

GOVERNMENT POLYTECHNIC JAJPUR  
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**DEPARTMENT OF PRECISION MANUFACTURING ENGINEERING**  
**LESSON PLAN (2025-26)**

Discipline: PME	Semester: 3rd	Name of the Teaching faculty: Manas Kumar Mishra
Subject: CAD Lab	No of Days/Week class allotted: 2	Semester from Date: 14/07/25 To Date: 15/11/25 No of weeks: 18
Week	Class Day	Topics
1st	1st	Syllabus, Lesson plan, COs, Assessment process, Introduction to CAD
	2nd	Auto CAD software, interface, various tools.
2nd	1st	various tools in home, annotations, content, view, manage, output
	2nd	unit, limit, workspace, toggle bar, dynamic input, ortho mode.
3rd	1st	polar tracking, object snap, tool bar.
	2nd	line, polyline, arc, rotate, mirror, copy, rotate- commands
4th	1st	Array, trim, fillet, scale, stretch, move, etc- commands
	2nd	Layer, dimension, symbol, properties, ray, lines.
5th	1st	Draw various 2D drawing by choosing proper tools in the software
	2nd	Draw various 2D drawing by choosing proper tools in the software
6th	1st	Draw various fastening devices by choosing proper tools in the software
	2nd	Draw various fastening devices by choosing proper tools in the software
7th	1st	Draw various fastening devices by choosing proper tools in the software
	2nd	Draw various fastening devices by choosing proper tools in the software
8th	1st	Prepare detailed drawing of a complex component in a fast and effective manner
	2nd	Prepare detailed drawing of a complex component in a fast and effective manner
9th	1st	Implement GD&T symbols and surface finish symbols in a CAD drawing.
	2nd	Implement GD&T symbols and surface finish symbols in a CAD drawing.
10th	1st	Identify the basic concepts of 3D modelling in a software environment.
	2nd	Box, Extrude, press pull.
11th	1st	Modelling, mesh, solid editing
	2nd	Draw, modify, coordinate, view
12th	1st	Auto CAD 2D/3D modelling by students
	2nd	Auto CAD 2D/3D modelling by students
13th	1st	Auto CAD 2D/3D modelling by students
	2nd	Auto CAD 2D/3D modelling by students
14th	1st	Auto CAD 2D/3D modelling by students
	2nd	Auto CAD 2D/3D modelling by students
15th	1st	Draw models using AutoCAD.
	2nd	Draw models using AutoCAD.
16th	1st	ASSESSMENT
	2nd	Left out experiments if any

  
 Sign of Teacher