

FLUID MECHANICS LAB

Paper code: ETCE-253

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Course Outline:

Based on theory 8-10 experiments are to be performed. The list is provided below:

LIST OF EXPERIEMNTS:

1. Determination of metacentric height
2. Calibration of a venturimeter
3. Determination of frictional losses in pipes of different diameters.
4. Determination of minor losses in pipes
5. Calibration of a, V- notch and rectangular notch
6. Reynolds dye experiment for flow characterization
7. Determination of c_c , c_v and c_d of an orifice
8. Verification of Bernoulli's theorem
9. Calibration of orifice meter
10. Verify the impulse momentum equation [impact of jet]

NOTE:- At least 8 Experiments out of the list must be done in the semester.