GOVERNMENT POLYTECHNIC, KORAPUT

DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: MECHANICALENGG	Semester: 3RD	Name of the Teaching Faculty: **Satishkumarsahu**	
Subject: CAD/CAM LAB	No. of days/per week class allotted: **4**	Semester From date: 01/٤/23 To Date: 30/4/23	

WEEK	THEORY TOPIC
1ST	Introduction to cad/cam.
2nd	To create a rectangle by using 2D drafting.
3rd	To draw a Circle by using 2D drafting.
4th	Draw a Polygon by using 2D drafting.
5th	Dimensioning a rectangle / Circle/ Polygon.
6th	Commands essential for creating 2D drawing.
7th	To develop the part drawing of Gib&Cotter joint in the orthographic representation using Auto cad.
8TH	To develop the part drawing of Screw jack in the orthographic representation using Auto cad.
9TH	To develop the part drawing of connecting rod in the orthographic representation.
10TH	To develop the part drawing of foot step bearing in the orthographic representation using Auto cad.
11TH	Introduction to milling/ lathe machine (G-CODE , M-CODE).
12TH	Introduction to CNC LATHE.

13TH		Editing the programme in the CNC MACHINES.
14TH		Execute the programme in the CNC machines.
15TH		Print the programme and make the component in the CNC machine.
16TH		Using linear interpolation and Circular Interpolation-Create a part programme for grooving and produce component in the CNC Milling Machine.

01/08/23

Sign. Of Faculty concerned

01/8/23.

Sign. Of HOD I/C

PRINCIPAL