SYNERGY SCHOOL OF ENGINEERING,DHENKANAL

LESSON PLAN

Session (2026-2027)

Discipline: 1st year Diploma Engg. Common to All Branches	**Name of the Teaching Faculty:** Mr. Mihir Kumar Swain, (Lecturer) **Workshop instructor :**Mr. Rajesh Naik	
Subject: **ENGG.WORKSHOP PRACTICE**	**No. of Days/Week:** 02	**Start Date: 17/08/2026** **End Date: 17/04/2027**

Weeks	Periods	Theory Topics	Group-1	Group-2
1st	2	Demonstration of different fitting tools and drilling machines and power tools.		
2nd	4	Demonstration of different fitting tools and drilling machines and power tools.		
3rd	6	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.		
4th	8	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.		
5th	10	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc.		
6th	12	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc.		
7th	14	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc		
8th	16	Record check and viva		
9th	18	Demonstration of different welding tools / machines.		
10th	20	Demonstration of different welding tools / machines.		
11th	22	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding		
12th	24	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding		

13th	26	One simple job involving butt and lap joint		
14th	28	One simple job involving butt and lap joint		
15th	30	One simple job involving butt and lap joint		
16th	32	Record check and viva		
17th	34	Demonstration of different sheet metal tools / machines		
18th	36	Demonstration of different sheet metal tools / machines.		
19th	38	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.		
20th	40	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.		
21st	42	One simple job involving sheet metal operations and soldering and riveting		
22nd	44	One simple job involving sheet metal operations and soldering and riveting		
23rd	46	One simple job involving sheet metal operations and soldering and riveting		
24th	48	Record check and viva		
25th	50	Demonstration of different wood working tools / machines		
26th	52	Demonstration of different wood working tools / machines		
27th	54	Demonstration of different wood working processes, like plaining, marking, chiseling, grooving, turning of wood etc.		
28th	56	Demonstration of different wood working processes, like plaining, marking, chiseling, grooving, turning of wood etc.		
29th	58	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.		
30th	60	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.		
31st	62	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.		
32nd	64	Record check and viva		

Rajesh 10/8/26
Sign of W.I

10/8/26
Sign of faculty

10/8/26
Sign of HOD
HOD
MECHANICAL ENGG. DEPT
SSE,Dhenkanal