GOVERNMENT POLYTECHNIC JAJPUR

CAD/CAM LAB(4th sem)   GF-JANMEJAY SARANGI.   From- 22.12.25   To-
18.04.26

Week	Class Day	Topics
1st	1st (Gr 1) (2p)	Introduction to CAD & CAM
	1st (Gr 2) (2p)	Introduction to CAD & CAM
	2nd (Gr 1) (2p)	Fundamental of CAD
	2nd (Gr 2) (2p)	Fundamental of CAD
2nd	1st (Gr 1) (2p)	Setting units, sheet size, limits etc.
	1st (Gr 2) (2p)	Setting units, sheet size, limits etc.
	2nd (Gr 1) (2p)	2D Drafting: AutoCAD Software overview
	2nd (Gr 2) (2p)	2D Drafting: AutoCAD Software overview
3rd	1st (Gr 1) (2p)	Use of draw tool bar
	1st (Gr 2) (2p)	Use of draw tool bar
	2nd (Gr 1) (2p)	Use of modify tool bar
	2nd (Gr 2) (2p)	Use of modify tool bar
4th	1st (Gr 1) (2p)	Create rectangle, circle, polygon
	1st (Gr 2) (2p)	Create rectangle, circle, polygon
	2nd (Gr 1) (2p)	Various methods to draw circle
	2nd (Gr 2) (2p)	Various methods to draw circle
5th	1st (Gr 1) (2p)	Various methods to draw rectangle
	1st (Gr 2) (2p)	Various methods to draw rectangle
	2nd (Gr 1) (2p)	Drawing circle by two point method
	2nd (Gr 2) (2p)	Drawing circle by two point method
6th	1st (Gr 1) (2p)	Drawing circle by three point method
	1st (Gr 2) (2p)	Drawing circle by three point method
	2nd (Gr 1) (2p)	Drawing circle by TAN TAN radius method
	2nd (Gr 2) (2p)	Drawing circle by TAN TAN radius method
7th	1st (Gr 1) (2p)	Drawing of pentagon, hexagon, octagon etc

	1st (Gr 2) (2p)	Drawing of pentagon, hexagon, octagon etc
	2nd (Gr 1) (2p)	Different methods of dimensioning
	2nd (Gr 2) (2p)	Different methods of dimensioning
8th	1st (Gr 1) (2p)	Editing of polygon
	1st (Gr 2) (2p)	Editing of polygon
	2nd (Gr 1) (2p)	Commands essential for creating 2D drawing
	2nd (Gr 2) (2p)	Commands essential for creating 2D drawing
9th	1st (Gr 1) (2p)	Different methods of dimensioning
	1st (Gr 2) (2p)	Different methods of dimensioning
	2nd (Gr 1) (2p)	Trim, extend, hatching, explode, region etc
	2nd (Gr 2) (2p)	Trim, extend, hatching, explode, region etc
10th	1st (Gr 1) (2p)	Create various drawing views of 3D parts
	1st (Gr 2) (2p)	Create various drawing views of 3D parts
	2nd (Gr 1) (2p)	3D drafting, use of UCS & WCS
	2nd (Gr 2) (2p)	3D drafting, use of UCS & WCS
11th	1st (Gr 1) (2p)	Extrude face/plane to get 3D views
	1st (Gr 2) (2p)	Extrude face/plane to get 3D views
	2nd (Gr 1) (2p)	3D drawing of Gib and cutter joint
	2nd (Gr 2) (2p)	3D drawing of Gib and cutter joint
12th	1st (Gr 1) (2p)	3D drawing of Screw Jack
	1st (Gr 2) (2p)	3D drawing of Screw Jack
	2nd (Gr 1) (2p)	3D drawing of Connecting Rod
	2nd (Gr 2) (2p)	3D drawing of Connecting Rod
13th	1st (Gr 1) (2p)	3D drawing of Bearing Block
	1st (Gr 2) (2p)	3D drawing of Bearing Block
	2nd (Gr 1) (2p)	Study of CNC Lathe & Milling (G & M code)
	2nd (Gr 2) (2p)	Study of CNC Lathe & Milling (G & M code)
14th	1st (Gr 1) (2p)	Format, dimensioning, turning simulator
	1st (Gr 2) (2p)	Format, dimensioning, milling simulator
	2nd (Gr 1) (2p)	Editing programme in CNC machines

	2nd (Gr 2) (2p)	Editing programme in CNC machines
15th	1st (Gr 1) (2p)	Execute programme in CNC machines
	1st (Gr 2) (2p)	Execute programme in CNC machines
	2nd (Gr 1) (2p)	Review, sessional record checking
	2nd (Gr 2) (2p)	Review, sessional record checking

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