

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

Discipline: Mechanical Engg. (Group-1)	Semester: 3RD	Name of the Teaching Faculty: ANUP RANA Designation: Lecturer S-1
Subject: Manufacturing Engg. Lab-I(PR-01)	No. of days/week class allotted:02	Name of the Supporting Faculty : SUJIT KUMAR SAHU(Lab.Asst. Workshop) Semester From: 01.07.2026 to 05.11.2026 No. of weeks: 15
Week	Class Day	Theory/Practical Topics
1 ST	1 st	1) Demonstration of Arc Welding machine and its different parts along with practical work. 2) Cutting of M.S. Flats of Required sizes 3) Filing of M.S. flat pieces as per required dimensions.
	2 nd	Welding practice.
2 ND	1 st	Welding practice.
	2 nd	Job No-1 : Lap joint. Checking the rough copy and fair record.
3 RD	1 st	1) Cutting of metal (MS Flat) for Butt Joint. 2) Filing of flat pieces as per required dimensions.
	2 nd	Job No- 2 : Butt Joint. Welding of Butt Joint. Checking the rough copy and fair record.
4 TH	1 st	1) Cutting of metal (MS Flat) for Butt Joint. 2) Filing of flat pieces as per required dimensions.
	2 nd	Job No- 3 : T- Joint. Welding of T- Joint.
5 TH	1 st	Welding of T- Joint. Checking the rough copy and fair record.
	2 nd	1) Demonstration of Gas Welding and its different parts along with working principle. 2) Cutting of MS flat pieces for lap joint. 3) Filing of flat pieces.
6 TH	1 st	Gas welding practice for enhancing the knowledge of students.
	2 nd	Gas welding practice for enhancing the knowledge of students.
7 TH	1 st	Job-4 Lap Joint is to be made by gas welding process. Checking the rough copy and fair record.
	2 nd	1) Cutting of M.S. Flat as per required dimensions for making butt joint. 2) Filing of flat pieces.
8 TH	1 st	Job No: 05 Butt Joint preparation by Gas welding process.
	2 nd	Butt Joint preparation by Gas welding process. Checking the rough copy and fair record.
9 th	1 st	Job No: 06 1) Cutting of metal (Say 25mm round bar) for Tuning exercises. 2) Facing, step turning and chamfering on M.S. rod.
	2 nd	Facing, step turning and chamfering on M.S. rod. Checking the rough copy and fair record.
10 TH	1 st	Job No: 07 1) Cutting of metal (Say 25mm round bar) for Tuning exercises. 2)Step turning and taper turning.

	2 nd	Step turning and taper turning. Checking the rough copy and fair record.
11 TH	1 st	Job No: 08 1) Cutting of metal (Say 25mm round bar) for Tuning exercises. 2) Step turning and groove cutting. Checking the rough copy and fair record.
	2 nd	Job No: 09 1) Cutting of metal (Say 25mm round bar) for Tuning exercises. 2) Step turning and knurling.
12 TH	1 st	Step turning and knurling. Checking the rough copy and fair record.
	2 nd	Job No: 10 1) Cutting of metal (Say 25mm round bar) for Tuning exercises. 2) Step turning and thread cutting.
13 TH	1 st	Step turning and thread cutting. Checking the rough copy and fair record.
	2 nd	Job No: 11 1) Cutting of metal (Say 40 mm round bar) for Tuning exercises. 2) Turning and Drilling.
14 TH	1 st	Turning and Drilling. Checking the rough copy and fair record.
	2 nd	Job No: 12 Grinding the lathe cutting tools to the required angles.
15 TH	1 st	Checking the rough copy and fair record.
	2 nd	Checking the rough copy and fair record.
TOTAL NO. OF CLASSES=60		


20/06/2026
Prepared By:

Anup Rana

Lecturer s-1 (Mechanical)

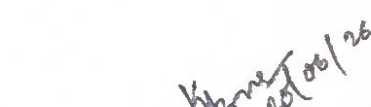
Govt. Polytechnic, Sonepur


20/06/26
Sujit Kumar Sahu (Lab. Asst. Workshop)


25/06/26
Checked by:

H.O.D.

Dept. of Mech. Engg.
Govt Polytechnic, Sonepur


20/06/26
Approved by:
Academic Coordinator
Govt. Polytechnic, Sonepur