

**GOVERNMENT POLYTECHNIC, MALKANGIRI**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>Discipline:- MECHANICAL ENGG.</b>	<b>Semester:- 3RD</b>	<b>Name of Teaching Faculty:- Sri SAURAV RANJAN PRADHAN, WORKSHOP SUPERINTENDENT</b>
<b>SUB:-Pr.3- WORKSHOP PRACTICE-II</b>	<b>No of Days /per week class allotted:-06</b>	<b>Semester From Date:-15.09.22 To Date:-21.01.23 No of Weeks-15</b>
<b>COURSE OUTCOMES</b>	CO1:- Practicing fitting, carpentry, smithy and machining. CO2:- Understanding the tools and equipment used in the practices. CO3:- Realize the time and resource utilization in the practices.	
<b>WEEK</b>	<b>CLASS DAY</b>	<b>PRACTICAL TOPICS</b>
1ST	1st	Safety Precaution, Fitting practices:- Demonstration of various fitting tools
	2nd	Fitting practices:- Preparation of caliper
2ND	1st	Fitting practices:- Preparation of caliper
	2nd	Fitting practices:- Preparation of try square
3RD	1st	Fitting practices:- Preparation of try square
	2nd	Fitting practices:- Preparation of hammer
TH	1st	Fitting practices:- Preparation of hammer
	2nd	Fitting practices:- Preparation of square
5TH	1st	Fitting practices:- Preparation of square
	2nd	Fitting practices:- Preparation of Hexagonal
6TH	1st	Fitting practices:- Preparation of Hexagonal
	2nd	Smithy Practices:- Demonstration of various smithy tools
7TH	1st	Smithy Practices:- Preparation of door ring with hook
	2nd	Smithy Practices:- Preparation of hexagonal head bolt
8TH	1st	Smithy Practices:- Preparation of hexagonal head bolt
	2nd	Smithy Practices:-Preparation of octagonal flat chisel
9TH	1st	Smithy Practices:-Preparation of octagonal flat chisel
	2nd	Carpentry Practices:- Demonstration of various Carpentry tools
10TH	1st	Carpentry Practices:- Preparation of notch slot joint

10TH	2nd	Carpentry Practices:- Preparation of notch slot joint
11TH	1st	Carpentry Practices:- Mortise and Tenon Joint
	2nd	Carpentry Practices:- Mortise and Tenon Joint
12TH	1st	Carpentry Practices: Preparation of single dove tail joint
	2nd	Carpentry Practices: Preparation of single dove tail joint
13TH	1st	Welding Practice:- Demonstration of Arc welding (tools & equipments)
	2nd	Welding Practice:- Lap Joint using Arc Welding
14TH	1st	Welding Practice:- Butt Joint using Arc Welding
	2nd	Welding Practice:- Demonstration of Gas welding (tools & equipments)
15TH	1st	Welding Practice:- Lap Joint using Gas Welding
	2nd	Joining Two non-ferrous parts

**Sign. of Faculty concerned**

**Sign. of HOD**

**Sign. of Academic Co-ordinator**

**PRINCIPAL**  
**Govt. Polytechnic, Malkangiri**