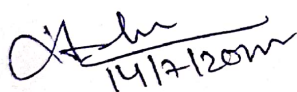


Discipline: Mechanical Engineering	Semester : 3 rd Semester 2025-2026 Dt- 15/07/2025 To 15/11/2025	Name of the Teaching faculty: Manufacturing engg. Lab-I Smt. Swagatika Babu(Sr. Lect Mech engg.) & Smt. Sraddha Suman Adabar (lect. Mech. Engg)
Subject : Mechanical Engg Lab	No. of Days/Week Class Allotted: 60	
Week	Class Day	Practical Topics
1 st	1 st	Introduction to molding & casting
	2 nd	Moulding & casting of (i) Connecting rod
2 nd	1 st	(ii) Solid bearing
	2 nd	iii) V-Pulley/Gear Pulley
3 rd	1 st	Introduction to Arc welding
	2 nd	Arc welding (i) Lap Joint
4 th	1 st	ii) Butt Joint
	2 nd	(iii) T- Joint
5 th	1 st	Introduction to gas welding
	2 nd	(i) Lap Joint
6 th	1 st	(ii) Butt Joint
	2 nd	Spot welding (i) Lap Joint
7 th	1 st	Turning Exercise (i) Facing, Step Turning & Chamfering
	2 nd	(ii) Step Turning & Taper Turning
8 th	1 st	iii) Step Turning & Groove Cutting
	2 nd	(iv) Step Turning & Knurling
9 th	1 st	(v) Step Turning & Thread Cutting
	2 nd	(vi) Turning and Drilling
10 th	1 st	Grinding the Lathe Cutting tools to the required angles
	2 nd	Study of Lathe
11 th	1 st	Study of Drilling machine,
	2 nd	Study of shaping machine

12 th	1 st	Study slotting machine
	2 nd	The dismantling some of the components of lathe and then assemble the same
13 th	1 st	continue
	2 nd	continue
14 th	1 st	List the faults associated with lathe and its remedies
	2 nd	continue
15 th	1 st	The routine and preventive maintenance procedure for lathe
	2 nd	continue
16 th	1 st	revision
	2 nd	revision
17 th	1 st	revision
	2 nd	revision
18 th	1 st	revision
	2 nd	revision


 14/12/2020
 SIGNATURE OF THE FACULTY


 14/10/25
 SIGNATURE OF H.O.D.