

UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Academic Lesson Plan for Winter Semester- 2022

Name of the Teaching Faculty: Er. Sagar Kumar Jena
 Semester: 5th
 No. of Periods per Week: 4
 End Semester Exam: 50
 Total Marks: 75

Department: Mechanical Engineering
 Subject: CAD/CAM LAB
 Total Periods: 60
 Sessional: 25
 Practical - 3

Sl. No.	Week	Period	Topic to be covered
1.	1 st	1 st	About Cad Software
2.		2 nd	Do
3.		3 rd	Part modeling, Datum plane, Datum plane, constraint
4.		4 th	Do
5.	2 nd	1 st	Do
6.		2 nd	Do
7.		3 rd	Dimensioning, extrude
8.		4 th	Revolve, sweep
9.	3 rd	1 st	Do
10.		2 nd	Do
11.		3 rd	Protrusion, extrusion
12.		4 th	Do
13.	4 th	1 st	Rib, shell, hole, round, chamfer
14.		2 nd	Do
15.		3 rd	copy ,mirror ,assembly ,align ,orient
16.		4 th	Do
17.	5 th	1 st	Practice Exercises
18.		2 nd	Do
19.		3 rd	Do
20.		4 th	Do
21.	6 th	1 st	Do
22.		2 nd	Do
23.		3 rd	Do
24.		4 th	Do
25.	7 th	1 st	Do
26.		2 nd	Do
27.		3 rd	Do
28.		4 th	Do
29.	8 th	1 st	CNC Programming and Machining
30.		2 nd	Study of CNC lathe, milling
31.		3 rd	Study of international codes G-Codes, M-Codes
32.		4 th	Do
33.	9 th	1 st	Do
34.		2 nd	Format-Dimensioning methods.

35.		3 rd	Do
36.		4 th	Do
37.	10 th	1 st	Programme writing
38.		2 nd	Do
39.		3 rd	Editing the programme in the CNC machines.
40.		4 th	Execute the programme in the CNC machines.
41.	11 th	1 st	Do
42.		2 nd	Do
43.		3 rd	Do
44.		4 th	Do
45.	12 th	1 st	Do
46.		2 nd	Practice Exercises
47.		3 rd	Do
48.		4 th	Do
49.	13 th	1 st	Do
50.		2 nd	Do
51.		3 rd	Do
52.		4 th	Do
53.	14 th	1 st	Do
54.		2 nd	Do
55.		3 rd	Do
56.		4 th	Do
57.	15 th	1 st	Do
58.		2 nd	Do
59.		3 rd	Do
60.		4 th	Do

The above lesson plan prepared by the concerned faculty.

Er. Sagar Kumar Jena

PTGF, MECHANICAL DEPARTMENT