


GOVERNMENT POLYTECHNIC, MALKANGIRI
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline:- MECHANICAL ENGG. ENGG.	Semester:- 4TH	Name of Teaching Faculty:- Sri SAURAV RANJAN PRADHAN, WORKSHOP SUPERINTENDENT	
SUB:- WORKSHOP-III	No of Days /per week class allotted:-06	Semester From Date:-04.02.25 To Date:-17.05.25 No of Weeks-15	
WEEK	CLASS DAY	THEORY/PRACTICAL TOPICS	DELIVERY METHOD
1st	1st	Introduction, , Workshop - Safety Precaution, Safety precaution & safety equipments(Turning Shop),	DEMONSTRATION
	2nd	Various marking, measuring, cutting & holding tools. Demonstration of different parts of a lathe, demonstration on centering & turning operation	DEMONSTRATION
2nd	1st	Job - drilling operation	JOB
	2nd	Job - drilling operation	JOB
3rd	1st	Job submitted, Record checked	JOB
	2nd	Job - boring operation	JOB
4th	1st	Job - boring operation	JOB
	2nd	Job submitted, Record checked	JOB
5th	1st	External threading on Turning jobs	JOB
	2nd	External threading on Turning jobs	JOB
6th	1st	Job submitted, Record checked	JOB
	2nd	Internal threading on Turning jobs	JOB
7th	1st	Internal threading on Turning jobs	JOB
	2nd	Job submitted, Record checked	JOB
8th	1st	Demonstration of different parts of a Capstan and turret lathe	DEMONSTRATION
	2nd	Job - use of Capstan and turret lathe (Taper Turning & Chamfering)	JOB
9th	1st	Job - use of Capstan and turret lathe (Taper Turning & Chamfering)	JOB
	2nd	Job - use of Capstan and turret lathe (Taper Turning & Chamfering)	JOB
10th	1st	Job - use of Capstan and turret lathe (Taper Turning & Chamfering)	JOB
	2nd	Job submitted, Record checked	JOB
11th	1st	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	DEMONSTRATION

	2nd	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	JOB
12th	1st	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	JOB
	2nd	Job submitted, Record checked	JOB
13th	1st	Shaper - Preparation of V Block on CI or MS Blocks	DEMONSTRATION, JOB
	2nd	Shaper - Preparation of V Block on CI or MS Blocks	JOB
14th	1st	Job submitted, Record checked	JOB
	2nd	Milling Machine Preparation of Spur gear on CI or MS round	DEMONSTRATION, JOB
15th	1st	Milling Machine Preparation of Spur gear on CI or MS round	JOB
	2nd	Job submitted, Record checked	JOB


 Sign. of Faculty concerned
 03/02/25


 Sign. of HOD
 03/02/25


 Sign. of Academic Coordinator
 03/02/25


 PRINCIPAL
 Govt. Polytechnic, Malkangiri