KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2021-2022)

Discipline: Mechanical	Semester: 5th, Winter/2021	Name of the Teaching Faculty: Prasant Kumar Patra Lecturer **Email ID:** pkpatrafme@kp.kiit.ac.in
Subject: Hydraulic Machine & Industrial Fluid Power Lab, Practical-2	**No. of Days/Week:** 04 (2 periods / Day)	**Start Date:** 01/10/2021 **End Date:** 31/01/2022
Experiments will be performed in small groups of 5 to 6 students		

Week	Class Day	Practical Topics
1st	1st	Laboratory Visit and familiarize with laboratory. Understanding Laboratory instructions and safety rules.
	2nd	Experiment-01: Study of Pelton Wheel turbine.
2nd	1st	Experiment-01: Study of Pelton Wheel turbine.
	2nd	Viva & Record Checking
3rd	1st	Experiment-02: Performance test on Pelton turbine to find out its efficiency.
	2nd	Experiment-02: Performance test on Pelton turbine to find out its efficiency.
4th	1st	Viva & Record Checking
	2nd	Experiment-03: Study of Francis turbine.
5th	1st	Experiment-03: Study of Francis turbine.
	2nd	Viva & Record Checking
6th	1st	Experiment-04: Performance test on Francis turbine to find out its efficiency.
	2nd	Experiment-04: Performance test on Francis turbine to find out its efficiency.
7th	1st	Viva & Record Checking
	2nd	Experiment-05: Study of Kaplan turbine.
8th	1st	Experiment-05: Study of Kaplan turbine.
	2nd	Viva & Record Checking
9th	1st	Experiment-06: Performance test on Kaplan turbine to find out its efficiency.
	2nd	Experiment-06: Performance test on Kaplan turbine to find out its efficiency.
10th	1st	Viva & Record Checking
	2nd	Experiment-07: Performance test on Centrifugal pump to find out its efficiency.
11th	1st	Experiment-07: Performance test on Centrifugal pump to find out its efficiency.
	2nd	Viva & Record Checking
12th	1st	Repeat Experiment-1&2
	2nd	Repeat Experiment-3&4

13th	1st	Repeat Experiment-5&6
	2nd	Repeat Experiment-7
14th	1st	Viva & Record Checking (Defaulter)
	2nd	Viva, Record submission & Evaluation
15th	1st	Practical Test.
	2nd	Practical Test.