

Fluid Mechanics Lab

The Fluid Mechanics Lab is equipped with apparatus for studying the behavior of fluids under various conditions. It includes flow measurement devices, Bernoulli's apparatus, and hydraulic benches. Students perform experiments to understand fluid properties, flow dynamics, and pressure distribution. The lab helps students grasp the fundamental principles of fluid mechanics, which are crucial for designing and analyzing fluid systems in engineering applications.

LABORATORY DETAILS

Name of The Laboratory	FLUID MECHANICS LAB
Carpet Area	397.5 m ²
No of machines or Experiment Setups	19
No. of Experiments Conducted	23

SPECIFICATION OF EQUIPMENTS/SETUPS AVAILABLE

Sl. No	Equipment
1	Venturimeter And Orifice Meter (Combined Equipment)
2	Orifice/ Mouthpiece Apparatus
3	Notch Apparatus
4	Impact Of Jet Apparatus
5	Metacentric Height Apparatus
6	Pipe Friction Apparatus
7	Francis Turbine Test Rig
8	Pelton Turbine Test Rig
9	Reciprocating Pump Test Rig
10	Centrifugal Pump Test Rig
11	Gear Pump Test Rig
12	Self-priming Pump Test Rig
13	Orifice Tank Apparatus
14	Venturimeter Test Rig
15	Rectangular Notch Apparatus
16	Open Channel Apparatus
17	Centrifugal Pump Variable Speed test Rig
18	Multistage Multispeed Centrifugal Pump Test Rig
19	Jet Pump Test Rig