling m/c	Creative Lab	Mechanical Workshop
		Lever hexa	Creative Lab	Mechanical Workshop
		Type drill m/c	Creative Lab	Mechanical Workshop
		Power hexa blade	Creative Lab	Mechanical Workshop
		Pillar type drill m/c	Creative Lab	Mechanical Workshop

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Drill chuck	Creative Lab	Mechanical Workshop
		Wheel green	Creative Lab	Mechanical Workshop
		Wheel black	Creative Lab	Mechanical Workshop
		L-Key set	Creative Lab	Mechanical Workshop
		Toll kit	Creative Lab	Mechanical Workshop
		Vernier calliper	Creative Lab	Mechanical Workshop
		Scale	Creative Lab	Mechanical Workshop
30	SOM lab	Brinell Hardness Machine	Creative Lab	Mechanical Engg. Deptt.
		Brinell Hardness Machine	Creative Lab	Mechanical Engg. Deptt.
		Rockwell Hardness Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Rockwell Tester	Creative Lab	Mechanical Engg. Deptt.
		Vickers Hardness Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Erichsen Sheet Metal Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Impact Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Impact Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Universal Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Universal Testing Machine(Digital)	Creative Lab	Mechanical Engg. Deptt.
		Torsion Testing Machine	Creative Lab	Mechanical Engg. Deptt.
		Torsion Testing Machine	Creative Lab	Mechanical Engg. Deptt.
31	DOM lab	Static and Dynamics Balancing Apparatus	Creative Lab	Mechanical Engg. Deptt.
		Motorized Gyroscope	Creative Lab	Mechanical Engg. Deptt.

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Universal Governor Apparatus	Creative Lab	Mechanical Engg. Deptt.
		CAM Analysis Apparatus	Creative Lab	Mechanical Engg. Deptt.
		Whirling of shaft Demonstrator	Creative Lab	Mechanical Engg. Deptt.
		Journal Bearing Apparatus	Creative Lab	Mechanical Engg. Deptt.
		Epicyclic gear Train Apparatus	Creative Lab	Mechanical Engg. Deptt.
32	Heat Power Engg. Lab	Water Cooling Tower Apparatus	Creative Lab	Mechanical Engg. Deptt.
		Thermal Conductivity of Powder	Creative Lab	Mechanical Engineering
		Heat Transfer IN-Natural Convection	do	Mechanical Engineering
		Emissivity Measuring Apparatus	do	Mechanical Engineering
		Pin-fin Forced Convection	do	Mechanical Engineering
		Thermal Conductivity of Hot Plate method	do	Mechanical Engineering
		Thermal Conductivity of Metal rod	do	Mechanical Engineering
		Parallel and Counter flow Heat Exchanger	do	Mechanical Engineering
		Separating and Throttling Calorimeter	do	Mechanical Engineering
		Stefan's and Boltzman Apparatus	do	Mechanical Engineering
33	KOM Lab	Helical Gear	Creative Lab	Mech Deptt.
		Compound Gear Train	do	Mech Deptt.
		Sample Gear	do	Mech Deptt.
		Receiver Gear	do	Mech Deptt.
		Compound Gear	do	Mech Deptt.
		Bevel Gear(MS)	do	Mech Deptt.
		Bevel Gear(Bronze)	do	Mech Deptt.
		Single Slide Mechanism	do	Mech Deptt.
		Pair Chain	do	Mech Deptt.
		Combination of Kinematic pair	do	Mech Deptt.
		Screw Jack	do	Mech Deptt.
Various types of Gear Train, Simple, reverted, compound and epicyclic	do	Mech Deptt.		

