Lesson Plan for the odd Semester started w.e.f MARCH-2023			
Name of the Teacher with Designation Prem Singh W/I			
Discipline : MECH.ENGG.			
Semester: 2 ND SEM			
Subject : FITTING & PLUMBING SHOP-II			
Lesson Plan Duration: 15 weeks (From 06 MARCH-2023 to 23/06/2023)			
Work Load (Practical) per week , Practical's : 06			
		Practical	
Week			
	Practical	Topic	
ct	Day		
1 st		2.1 Safety Precautions of concerned shop and use of personal	
		protective equipment (PPE), demonstration of tools, equipment,	
		sample jobs, Best practices in the concerned shop.	
		2.2 Handling of management like of dial source and	
		2.2 Handling of measuring instruments, Use of dial gauges and	
		feeler gauges.	
		2.3 Demonstration of various types of drills, taps and dies.	
		2.5 Demonstration of various types of arms, taps and aless	
		2.4 Introduction to tapping and dieing	
		2.5 file and make angle, surfaces (Bevel gauge accuracy 1 degree)	
		make simple open and sliding fits Inside square fit, make combined	
		open and sliding fit, straight sides	
		Job I To perform drilling and reaming operation on mild steel flat.	
		Job II To make assembly for V shape or square shape fit.	
2 nd		CONTINUED	
3 rd		CONTINUED	
4 th		CONTINUED	
5 th		CONTINUED	
6 th		CONTINUED	
7 th		2.6 Sliding fitting, Diamond fitting, Lapping flat surfaces using	
		lapping plate. Application of lapping, material for lapping tools,	
		lapping abrasives, charging of lapping tool. Surface finish	
		importance, equipment for testing-terms relation to surface finish.	
		2.7 Introduction to various types of threads (internal and external)-	

	single start, multi-start, left hand and right hand threads.
	2.8 Description and demonstration of various types of drills, taps and dies. Selection of dies for threading, selection of drills, taps and reamers for tapping operations.
	2.9 Introduction to use of plumbing tools like pipe wrench, plumber vice and materials like Putty, thread, duct(Teflon) tape, epoxy resin, araldite, m-seal.
	2.10 Precautions while drilling soft metals, e.g. copper, brass, aluminium etc.
	Job III Radius form filing on the corners
	Job IV To make step assembly.
	Job V To make overhead tank assembly with GI/C-PVC pipes and
	joints.
8 th	CONTINUED
9 th	CONTINUED
10 th	CONTINUED
11 th	CONTINUED
12 th	CONTINUED
13 th	Revision Job. 1,2,3,4,5
14 th	CONTINUED
15 th	CONTINUED