

<b>Discipline: Mechanical Engineering</b>	<b>Semester : 5<sup>th</sup> Semester- 202122</b>	<b>Name of the Teaching Faculty: ARUN KUMAR SAHU</b>
<b>Subject: CAD CAM LAB</b>	<b>No. of Days/week Class Allotted: 60</b>	<b>Semester from date: 01/09 /2020 to date: 19/03 /2021 No of weeks: 18</b>
<b>week</b>	<b>Class Day</b>	<b>Practical Topics</b>
1 <sup>st</sup>	1 <sup>st</sup>	INTRODUCTION
	2 <sup>nd</sup>	Part modelling, Datum plane, Datum plane; constraint
2 <sup>nd</sup>	1 <sup>st</sup>	dimensioning; extrude; revolve; sweep;protrusion;extrusion; rib;shell;hole;round;chamfer;copy; mirror;assembly;align;orient.
	2 <sup>nd</sup>	mirror;assembly;align;orient.
3 <sup>rd</sup>	1 <sup>st</sup>	2D Drawings of Rectangle,
	2 <sup>nd</sup>	2D Drawings of circle
4 <sup>th</sup>	1 <sup>st</sup>	2D Drawings of polygon
	2 <sup>nd</sup>	Dimensioning of Rectangle
5 <sup>th</sup>	1 <sup>st</sup>	Dimensioning of circle
	2 <sup>nd</sup>	Dimensioning of polygon
6 <sup>th</sup>	1 <sup>st</sup>	dimensioning3DDrawings of; 1.Gib and cutter joint
	2 <sup>nd</sup>	Practice gib and cutter joint
7 <sup>th</sup>	1 <sup>st</sup>	3d drawing of Screw jack
	2 <sup>nd</sup>	Practice 3d drawing of Screw Jack
8 <sup>th</sup>	1 <sup>st</sup>	3d drawing BearingBlock.
	2 <sup>nd</sup>	Practice Bearing block
9 <sup>th</sup>	1 <sup>st</sup>	3d drawing of connecting Rod
	2 <sup>nd</sup>	Practice 3d drawing of connecting Rod
10 <sup>th</sup>	1 <sup>st</sup>	CNCProgrammingandMachining Introduction
	2 <sup>nd</sup>	Studyof CNClathe
11 <sup>th</sup>	1 <sup>st</sup>	Studyof Cnc milling
	2 <sup>nd</sup>	Study of international codes; G-Codes and M code

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