

II B.Tech II Sem

15AME23-FLUID MECHANICS, HYDRAULICS AND HYDRAULIC MACHINERY LAB

L T P C

0 0 3 2

Objective: The object of the course to make the students understand the fluid flow concepts and get familiarity with flow measuring devices.

1. Calibration of Venturimeter
2. Calibration of Orifice meter
3. Determination of Coefficient of discharge for a small orifice by a constant head method.
4. Determination of Coefficient of discharge for an external mouth piece by variable head method.
5. Calibration of contracted Rectangular Notch and /or Triangular Notch.
6. Determination of Coefficient of loss of head in a sudden contraction and friction factor.
7. Varification of Bernoulli's equation.
8. Impact of jet on vanes.
9. Study of Hydraulic jump.
10. Performance test on Pelton wheel turbine.
11. Performance test on Francis turbine.
12. Efficiency test on centrifugal pump.


Head
Mechanical Engineering Department,
JNTUA College of Engineering,
PULIVENDULA - 516 300,

