

## Project Laboratories

Available lab facilities are used for students project and research work.

S. No	Name of the lab	Facility
1	Workshop	Fitting, carpentry, welding, house wiring, tin smithy.
2	Production technology lab	Arc Welding, Gas Welding, Spot Welding, TIG welding, Fly press, Hydraulic press, Injection Moulding, Blow Moulding, Metal casting.
3	Machine Tools lab	Lathe Machine, Drilling Machine, Milling Machine, Shaper, Planer, cylindrical grinder, surface grinder, Tool and Cutter grinder, slotting Machine.
4	Thermal Engineering Lab	Single cylinder 4 stroke diesel engine, Single cylinder Two stroke Petrol engine, Single cylinder electric loading engine, Morse test, Single stage Air Compressor, Two Stage Air Compressor, 2 stroke petrol Engine Port timing, 4 stroke diesel engine valve timing, assembly and disassembly of IC engine.
5	Heat Transfer Lab	Forced convection, Natural Convection, Pin fin Apparatus, lagged pipe apparatus, Thermal Conductivity Apparatus, transient heat conduction apparatus, Stefan boltzman apparatus, critical heat flux apparatus, film wise and drop wise condensation apparatus, heat pipe apparatus.
6	CAD/CAM Lab	Drafting and modeling software, CAD stations i5, Autocad, ANSYS, MATLAB Software, CNC Machines.
7	Refrigeration and Air Conditioning Lab	Domestic refrigerator setup, Electrolux refrigerator lab setup, Cooling tower setup, Window air conditioning system with all measurements and controls.
8	Dynamics of Machines Lab	Gyroscope, Centrifugal Governor, Simple Pendulum, Compound Pendulum, CAM & follower, Simply supported cantilever beam and Dunkerley apparatus.
9	Project lab	Exclusive project lab is available.

