

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING

Branch: Electrical Engg.	Semester: 3rd	Name of the Demonstrator: Er. Sandeep Mallick
Subject: ME lab	No of Classes Alloted in a Week: 2	Duration of Semester: 01.07.2024 - 08.11.2024
Week	Class Day	Theory / practical Topic
1st	1	Determination of M.A.,V.R and efficiency of Screw Jack(Cont.)
	2	Determination of M.A.,V.R and efficiency of Screw Jack(Cont.)
2nd	1	Determination of young's Modulus by searle's Apparatus (Cont.)
	2	Determination of young's Modulus by searle's Apparatus (Cont.)
3rd	1	Determination of young's Modulus by searle's Apparatus (Cont.)
	2	Determination of M.A., V.R and efficiency of wheel train (Cont.)
4th	1	Determination of M.A., V.R and efficiency of wheel train (Cont.)
	2	Study of Universal Testing Machine and determination of tensile stress and Youngs module of M.S specification (Cont.)
5th	1	Study of Universal Testing Machine and determination of tensile stress and Youngs module of M.S specification (Cont.)
	2	Determination of Coefficient Friction of Bearing
6th	1	Determination of Coefficient Friction of Bearing
	2	Determination of bending stress in beam using strain gauge
7th	1	Determination of bending stress in beam using strain gauge
	2	Study of pressure measuring devices such as (a) Piezo - meter (b) Simple manometer
8th	1	Study of pressure measuring devices such as (a) Piezo - meter (b) Simple manometer
	2	Study of Venturimeter
9th	1	Study of Venturimeter
	2	Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.)
10th	1	Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.)
	2	Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.)
11th	1	Model study of Centrifugal pumps, Francis ,Turbine, Kaplan trubine and Pelton Wheel. (Cont.)
	2	Study of Cochran Boiler
12th	1	Study and demonstration of Stream Engine (Cont.)
	2	Study and demonstration of Stream Engine (Cont.)
13th	1	Study and demonstration of Diesel Engine
	2	Study and demonstration of Diesel Engine
14th	1	Study and demonstration of Petrol Engine (Cont.)
	2	Study and demonstration of Petrol Engine (Cont.)

Signature of the
Demonstrator

Signature of the
H.O.D.