

FLUID MACHINERY LAB

Name of Lab In-charge: Mr. Rajesh Kumar Maurya

Name of technical assistant: Mr. Janeshwar

Course Outcomes:

CO Code	COURSE Outcome(CO)
1	Understand and validation of impulse-momentum principle.
2	Experiment for performance analysis of hydraulic turbines
3	Experiment for Performance analysis of hydraulic pumps
4	Experiment for Performance analysis of hydraulic Ram
5	Understand the working of various auxiliary hydraulic devices

List of Equipment:

1. Impact of Jet
2. Pelton wheel,
3. Francis turbine,
4. Kaplan turbine,
5. Reciprocating pump,
6. centrifugal pump,
7. Hydraulic Jack.
8. Hydraulic Brake
9. Hydraulic Ram etc

List of Experiments:

Sr. No.	As per AKTU	Performed/ Not performed
1	Impact of Jet experiment.	YES
2	Experiment on Pelton wheel.	YES
3	Experiment on Francis turbine.	YES
4	Experiment on Kaplan turbine.	YES
5	Experiment on Reciprocating pump.	YES
6	Experiment on centrifugal pump.	YES
7	Experiment on Hydraulic Jack/Press	YES
8	Experiment on Hydraulic Brake	YES
9	Experiment on Hydraulic Ram	YES
10	Study through visit of any water pumping station/plant	YES
11	Any other suitable experiment/test rig such as comparison &	

	performance of different types of pumps and turbines.	
12	Experiment on Compressor	
13	Experiment for measurement of drag and lift on aero foil in wind tunnel	

Pictures of Labs: