



# GOVERNMENT POLYTECHNIC, NABARANGPUR

## DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: <b>MECHANICAL ENGG</b>	Semester: <b>4<sup>TH</sup></b>	Name of the Teaching Faculty: Lect. Laxman Golari
Subject: <b>WORKSHOP PRACTICE-III</b>	No. of days/per week class allotted: <b>06</b>	Semester From date: 14.02.2023 To Date:  No. of Weeks: <b>15</b>
<b>COURSE OUTCOMES</b>	<ul style="list-style-type: none"> <li>● Preparing components and jobs using foundry, welding and machining □</li> <li>● Realizing process parameters involved and their effects</li> </ul>	
<b>Week</b>	<b>Class Day</b>	<b>Theory/Practical Topics</b>
1 <sup>ST</sup>	1-3	INTRODUCTION
	4-6	1 Machining Practices
2 <sup>ND</sup>	1-3	1 Machining Practices
	4-6	1.1 Job in evolving drilling, boring
3 <sup>RD</sup>	1-3	1.1 Job in evolving drilling, boring
	4-6	1.2 Internal/External threading on Turning jobs
4 <sup>TH</sup>	1-3	QUIZ AND ASSIGNMENT
	4-6	1.2 Internal/External threading on Turning jobs
5 <sup>TH</sup>	1-3	1.2 Internal/External threading on Turning jobs
	4-6	1.3 Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)
6 <sup>TH</sup>	1-3	1.3 Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)
	4-6	1.3 Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)
7 <sup>TH</sup>	1-3	1.4 All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.
	4-6	QUIZ AND ASSIGNMENT
8 <sup>TH</sup>	1-3	1.4 All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.
	4-6	1.4 All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.
9 <sup>TH</sup>	1-3	1.4 All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC

		Lathe trainer.
	4-6	2 Metal Machining
10 <sup>TH</sup>	1-3	2 Metal Machining
	4-6	2.1 Shaper Preparation of V Block on CI or MS Blocks 2.2 Milling Machine Preparation of Spur gear on CI or MS round
11 <sup>TH</sup>	1-3	2.1 Shaper Preparation of V Block on CI or MS Blocks
	4-6	QUIZ AND ASSIGNMENT
12 <sup>TH</sup>	1-3	2.1 Shaper Preparation of V Block on CI or MS Blocks
	4-6	2.2 Milling Machine Preparation of Spur gear on CI or MS round
13 <sup>TH</sup>	1-3	QUIZ AND ASSIGNMENT
	4-6	2.2 Milling Machine Preparation of Spur gear on CI or MS round
14 <sup>TH</sup>	1-3	2.2 Milling Machine Preparation of Spur gear on CI or MS round
	4-6	2.2 Milling Machine Preparation of Spur gear on CI or MS round
15 <sup>TH</sup>	1-3	LAB RECORD SUBMISSION
	4-6	LAB RECORD SUBMISSION

Sign. Of HOD I/C  
A. R. 13/12/2023

Sign. Of Faculty  
Concerned  
G. J. 13/12/23  
(Laxman G. J.)

Principal  
13/12/23

Academic Coordinator  
13/12/23