

GOVT. POLYTECHNIC MAYURBHANJ

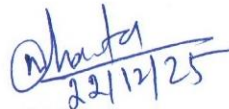
ACADEMIC SESSION-2025-26

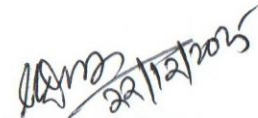
LESSON PLAN

Discipline : Mechanical Engg.		Semester: 4th Sem	Name of the Teaching Faculty : Mihir Mohanta
SUBJECT- Computer Integrated Manufacturing		No. of Days / per week class allotted : 03	Semester From date : 22.12.2025 To Date : 18.04.2026
MONTH	Week	Day	Topics
DECEMBER	4TH	1ST	Concept of Computer Integrated Manufacturing (CIM); Introduction of Computer Integrated Manufacturing
		2ND	
	5TH	1ST	Distributed database system; distributed communication system, computer networks for manufacturing; future automated factory social and economic factors.
		2ND	
JANUARY	1ST	1ST	
	2ND	1ST	Revision
		4TH	Computer Aided Design (CAD): CAD hardware and software of CAD
	3RD	2ND	Product modelling,
		3RD	Automatic drafting;
FEBRUARY	1ST	1ST	Engineering analysis; FEM design review and evaluation;
		2ND	Engineering analysis; FEM design review and evaluation;
		4TH	Engineering analysis; FEM design review and evaluation;
	2ND	1ST	Group Technology Centre.
		2ND	Group Technology Centre.
		4TH	Revision
	3RD	1ST	Computer Aided Manufacturing (CAM): Introduction of Computer Aided Manufacturing
		2ND	Computer assisted NC part programming for plain turning
		4TH	Computer assisted NC part programming for plain turning
	4TH	1ST	Computer assisted NC part programming for Step turning
		2ND	Computer assisted NC part programming for Step turning
		4TH	computer aided process planning (CAPP)
	1ST	2ND	computer aided process planning (CAPP)
3RD		computer aided material requirements planning (MRP)	
1ST		Revision	
2ND	2ND	Computer aided production scheduling :Introduction to Computer aided production scheduling	

MARCH	3RD	4TH	computer aided inspection planning
		1ST	computer aided inventory planning,
		2ND	Flexible manufacturing system (FMS); concept of flexible manufacturing.
		3RD	Revision
	4TH	1ST	Integrating NC machines: Robots
		2ND	AGVs, and other NC equipment
		4TH	Computer aided quality control;
APRIL	1ST	4TH	Computer aided business functions
	2ND	1ST	computer aided forecasting
		2ND	Computer aided office automation
		4TH	Revision
	3RD	1ST	Revision
		4TH	Revision


 HOD, Mechanical
 Govt. Polytechnic Mayurbhanj


 Subject Expert
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 Academic Co-Ordinator
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