

CAD/CAM LAB (Pr-3) Gr A & Gr B
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GOVT. POLYTECHNIC, NAYAGARH
 5th Semester mechanical Engineering (2022-23)

SL No	Week	Day	TOPICS TO BE COVERED
1	1st	1st	Part modelling, Datum plane, Constraint, dimensioning
		2nd	extrude, revolve, Sweep, protrusion, extrusion
2	2nd	1st	rib, shell, hole, round, chamfer
		2nd	Copy, mirror, assembly, align, orient.
3	3rd	1st	2D drawing of Rectangle, Circle, polygon
		2nd	2D drawing, Dimensioning
4	4th	1st	3D Drawing of Gibs and cutter joint
		2nd	3D Drawing of Screw Jack
5	5th	1st	3D Drawing of Connecting rod
		2nd	3D Drawing of Bearing Block
6	6th	1st	print the orthographic view of 3D drawings
		2nd	Study of CNC lathe, milling
7	7th	1st	Study of International Codes; G-codes & M-codes
		2nd	format - Dimensioning method
8	8th	1st	programme writing - Turning, milling Simulator practice
		2nd	Editing the programme in the CNC machine
9	9th	1st	Execute the programme in the CNC machine
		2nd	print the programme
10	10th	1st	Make the Component in CNC machining
		2nd	Using canned cycle - Create part programme
11	11th	1st	part programme bore thread cutting
		2nd	part programme bore grooving
12	12th	1st	produce Component in CNC Turning m/c
		2nd	Using lat Linear interpolation
13	13th	1st	arc/circular Interpolation
		2nd	Create part programme for Grooving
14	14th	1st	create part programme for Grooving
		2nd	produce Component in CNC m/c
15	15th	1st	produce Component in CNC m/c
		2nd	produce Component in CNC m/c

delivered
 15/01/2024
 W/S Suptd & HOD Mech.

Ramya Roshmi Rout
 P.T.O (Mech).