Discipline: Electrical engineering	Semester : 3rd Semester 2020-21	Name of the Teaching faculty: C R Meher (Lect.)
Subject : Mechanical Engg Lab	No. of Days/Week Class Allotted: 60	Semester from date: / /2020 to date: / /2020 No of weeks :18
Week	Class Day	Practical Topics
1st	1st	Introduction of MEL lab
	2nd	Introduction of MEL lab
2nd	1st	APPLIED MECHANICS & MATERIAL TESTING
	2nd	APPLIED MECHANICS & MATERIAL TESTING
3rd	1st	Determination of M.A.,V.R. and efficiency of Screw Jack
	2nd	Determination of M.A.,V.R. and efficiency of Screw Jack
4th	1st	Determination of friction co-efficient of bearing
	2nd	Determination of friction co-efficient of bearing
5th	1st	Determination of Young's modulus by Searle's Apparatus
	2nd	Determination of Young's modulus by Searle's Apparatus
6th	1st	Determination of M.A.,V.R. and efficiency of wheel train
	2nd	Determination of M.A.,V.R. and efficiency of wheel train
7th	1st	Determination of Bending stress in beam using strain gauge
	2nd	Determination of Bending stress in beam using strain gauge
8th	1st	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
	2nd	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
9th	1st	HYDRAULICS & HYDRAULIC MACHINE LAB
	2nd	HYDRAULICS & HYDRAULIC MACHINE LAB
10th	1st	Study of pressure measuring devices such as (a) Piezo-meter (b) Simple manometer
	2nd	Study of pressure measuring devices such as (a) Piezo-meter (b) Simple manometer
11th	1st	Study of venturi-meter
	2nd	Study of venturi-meter
12th	1st	Verification of Bernouli's Theorem
	2nd	Verification of Bernouli's Theorem
13th	1st	Model study of Centrifugal pumps, Francis, Turbine, Kaplan turbine and Pelton wheel.

	2nd	Model study of Centrifugal pumps, Francis, Turbine, Kaplan turbine and Pelton wheel.
14th	1st	Study of Cochran Boiler
	2nd	Study of Cochran Boiler
15th	1st	Study and demonstration of Stream Engine
	2nd	Study and demonstration of Stream Engine
16th	1st	Study and demonstration of Diesel Engine
	2nd	Study and demonstration of Diesel Engine
17th	1st	Study and demonstration of Petrol Engine
	2nd	Study and demonstration of Petrol Engine
18th	1st	Revision exp 1,2,3,4
	2nd	Revision exp 5,6,7,8