

Department Of Civil Engineering

APPLIED HYDRAULICS LABORATORY

Hydraulics engineering is a field within the civil engineering discipline that addresses the control and management of water resources. As a **hydraulics engineer**, you'll plan and manage the flow and storage of water..



List of Experiment:-

- # Impact of jet on flat plate
- # Impact of jet on flat inclined plate
- # Impact of jet on curved plate
- # Performance of Pelton wheel- full gate opening
- # Performance of Pelton wheel- half gate opening
- # Performance of Centrifugal pumps
- # Performance of Kaplan turbine
- # Performance of Francis turbine
- # Hydraulic ram
- # Pumps in series
- # Pumps in parallel
- # Determine Chezy, s roughness factor
- # Determination of gradually varied flow
- # Study of hydraulic jump and its characteristics
- # Calibration of venturiflume
- # Calibration of standing wave flume
- # Determination of mean velocity of flow in open channel
- # Study of wind tunnel
- # Calibration of broad crested weir
- # Calibration of submerged weir

List of Instruments:-

- + Open Channel Flow
- + Impact Jet Apparatus
- + Centrifugal Pump Test Rig- Single Stage with 1HP PMDC Motor.

Instruments Picture:-

