

10 CE 301 P FLUID MECHANICS AND HYDRAULICS MACHINERY LAB
II B.Tech I Semester
(with effect from the academic year 2011-2012)

Practice /Week : 3 hrs
University Exam: 3 hrs

Credits: 2
Sessional marks 40
End Examination Marks: 60

List of Experiments:

1. Discharge Measurements:

- (a) Small Orifice
- (b) Venturi Meter
- (c) Orifice Meter
- (d) Triangular Notch
- (e) Rectangular Notch
- (f) Elbow Meter (Pipe-bend Meter)

2. Losses in Pipes:

- (a) Pipe Friction
- (b) Sudden Contraction
- (c) Sudden Expansion
- (d) Gate Value
- (e) Bend Loss

3. Determination of Efficiency in Pumps and Turbines:

- (a) 0.4 K.W Centrifugal Pump
- (b) 0.8 K.W Centrifugal Pump
- (c) 5.5 K.W Centrifugal Pump
- (d) Francis Turbine
- (e) Kaplan Turbine