

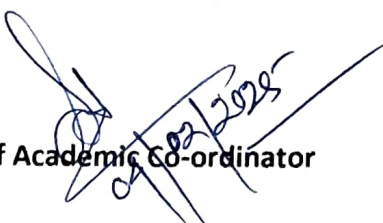
GOVERNMENT POLYTECHNIC, MALKANGIRI
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline:- CE, EE, EEE	Semester:- 2ND	Name of Teaching Faculty:- Sri SAURAV RANJAN PRADHAN, WORKSHOP SUPERINTENDENT	
SUB:- Engineering Workshop Practice	No of Days /per week class allotted:-04	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:- Safety precaution & safety equipments	DEMONSTRATION
	2nd	Carpentry:- Demonstration of different wood working tools / machines	DEMONSTRATION
2nd	1st	Demonstration of different wood working processes, like planing, marking, chiseling, grooving, turning of wood etc.	DEMONSTRATION
	2nd	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.	JOB
3rd	1st	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.	JOB
	2nd	Job submitted, Record checked	JOB
4th	1st	Fitting:- Demonstration of different fitting tools and drilling machines and power tools	DEMONSTRATION
	2nd	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.	DEMONSTRATION
5th	1st	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc	JOB
	2nd	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc, Job submitted, Record checked	JOB
6th	1st	Welding:- Demonstration of different welding tools / machines	DEMONSTRATION
	2nd	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding	DEMONSTRATION
7th	1st	One simple job involving butt and lap joint	JOB
	2nd	One simple job involving butt and lap joint	JOB
	1st	Job submitted, Record checked	JOB

8th	2nd	Sheet Metal Working:- Demonstration of different sheet metal tools / machines.	DEMONSTRATION
9th	1st	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.	DEMONSTRATION
	2nd	One simple job involving sheet metal operations and soldering and riveting.	JOB
10th	1st	One simple job involving sheet metal operations and soldering and riveting.	JOB
	2nd	Job submitted, Record checked	JOB


 Sign. of Faculty concerned


 Sign. of HOD


 Sign. of Academic Co-ordinator


 PRINCIPAL
 Govt. Polytechnic, Malkangiri