

# Department of Mechanical Engineering

## Fluid Mechanics Laboratory

### ❖ Objective :-

- To study the phenomena and effects of flow of fluids by using experimental measurements.
- The specific fields acting Fluid mechanics lab. Are natural flow, discharge rate, and all process including flow and transport phenomena.



### ❖ List of experiments

- To Verification of Bernoulli's Theorem
- To Calibration of venture meter
- To Calibration of orifice meter
- To Study of mouthpiece
- To Determine the Reynolds Number
- To Determination of losses in piping system
- To Verification of Archimedes' Principle
- To Verification of Pascal's Law
- To study of Water Hammer Principle

### ❖ **List of Equipment:**

- Bernoulli's Theorem Apparatus
- Mouthpiece and Orifice meter Apparatus
- Notch Apparatus
- Losses in Pipe Apparatus
- Venture Meter and Orifice Meter Apparatus
- Reynolds's Apparatus
- Water Hammer Equipment
- Velocity Distribution in Pipe Apparatus