

# FLUID MECHANICS LAB

Name of Lab In charge I/II: Er. Prem Singh/ Er. Jagjit Kaur

Name of Lab Technician : Mr. Rakesh Kumar

Name of Lab Attendant : Mr. Sarbjeet Singh

List of Major Equipment's / Software's:

1. Hydraulic Ram
2. Bernoulli's Apparatus
3. Venturimeter
4. Notches
5. Fraction Through Pipes Apparatus
6. Orifice Plate / Mouthpieces for Hydraulic Coefficients
7. Adjustable Channel

Floor Area: 135m<sup>2</sup>

Courses Undertaken in the Lab:

1. Fluid Mechanics Lab - I (CE - 14307) – 3<sup>rd</sup> Semester.
2. Fluid Mechanics & Fluid Machinery Lab (PE - 14407) – 4<sup>th</sup> Semester.
3. Fluid Mechanics Lab (ME - 14406) – 4<sup>th</sup> Semester.



Figure 1: Pitot Tube Set Up



Figure 2: Bernoulli's Theorem Apparatus



Figure 3: Venturimeter



Figure 4: Friction Through Pipe Set Up



Figure 5: Adjustable Channel



Figure 6: Hydraulic Coefficient of Orifice Plate



Figure 7: Notch