

HYDRAULICS LAB

Paper Code: ETCE-256
Paper: Hydraulics Lab

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

LIST OF EXPERIMENTS

1. To study and compare the losses due to flow in smooth and rough pipes
2. To draw the performance characteristics of variable speed centrifugal pump
3. To draw the performance characteristics of single stage reciprocating pump
4. To determine operating characteristics of pelton wheel turbine
5. To determine operating characteristics of Francis turbine
6. To determine operating characteristics of Kaplan turbine
7. To determine the coefficient of impact for different types of vanes
8. Reynolds dye experiment for flow characterization
9. Model studies
10. Pipe analysis using EPANET software

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