COURSE TITLE : MECHANICAL ENGINEERING LAB
COURSE CODE : 3038
COURSE CATEGORY : B
PERIODS/WEEK : 3
PERIODS/SEMESTER : 45
CREDITS : 2

Course Objectives:

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	1	To understand the energy from flow of water through pipes.
	2	To comprehend with different types of engines.
	3	To understand the performance of water wheels.
	4	To understand the performance of engines.
	5	To analyze different pumps
	6	To understand different turbines

LIST OF EXPERIMENTS.

Draw standard piping symbols.

1. To verify Bernoulli's theorem using apparatus.
2. To determine the coefficient of;
    i. Discharge of notches.
    ii. Venturi meter.
3. To determine the Cd of orifice by falling head method & constant head method.
4. Load test on Pelton wheel.
5. To determine the efficiency of a centrifugal pump and to plot the various characteristics.
6. To perform load test (economic speed test) on diesel engine.
7. To conduct load test on;
    i. Francis turbine.
    ii. Kaplan turbine.
8. To determine the efficiency of a reciprocating pump.
9. To study different pumps.
10. To study different turbines

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