

LESSON PLAN

Subject Name-Automation & Numerical Control Machines	Branch- Production Engineering
Subject Code- BPE 2701	Semester- 7th

S/N	Module	Topic(s)	Period/ Hours
1.	I	Introduction	1
2.	I	Functions in manufacturing	2-3
3.	I	Automation strategies	4
4.	I	Transfer mechanisms	5-6
5.	I	Line balancing	7-9
6.	I	Tutorial	10
7.	II	Fundamentals of CAD	11-13
8.	II	Creating manufacturing database	14
9.	II	Design workstation	15
10.	II	Tutorial	16-18
11.	III	Numerical control	19
12.	III	NC part programming – Manual part programming	20-23
13.	III	NC part programming using CAD & CAM	24
14.	III	Computer control in NC	25-27
15.	III	Tutorial	28

S/N	Module	Topic(s)	Period/ Hours
16.	IV	Automated material handling	29-31
17.	IV	Conveyor system	32
18.	IV	Group technology cell formation	33-36
19.	IV	Computer Aided Process Planning	37-39
20.	IV	Tutorial	40