LESSON PLAN
INSTITUTE OF TEXTILE TECHNOLOGY, CHOUDWAR

SUBJECT: Pr.3 CAD/CAM LAB   Periods: 4P/WEEK   **SEMESTER: 5TH**

NAME OF FACULTY: SANJAYA KUMAR NAYAK, LECT(MECH)   No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	**INTRODUCTION:**
	2nd	Part modelling, Datum plane, Constraint, dimensioning
2nd	1st	Extrude; revolve; sweep; protrusion; extrusion; rib;
	2nd	Protrusion; extrusion; rib;
3rd	1st	Shell; hole; round; chamfer;
	2nd	Copy; mirror; assembly; align; orient
4th	1st	Aassembly; align; orient.
	2nd	2D Drawings of Rectangle, circle
5th	1st	Polygon and its dimensioning
	2nd	Polygon and its dimensioning
6th	1st	2.Screw Jack;
	2nd	3.Connecting Rod;
7th	1st	4.Bearing Block.
	2nd	Printing the orthographic view from the above assembled 3Ddrawing
8th	1st	CNC Programming and Machining, **INTRODUCTION:**
	2nd	1.Study of CNC lathe, milling;
9th	1st	2.Study of international codes; G-Codes and M –Codes
	2nd	2.Study of international codes; G-Codes and M –Codes
10th	1st	3.Format –Dimensioning methods;
	2nd	3.Format –Dimensioning methods;
11th	1st	4.Programme writing –Turning Simulator-Milling simulator IS practice-commands menus
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12th	1st	5.Editing the programme in the CNC MACHINES;
	2nd	5.Editing the programme in the CNC MACHINES;
13th	1st	6.Execute the programme in the CNC machines;
	2nd	1. Print the programme and make the component in the CNC machine;
14th	1st	1. Print the programme and make the component in the CNC machine;
	2nd	2.Using canned cycle-create a part programme for thread cutting,
15th	1st	2.Using canned cycle-create a part programme for thread cutting,
	2nd	grooving and produce component in the CNC Turning Machine

Sign. of faculty