

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
1.	1	Introduction to Metrology. & its importance	From 3/2/25 to 10/2/25	3/2/25	
2.		Inspection & its types		5/2/25	
3.		Centralized & Decentralized inspection, Accuracy & Precision.		6/2/25	
4.	2	Introduction to Linear Measurement.		10/2/25	
5.	2	Types & different linear Measuring instruments.	12/2/25	12/2/25	Assignment 1
6.		Slip gauges.	17/2/25	19/2/25	

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7		Slip gauge: Numericals	17/2/25	17/2/25	
8		Comparator & its types	18/2/25	18/2/25	
9		Mechanical Comparator	19/2/25	19/2/25	
10		Other comparators.			
11		Measuring Machines.	05/3/25	22/3/25	
12	3	Angular Measurements	6/3/25	06/3/25	
13		Different Bevel protractor		05/3/25	
14		Sin. Bar	8/3/25	08/3/25	
15		Angle Gauge & its numerical.	10/3/25	10/3/25	Assignment 2

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16.	4	Angle Detektor	11/3/25	11/3/25		
17		Auto collimator	12/3/25	12/3/25		
18.		Surface roughness Introduction.	17/3/25	17/3/25		
19		Terminologies Related to it	20/3/25	20/3/25		
20		Types of Surface Roughness	}	22/3/25	22/3/25	
				24/3/25	24/3/25	
21		Different profiles	}	9/4/25	9/3/25	
				11/4/25	11/4/25	
22		Units of Surface Roughness		12/4/25	12/4/25	
23	Measurement of Roughness		15/4/25	15/4/25		

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24		Direct & Indirect Measurement	16/4/25	16/4/25	
25			17/4/25	17/4/25	

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Principal
Govt. Co-Ed Polytechnic
Raipur (C.G.)