

LESSON PLAN FOR THE ACADEMIC SESSION 2026-27(WINTER)

Discipline: Mechanical Engg. (Group-I&II)	Semester: 5th	Name of the Teaching Faculty: ANUP RANA Designation: Lecturer 5-1 Name of the Supporting Faculty : Laxman Hernbram (Lab. Asst. Mechanical)
Subject: Metrology and Measurement Lab	No. of days/week class allotted: 02	Semester From: 01.07.2026 to 05.11.2026 No. of weeks: 15
Week	Class Day	Theory/Practical Topics
1 ST	1 st	1.E-Learning,, Demonstration & Safety Precautions of Micrometer & Digital Micrometer
	2 nd	Demonstration & Measure the different diameter of a wire using Micrometer & note it.
2 ND	1 st	Demonstration & Measure the different diameter of a wire using digital Micrometer & note it.
	2 nd	Measure the diameter of a wire using Micrometer and compare the result with digital Micrometer and verified it
3 RD	1 st	Record Check
	2 nd	Record Check &. E-Learning - Demonstration & Safety Precaution of sine bars & slip gauges.
4 TH	1 st	Demonstrate and Measure the angle of the machined surface using sine bars with slip gauges.
	2 nd	Demonstrate and Measure the angle of the machined surface using sine bar with slip gauge and record check
5 TH	1 st	Record Check
	2 nd	Record Check & E-Learning - Demonstration & Safety Precautions of a V-block / Taper Shank of Drill / Dovetail and universal bevel protractor
6 TH	1 st	Demonstrate and Measure the angle of a V-block using universal bevel protractor
	2 nd	Demonstrate and Measure the angle of a Taper Shank of Drill using universal bevel protractor
7 TH	1 st	Demonstrate and Measure the angle of a Dovetail using universal bevel protractor
	2 nd	Record Check
8 TH	1 st	Record Check & E-Learning - Demonstration & Safety Precautions of Vernier Caliper, Digital/ Dial Vernier Caliper.
	2 nd	Demonstrate & Measure the dimensions of ground MS flat using Vernier Caliper compare with Digital/Dial Vernier Caliper.
9 TH	1 st	Demonstrate & Measure the dimensions of cylindrical bush using Vernier Caliper compare with Digital/Dial Vernier Caliper.

10 TH	1 st	Record Check
	2 nd	Record Check & E-Learning - Demonstration & Safety Precautions of V-Thread and thread Vernier gauge.
11 TH	1 st	Demonstrate and Measure the geometrical dimensions of V-Thread using thread Vernier gauge.
	2 nd	Demonstrate and Measure the geometrical dimensions of V-Thread using thread Vernier gauge.
12 TH	1 st	Demonstrate and Measure the geometrical dimensions of V-Thread using thread Vernier gauge.
	2 nd	Record Check
13 TH	1 st	Record Check & E-Learning - Demonstration & Safety Precuation of slip gauges
	2 nd	Demonstrate and Measure the thickness of ground M.S. plates using slip gauges.
14 TH	1 st	Demonstrate and Measure the thickness of ground M.S. plates using slip gauges.
	2 nd	Record Check
15 TH	1 st	Record Check and
	2 nd	Revision
TOTAL NO. OF CLASSES= 30 & Each Class of 2 Hrs Duration.		

Prepared By:


Anup Rana

Lecturer s-1 (Mechanical)
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Laxman Hembram (Lab. Asst. Mechanical)

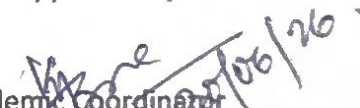

20/6/26

Checked by:


H.O.D.

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Approved by:


Academic Coordinator
Govt. Polytechnic, Sonepur