## Department of Mechanical Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad

## Lecture Plan

Session – 2021-22 (Winter Semester)	L	T	P
	3	1	0

Subject: Computer Aided Manufacturing Systems (MCC-18101)

Qz-1 13% Qz-II 13%

<del>Qz-IV 13%</del>

QZ-V 13%

Mid-term exam (offline): 26% End term exam-48%

Sl. No.	TOPIC	Lecture
1.	Introduction to Automation and mechanization; elements of an automat system, level of automation	8
2.	Numerical Control of machine tools, diffeypesof controls, point to point, continuous path, digital and analog control, absolute and relative, NC system devices,	12
3.	Computer numerical control (CND) ect numerical control (DNA) aptive control of manufacturing processies, ible manufacturing system, computer integrated manufacturing	12
4.	Computerprocess interfact@CpartprogrammingAPT	6
5.	Introduction tMS, CIM, Robotics, AGV, CMM	6
6.	Computer aidematerialtransport and storage sysimechudingindustrial robots, AGVadditivemanufacturigprocess	8
39 lectures and 13 tutorials total 52 contact hrs		

(VIVEK BAJPAI)
Asst. Prof. / Mechanical Engg.