

## FLUID MECHANICS & HYDRAULICS LABORATORY

### Laboratory Information

Lab Name: Fluid Mechanics & Hydraulic Laboratory  
Room No.: 007 - Colleges of Engineering and Technology  
Capacity: 25 students

The focus of fluid mechanics & hydraulics lab is to conduct the Practical training on pumps and compressors systems, where the trainees could improve their experience and technical knowledge concerning various related equipment. The lab current capabilities permit a variety of technical courses for engineers working in the field of fluids and hydraulics industry.

### Major Equipment

- Venture and Orifice meter
- Wind and Smoke tunnel.
- Pipe friction equation
- Flow channel equation open channel
- Fluid circuit demonstrator.
- Pumping station.

### Laboratory Serves the following courses:

Course Code	Course Title	Semester
ME 362	Fluid Mechanics I	6 <sup>th</sup>
ME 461	Fluid Mechanics II	7 <sup>th</sup>
ME 565	Turbomachinery	9 <sup>th</sup>



Figure 1.9 Wind and smoke wind tunnel



Figure 1.10 Fluid circuit demonstrator



Figure 1.11 Flow channel equation open channel



Figure 1.12 Venture and Orifice meter



Figure 1.13 Pumping statio