

LESSON PLAN
DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

SUBJECT:WORKSHOP PRACTICE-1

Periods:2 CLASS DAY/WEEK

SEMESTER:1st

NAME OF FACULTY: MANOJ KUMAR JENA, Instructor(Workshop) No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1 st	1 st	Brief introduction to workshop practice and safety
	2 nd	Brief introduction to workshop practice and safety
2 nd	1 st	introduction and use of measuring tools used in fitting shop like steel rule, measuring tape, outside ,vernier caliper
	2 nd	FITTING SHOP Preparation of stud and square nut Operations:- Marking, Cutting, Fitting
3 rd	1 st	Preparation of hexagonal paper weight Operations:- Marking, Cutting, Filing
	2 nd	SHEET METAL Demonstrate safety practice in sheet metal shop
4 th	1 st	Prepare surface development for the jobs according to the drawing Cut M.S and G.P sheets according to the surface development/ drawing using standards sheet metal cutting tools.
	2 nd	Demonstrate the process of metal clamp joining and reverted joining of sheet metals JOB: to prepare a sheet metal tray.
5 th	1 st	To prepare a sheet metal funnel Operation :- marking , cutting, finishing
	2 nd	WELDING SHOP Safety precautions in welding, safety equipment & its application in welding shop
6 th	1 st	Introduction to welding, type of welding, common material that can be welded.
	2 nd	Introduction to gas welding equipment , types of flame adjustment of flame ,application of gas welding , welding tools & safety precaution
7 th	1 st	Introduction to electric arc welding (AC & DC) ,practice in setting current & voltage for striking proper arc precaution while using electric arc welding. Application of arc welding
	2 nd	Demonstrate & use of the different tools used in the welding shop with sketches, hand shield, helmet, clipping hammer, gloves, welding lead, connectors, aprons, goggles, etc.
8 th	1 st	To Prepare lap joint by arc welding rod Operations:- Marking, Cutting, welding
	2 nd	Gas welding practice on worn-out & broken parts
9 th	1 st	TURNING SHOP Introduction
	2 nd	Safety precaution & safety equipment
10 th	1 st	Various marking, measuring, cutting & holding tools.
	2 nd	Demonstrate of different parts of a lathe
11 th	1 st	Demonstration on centering & turning operation in a group of 06 students
	2 nd	To prepare a plain turning job Operation:- marking , cutting, finishing

12 th	1 st	To prepare a step turning job Operation:- marking , cutting, finishing
	2 nd	To prepare a taper turning job Operation:- marking , cutting, finishing
13 th	1 st	To prepare a knurling operation on job Operation:- marking , cutting, finishing
	2 nd	To prepare a drilling operation on job Operation:- marking , cutting, finishing
14 th	1 st	Revision & Record Verification
	2 nd	Revision & Record Verification
15 th	1 st	Revision & Record Verification
	2 nd	Revision & Record Verification

MKS

Sign. of Faculty