

CE 314: HYDRAULICS AND HYDRAULIC STRUCTURES LAB (0-0-2: 1)

Suggested list of experiments:

1. To determine the hydraulic depth and hydraulic mean depth of open channels.
2. To determine the roughness coefficient of an open channel.
3. Determination of specific energy, critical depth and plot the specific energy curve.
4. Study of gradually varied flow.
5. Study hydraulic jump and determination of sequent depths.
6. Study and calibration of different types of weirs.
7. Study of flow under sluice gate.
8. Study and calibration of venturi flume.

References:

1. M. H. Chaudhry, "Open Channel Flow", Prentice Hall
2. K.G. RangaRaju, "Flow Through Open Channels", Tata McGraw Hill
3. F. M. Henderson, "Open Channel Flow", Tata McGraw Hill
4. V.T. Chow, "Open Channel Hydraulics", Tata McGraw Hill