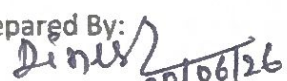


LESSON PLAN FOR THE ACADEMIC SESSION 2026-27(WINTER)

Discipline: Mechanical Engg. (Group-I&II)	Semester: 3rd	Name of the Teaching Faculty: Dinesh Kumar Sahu Designation: Lecturer S-1 Name of the Supporting Faculty : Laxman Hembram (Lab. Asst. Mechanical)
Subject: Fluid mechanics & Fluid Power Lab	No. of days/week class allotted: 02	Semester From: 01.07.2026 to 05.11.2026 No. of weeks: 15
Week	Class Day	Theory/Practical Topics
1 ST	1 st	Demonstration on Verification of Bernoulli's theorem
	2 nd	Conduct of experiment on Bernoulli's theorem
2 ND	1 st	Record check
	2 nd	Record check and Demonstration on Determination of Coefficient of Discharge of Venturi meter.
3 RD	1 st	Conduct of experiment on Determination of Coefficient of Discharge of Venturi meter.
	2 nd	. Record check
4 TH	1 st	Record check and Demonstration on Determination of Coefficient of Discharge, coefficient of contraction and coefficient of velocity of Orifice meter
	2 nd	Conduct of experiment on Determination of Coefficient of Discharge, coefficient of contraction and coefficient of velocity of Orifice meter
5 TH	1 st	Record check
	2 nd	Record check and Demonstration on Determination of coefficient of friction of flow through pipes
6 TH	1 st	Conduct of experiment on Determination of Determination of coefficient of friction of flow through pipes
	2 nd	Record check
7 TH	1 st	Record check and Demonstration on Determination of force exerted by the jet of water on the given vane.
	2 nd	Conduct of experiment on Determination of force exerted by the jet of water on the given vane.
8 TH	1 st	Record check
	2 nd	Record check and Demonstration on Determination of minor losses of flow through pipes.
9 th	1 st	Conduct of experiment on Determination of minor losses of flow through pipes.
	2 nd	Record check
10 TH	1 st	Calibration of pressure gauge using dead weight pressure gauge tester.
	2 nd	Record check and Demonstration on Trial on Pelton wheel /Francis/Kaplan turbine to determine overall efficiency

11 TH	1 st	Conduct of experiment on Determination of Trial on Pelton wheel /Francis/Kaplan turbine to determine overall efficiency
	2 nd	Record check
12 TH	1 st	Demonstration on Determination and Analysis of Hydraulic circuits in a hydraulic trainer
	2 nd	Demonstration on Determination and Analysis of pneumatic circuits in a pneumatic trainer
13 TH	1 st	Record check and Demonstration on Trial on centrifugal pump to determine overall efficiency.
	2 nd	Conduct of experiment on Determination of Trial on centrifugal pump to determine overall efficiency.
14 TH	1 st	Record check
	2 nd	Demonstration on Trial on reciprocating pump to determine overall efficiency.
15 TH	1 st	Conduct of experiment on Determination of Trial on reciprocating pump to determine overall efficiency.
	2 nd	Record check
TOTAL NO. OF CLASSES= 30 & Each Class of 2 Hrs Duration.		

Prepared By:

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Laxman Hembram

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Checked by:

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Approved by:

Academic Designation:
Govt. Polytechnic, Sonapur