

KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2022 -2023)

Discipline: Mechanical Engineering	Semester: 4 th , Summer/2023	Name of the Teaching Faculty: Rabi Sankar Pattanaik Lecturer Manoj Kaibarta Sr. Technical Asst. Tapas Kumar Rath Sr. Technical Asst. Email ID: rspattnaikfme@kp.kiit.ac.in
Subject: Mechanical Engineering Laboratory-II (Pr.2)	No. of Days/week: 02 (3 periods / Day)	Start Date: 13/02/2023 End Date: 23/05/2023

Week	Class Day	Theory/Practical Topics
1 st	1	Laboratory Visit and familiarize with laboratory. Understanding Laboratory instructions and safety rules.
	2	Demonstrate the construction and working of I.C. Engines (two stroke and four stroke petrol).
2 nd	3	Demonstrate the construction and working of I.C. Engines (two stroke and four stroke petrol).
	4	Report writing and Submission
3 rd	5	Viva and Discussion
	6	Calculate the brake thermal efficiency of single cylinder petrol engine.
4 th	7	Report writing and Submission
	8	Viva and Discussion
5 th	9	Calculate the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test.
	10	Report writing and Submission

6 th	11	Viva and Discussion
	12	Calculate the mechanical efficiency of an air Compressor.
7 th	13	Report writing and Submission
	14	Viva and Discussion
8 th	15	Demonstrate the pressure measuring devices (manometer, Bourdon tube pressure gauge)
	16	Report writing and Submission
9 th	17	Viva and Discussion
	18	Examine Bernoulli's theorem
10 th	19	Report writing and Submission
	20	Viva and Discussion
11 th	21	Calculate of Cd from venturimeter
	22	Report writing and Submission
12 th	23	Viva and Discussion
	24	Calculate of Cc, Cv, Cd from orifice meter
13 th	25	Report writing and Submission
	26	Viva and Discussion
14 th	27	Revision
	28	Revision
15 th	29	Revision
	30	Discussion

Signature of Concerned Teacher

HoD
Department of
Mechanical Engineering