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
34	Ref. and Air Cond. Lab	Ice Plant Test Rig	Creative Lab	Mechanical Engineering
		AC Test Rig	do	Mechanical Engineering
		Water Cooler Test Rig	do	Mechanical Engineering
		Refrigeration Test Rig	do	Mechanical Engineering
		Pressure Gauge Tester	do	Mechanical Engineering
		Compnent of Refrigeration Cycle	do	Mechanical Engineering
35	Basic Mechanical engg. Lab	Babcock-Wilcox Boiler Model	Creative Lab	Mechanical Engineering
		Lancashire Boiler Model	do	Mechanical Engineering
		Pressure Gauge	do	Mechanical Engineering
		Locomotive Boiler	do	Mechanical Engineering
		Vertical Water Tube Boiler	do	Mechanical Engineering
		Benson Boiler Model	do	Mechanical Engineering
		Cochran Boiler	do	Mechanical Engineering
		Single Stage air Compressor	do	Mechanical Engineering
		2-S petrol Engine	do	Mechanical Engineering
		2-S Diesel Engine	do	Mechanical Engineering
		4-S petrol Engine	do	Mechanical Engineering
		4-S Diesel Engine	do	Mechanical Engineering
		Screw Jack	do	Mechanical Engineering
		Winch Crab Apparatus	do	Mechanical Engineering
Double Slide Winch Crab	do	Mechanical Engineering		

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Worm & Worm wheel (Single)	do	Mechanical Engineering
		Worm & Worm wheel (Double)	do	Mechanical Engineering
		Worm & Worm wheel (Triple)	do	Mechanical Engineering
36	Fluid Machines Lab	Pelton Turbine	Creative Lab	Mechanical
		Frances Turbine	Creative Lab	Mechanical
		Kaplan Turbine	Creative Lab	Mechanical
		Certifugal Pump	Creative Lab	Mechanical
		Preciprocating Pump	Creative Lab	Mechanical
		Air Compression	Creative Lab	Mechanical
		Hydraulic Ram	Creative Lab	Mechanical
37	I.C. Engines Lab	2 Stroke Petrol Engine	Creative Lab	Mechanical
		4 Stroke Diesel Engine	Creative Lab	Mechanical
		Indicated Power	Creative Lab	Mechanical
		Frictional Power of Multicylinder	Creative Lab	Mechanical
		4 Stroke Petrol Engine	Creative Lab	Mechanical
		4 Stoke Diesel Engine	Creative Lab	Mechanical
38	Fluid Machanics Lab	Venturimeter	Creative Lab	Mechanical
		Bernolis Theorm	Creative Lab	Mechanical
		Loss due to friction in pipe	Creative Lab	Mechanical
		Notch tank apparatus	Creative Lab	Mechanical
		Reynolds apparatus	Creative Lab	Mechanical
		Jet apparatus	Creative Lab	Mechanical
		Metacentric Hieght	Creative Lab	Mechanical
		Losses in pipe line	Creative Lab	Mechanical
		Force vertex	Creative Lab	Mechanical
		Pivot Tube	Creative Lab	Mechanical
39	Automobile Engg. Lab	Battery Ignition System	Creative Lab	Mechanical Engineering
		Carburetor	do	Mechanical Engineering
		Ac Pump	do	Mechanical Engineering
		Su Pump	do	Mechanical Engineering
		Fuel Injection Pump	do	Mechanical Engineering
		Master Cylinder	do	Mechanical Engineering
40	Material Science Lab.	Study Crystal Structure	Creative Lab	Mechanical Engineering

S. No	Name of the Lab	Name of the Item	Description (Make & Model)	Location (Deptt.)
		Study Crystal Imperfections	do	Mechanical Engineering
		Microstructures of Metals/Alloys	do	Mechanical Engineering
		Microstructures of Heat Treated Steel	do	Mechanical Engineering
		Microstructures of Metal/Alloys	do	Mechanical Engineering
		Microstructures of Heat Treated Furnace	do	Mechanical Engineering
		Solidification Curve	do	Mechanical Engineering
		Heat Treatment Process	do	Mechanical Engineering
		Thermosetting Of Plastic	do	Mechanical Engineering
		Heat Treatment Furnace	do	Mechanical Engineering
		Polishing Machine Single Disk	do	Mechanical Engineering
		Different Types Of Metal/Alloys	do	Mechanical Engineering