

Sr. No.	Name of Laboratory	Major Equipment's
1	Dynamics of machinery	Rion two channel FFT analyzer with accessories, Universal Vibration Tester
2	Metrology & quality control	Gg angle deckor, GG Sodium Monochromatic light unit
3	Turbo machinery	5hp Francis turbine test rig, 5 HP Pelton Wheel Turbine Test Rig
4	Heat transfer	Thermal conductivity of metal rod, Heat transfer in forced convection
5	Thermodynamics	Joule's paddle wheel apparatus, Reciprocating Air Compressor Test Rig
6	Fluid mechanics	Pipe friction apparatus-major losses measurement, Bernoulli's Theorem Apparatus
7	Engineering graphics	Dissected rectangular prism, pyramid, cone & cube
8	Mechatronics	Calibration of flow meter apparatus, Setup for switches and relays
9	Hydraulics and pneumatics	Automation studio version 6.1, Hydraulic Trainer

10	Theory of machines	Belt drive system, 4-speed gear box
11	Applied thermodynamics	Three Cylinder Petrol Engine Test setup, Single Cylinder Diesel engine test set up
12	Engineering metallurgy	Ultrasonic flaw detector, Brinell Cum Vickers Hardness Tester
13	Basic mechanical engineering	Babcock & Wilcox boiler model, Lancashire fire tube boiler model
14	Cad / Cam lab	Solidworks Edu Edition 2023, Ansys software 14.5, Mastercam x9 software
15	Refrigeration & air conditioning	Ice plant test rig, Air Conditioning Test Rig
16	Strength of materials	Computerized universal testing machine with electronic extensometer & small double shear test attachment, Digital Torsion Testing Machine
17	Workshop	CNC Lathe trainer-Model, TIG welding m/c, Universal Milling machine,
18	Skill Development	Engine Assembly, Hydraulic Cylinder Assembly, Tailstock Assembly