

GOVERNMENT POLYTECHNIC KORAPUT

Diploma in Electrical Engineering.

Name of the Course: Mechanical Workshop Praticce.			
Faculty: Manoja Kumar Sahu		Semester Start Date: 01/08/2023 End Date : 30/11/2023	
Course code:		Semester	3 rd
Total Period:	90	Examination	3Hrs
Theory periods:	6P/Week	Internal Assessment	25
Maximum marks:	75	End Semester Examination	50

DEPARTMENT OF ELECTRICAL ENGINEERING

Vision:-

To create competent & industry ready Electrical Diploma Engineers with professional and social values to meet future challenges.

Mission:-

- To prepare diploma holders through "qualitative competency based education system" to compete with national requirement along with core values.
- To produce dynamic Electrical Engineers to serve the society and industry.
- To develop leadership qualities, communication skills, critical thinking and attitude for Lifelong learning.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1:	Apply technical knowledge and skills learned in the field of electrical engineering to excel in professional and/or higher education.
PEO2:	To provide students an excellent academic environment and make them aware of the needs of Society and Industry to become a successful Professional/Entrepreneur.
PEO3:	To engage in lifelong learning, career enhancement to adopt emerging technologies.

COURSE OBJECTIVES-

CO1:	Understand what is carpentry, develop knowledge of workshop equipment and tools.
CO2:	Practice of different carpentry joint (like mortise & tenon joint, slot. notch, dovetail joint) from raw material by using carpentry tools.
CO3:	Understand the function of different parts of lathe machine.
CO4:	Practice of different lathe operation like turning, tapper turning and external V-threading.



GOVERNMENT POLYTECHNIC, KORAPUT
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: ELECTRICAL ENGG	Semester: 3RD	<i>Name of the Teaching Faculty:</i> MANOJA KUMAR SAHU
Subject: WORKSHOP PRACTICE-2	<i>No. of period per week allotted:</i> 6	<i>Semester From date:</i> 01/08/23 <i>To Date:</i> 30/11/23 <i>No. of Weeks:</i> 15
Week	Class Day	Theory/Practical Topics
1 ST	1-3	Carpentry
	4-6	Timber and its different size.
2 ND	1-3	Measuring & Marking
	4-6	Different operation in carpentry like sawing, planning, chiseling.
3 RD	1-3	Slot Notch joint
	4-6	Slot Notch joint
4 TH	1-3	Dovetail joint
	4-6	Dovetail joint
5 TH	1-3	Dovetail joint
	4-6	Tenon mortise joint
6 TH	1-3	Tenon mortise joint
	4-6	Tenon mortise joint
7 TH	1-3	Lathemachine and different parts of lathe machine.
	4-6	Different operation carried out in lathe machine.
8 TH	1-3	Facing
	4-6	Plainturning

9 TH	1-3	Plainturning
	4-6	Plainturning
10 TH	1-3	Step turning
	4-6	Step turning
11 TH	1-3	Step turning
	4-6	Step turning
12 TH	1-3	Tapper turning
	4-6	Tapper turning
13 TH	1-3	Tapper turning
	4-6	Tapper turning
14 TH	1-3	Thread cutting
	4-6	Thread cutting
15 TH	1-3	Thread cutting
	4-6	Thread cutting

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11/8/23

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01/8/23

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