

Discipline: Mechanical Engineering	Semester : 5th Semester	Name of the Teaching Faculty: ARUN KUMAR SAHU
Subject: CAD CAM LAB	No. of Days/week Class Allotted: 60	No of weeks: 18
week	Class Day	Practical Topics
1 st	1 st	INTRODUCTION
	2 nd	Part modelling, Datum plane, Datum plane; constraint
2 nd	1 st	dimensioning; extrude; revolve; sweep;protrusion;extrusion; rib;shell;hole;round;chamfer;copy; mirror;assembly;align;orient.
	2 nd	mirror;assembly;align;orient.
3 rd	1 st	2D Drawings of Rectangle,
	2 nd	2D Drawings of circle
4 th	1 st	2D Drawings of polygon
	2 nd	Dimensioning of Rectangle
5 th	1 st	Dimensioning of circle
	2 nd	Dimensioning of polygon
6 th	1 st	dimensioning3DDrawings of; 1.Gib and cutter joint
	2 nd	Practice gib and cutter joint
7 th	1 st	3d drawing of Screw jack
	2 nd	Practice 3d drawing of Screw Jack
8 th	1 st	3d drawing BearingBlock.
	2 nd	Practice Bearing block
9 th	1 st	3d drawing of connecting Rod
	2 nd	Practice 3d drawing of connecting Rod
10 th	1 st	CNCProgrammingandMachining Introduction
	2 nd	Studyof CNClathe
11 th	1 st	Studyof Cnc milling
	2 nd	Study of international codes; G-Codes and M code

12 th	1 st	Format–Dimensioning methods
	2 nd	Programme writing
13 th	1 st	Turning Simulator is practice-commands
	2 nd	Milling simulator IS practice-commands
14 th	1 st	Editingthe programmein theCNC MACHINES
	2 nd	ExecutetheprogrammeintheCNCmachines
15 th	1 st	3d drawing NUT
	2 nd	3D drawing bolt
16 th	1 st	Revision 1
	2 nd	Revision 2
17 th	1 st	Revision 3
	2 nd	Revision 4
18 th	1 st	Revision 5
	2 nd	Revision 6