

## 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]