

KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2022-2023)

Discipline: Mechanical Engg.	Semester: 4 th , Summer/2023	Name of the Faculty: Durga Sankar Panda Lecturer Email ID: durgasankarfme@kp.kiit.ac.in
Subject: Theory of Machines and Measurements Lab (Pr.1)	No of Days/week: 02 (03 Periods/day) Experiment will be performed in small groups of 5 to 6 students	Start Date: 13/02/2023 End Date: 23/05/2023

Week	Class Day	Practical Topics
1 st , 2 nd , 3 rd , 4 th	1 st	Laboratory Visit and familiarize with laboratory. Understanding Laboratory instructions and safety rules.
	2 nd	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.
	3 rd	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer.
	4 th	Viva, Report writing & Evaluation
5 th , 6 th , 7 th , 8 th	1 st	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.
	2 nd	Study & demonstration of static balancing apparatus.
	3 rd	Determine the thickness of ground MS plates using slip gauges.
	4 th	Viva, Report writing & Evaluation
9 th , 10 th , 11 th , 12 th	1st	Study of different types of Cam and followers.
	2nd	Determination of angel of Machined surfaces of components using sin bar with slip gauges.
	3rd	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).
	4th	Viva, Report writing & Evaluation
13 th , 14 th , 15 th	1st	Practical Test.
	2nd	Study & demonstration of journal bearing apparatus.
	3rd	Practical Test.
	4th	Viva & Record Checking and submission

Signature of Concern Teacher