Sr. No.	Name Of Laboratory	Main Equipments
1	SOM Lab.	Hardness testing Machine (Brinell & Rockwell)
		Bending test Machine
		Torsion Testing Machine
		Impact Testing Machine (Izod & charpy test)
		Stiffness Testing Machine
2	Thermodynamics & Heat Transfer Lab.	Emissivity Measurement apparatus
		Heat Transfer from a Pin-fin kit
		Feed check valve model
		Steam injector model
		Pressure gauge model
		Blow off cock model
		Fusible plug model
		Anti priming pipe model
3	BEEE Lab.	Battery Test set up to test a battery
		Ohm's Law apparatus
		Resistance in Series & Parallel
		PN Junction diode characteristics
4	RAC Lab.	Refrigerant Leakage detector
		Vapour compression system Test rig
		Digit control for vapour compression
		Refrigeration Test Rig
		Digital control panel for Ref. Test
		Cold storage Test Rig
		Digital control panel for cold storage test
		Refrigeration Tool Kit
		CSM Reciprocating ref. compressor
		CSM Rotary ref. compressor
		Dell optiplex 380 computer system
5	CAD Lab.	Computers system
		On line UPS 6KVA Along with Batteries (14)
		LCD Projector
		Visualizer
		Inter active display board
6	Hydraulic Lab.	Hydraulic Jack
		Reciprocating Pump Test Rig
		Centrifugal Pump Test Rig
		Vernier Bevel Bernoulli’s Apparatus
		Venturimeter
		Orifice Meter
		Pipe Friction Apparatus
		Hydraulic Bench Apparatus
		Mercury for mano meters
		Inclined Mano Meters
		Wooden fabricated office table 6x3'
		Cut section model of single stage centrifugal pump
		Cut section model of single stage reciprocating pump
		Working model of pelton wheel turbine
		Working model of francis Turbine
7	Applied Mechanics Lab.	Verify Reaction Supports of SSB.
		Verify Force in diff. Member of Jib Crane
		Verify Parallelogram Law of Forces
		Universal Force Table
		Find MA.VR &N Worm & Worm Wheel (Signal Start)
		Find MA.VR &N Worm & Worm Wheel (Double)
		Pulley First System

		M.A. VR & N of Screw Jack
		M.A. VR & N of Inclined Plane
		C.G Of Regular & Irregular Lamina
		Determine coefficient of friction diff Surface on Horizontal Plan
		Pulley Second System
		M.A, V.R.& N (Efficiency) Single Purchase Winch Crab
8	Mechanical Engg. Lab	Different Mech. Engg. Charts
		Static & Dynamic Balancing demonstration
		Working models of Mech. Engg. (acrylic model)
		CAM Analysis apparatus with digital Tachometer
		Universal Governor Apparatus along with digital Tachometer
		Working models 4 bar Mechanism (Acrylic)
		Working models of single slider crake chain
		Working models of double slider crake chain
		Working models of belt drive
		Working models of belt drive 2 stage/speed
		Model of belt drive loose & fast
		Model of simple gear train
		Model of compound gear Train
		Model of Reverse/ Reverted gear train
		Model of Epicyclic gear train
		Fly wheel Apparatus with stic.ect.
9	MM Lab	Metallurgical Microscope with Camera + 21'' T.V. One each
		Test Specimen HCS
		Test Specimen LCS
		Test Specimen MCS
		Digital Furnace for Heat Treatment
		Polishing M/C signal disc type
		Tachometer for RPM Measurement
		Specimen of 24 diff materials including copper brass aluminum cast iron hss gum metal, mild steel
		Metallurgical Microscope (Inclined)
10	Automobile Lab	Battery Ignition System (Model)
		Magneto Ignition System (Model)
		Headlight Model
		Wiper Model
		Indicator Model
		Master Cylinder Model
		Clutch Model (Friction Type)
		4 Stroke 4 Cylinder Petrol Engine (Cut section)
		Hydraulic Brake Model
		Suspension System Model
		Differential System Model
		Steering system Model
		Rear Axle Model
		Cooling System of an automobile kit (cut section)
		Working Model of Lubrication System
		Working Model of Head light, wiper & Indicator
		Rear wheel assemble with tool kit
		Petrol engine (old)
		Hyd. brake Assemble
		Battery , Voltmeter, Multimeter
		Hydrometer for Battery
		Battery charger
		Battery Ignition System
		AC pump of automobile
		SU pump of automobile

		Complete tool kit
11	Inspection And Quality Control Lab	Surface Plate (45cm * 45 cm)
		Micrometer (0-25mm,aerospace make)
		Bevel protector (universal 0-360^0 aerospace make)
		Combination square set (0-180^0 x1300 mm)
		Sine bar (125mm)
		Tool room microscope
		Profile projector
		Filler gauge (0.002''-0.0025)
		Clinometers
		V-block
		Vernier caliper 150mm (0.02mm LC)
		Gear tooth vernier aero space make (80mmx100mm .0.02)
		Gear tooth micrometer (disc micrometer 0-25mmx0.01mm LC)
		Snap end ring gauge
		Depth Gauge
		Radius gauge (15-25mm)
		Dial Indicator
		Dial Indicator
		Combination Set (300mm)
		Bevel protector (300mm)
		Sine Bar (300mm)
		Angle Plate (150*125*112)
		Gear Tooth Vernier
		Digital vernier caliper (150mm)
		Digital Micrometer (0-25)
		Digital Height Gauge (0-300)
		Digital depth gauge (0-150 insize)
		Slip Gauge set
		Surface Plate
		Comparator Stand
12	CNC Lab	CNC trainer lathe
		LCD projector with computer
		Interactive display board

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