

GOVERNMENT POLYTECHNIC JAIPUR

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DEPARTMENT OF MECHANICAL ENGINEERING (2025-2026)

LESSON PLAN

Discipline: MECHANICAL	Semester: 6TH SEMESTER	Name of the Teaching faculty: JANMEJAY SARANGI
Subject: COMPUTER INTEGRATED MANUFACTURING	No of Days /Week class alloted:	Semester from Date: 22/12/2025 No of weeks: 15 To Date: 18/04/2026
Sl No.	Topic	Subtopic
1	1st	Concept of (CIM);(Chapter-1)-Introduction
	2nd	Basic components of CIM
	3rd	Distributed database system
2	1st	Distributed communication system
	2nd	Computer networks for manufacturing
	3rd	Future automated factory and socio-economic factors
3	1st	Chapter-2-CAD: Introduction
	2nd	CAD hardware and software
	3rd	Product modelling
4	1st	Automatic drafting,engineering analysis
	2nd	FEM design review and evaluation,Group Technology Centre
	3rd	Revision of chapter 1 and 2
5	1st	Class test-1
	2nd	Chapter-3(CAM)-Introduction
	3rd	Computer assisted NC part programming for plain turning and step turning
6	1st	Computer assisted robot programming
	2nd	Computer aided process planning (CAPP)
	3rd	Computer aided material requirements planning (MRP)
7	1st	Revision of chapter-3
	2nd	Chapter-4:Computer aided production scheduling
	3rd	Computer aided inspection planning
	1st	Computer aided inventory planning

8	2nd	Flexible manufacturing system (FMS)
	3rd	Concept of flexible manufacturing
9	1st	Revision
	2nd	Revision
	3rd	Class test-2
10	1st	Chapter-5: Integrating NC machines
	2nd	Discussion about Robots
	3rd	Discussion about AGVs
11	1st	Other NC equipments
	2nd	Computer aided quality control
	3rd	Revision
12	1st	Discussion about business functions
	2nd	Discussion about business functions
	3rd	Discussion about computer aided forecasting
13	1st	Discussion about computer aided forecasting
	2nd	Question answer discussion
	3rd	Office automation
14	1st	Revision of chapter-1
	2nd	Revision of chapter-2
	3rd	Revision of chapter-3
15	1st	Revision of chapter-4
	2nd	Chapter 5 revision
	3rd	Question answer discussion

Jannajay Savang
signature of faculty