

ANDHRA LOYOLAINSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTUK)
(An ISO 9001:2008 Certified Institution)

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN

Academic Year: 2019-20

Year/Sem : IV B.Tech II sem.

Subject: Production Planning and Control

Faculty: T.SUBBA REDDY

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Unit	Topic	No. of classes	No. of classes	Dates
I	Introduction: Definition – objectives	12	2	18-11-19 TO 30-11-19
	functions of production planning and Control		2	
	Elements of production control		2	
	Types of production		2	
	Organization of production planning and Control department		2	
	Internal Organization of department.		2	
II	Forecasting – importance of forecasting	14	2	02-12-19 TO 17-12-19
	Types of forecasting, their uses		3	
	General principles of forecasting – forecasting techniques		4	
	Qualitative methods and Quantitative Methods		5	
III	Inventory management – functions of inventories	16	2	19-12-19 TO 08-01-20
	Relevant inventory costs - ABC analysis		2	
	VED analysis - EOQ model		2	
	Inventory control systems		2	
	P–Systems and Q-Systems.		1	
	Introduction to MRP I		1	
	MRP II , ERP		2	
	LOB (Line of Balance),		2	

	JIT system		1	
	KANBAN system		1	
IV	Routing- Definition - routing procedure	8	2	27-1-20
	Route sheets – bill of material		2	TO
	Factors affecting routing procedure,		2	04-2-20
	Schedule –definition – difference with Loading		2	
V	Scheduling policies	14	2	06-02-20 TO 27-02-20
	Scheduling techniques		2	
	Standard scheduling methods		2	
	Line balancing		2	
	Aggregate planning		2	
	Chase planning		2	
	Expediting		1	
	controlling aspects		1	
VI	Dispatching – activities of dispatcher	11	3	28-2-20 TO 14-3-20
	Dispatching procedure – follow up – definition		2	
	Reason for existence of functions		3	
	Types of follow up		2	
	Applications of computer in production planning		1	
	RIVISION	6		16-03-20 TO 21-3-20
	Total No. of Classes		81	

TEXT BOOKS:

1. Elements of Production Planning and Control / Samuel Eilon.
2. Manufacturing, Planning and Control, Partik Johnson Stig-Arne Matson, Tata Mc Graw Hill.

REFERENCES:

1. Inventory Control Theory and Practice / Martin K. Starr and David W. Miller.
2. Production Planning and Control, Mukhopadyay, PHI.

3. Production Control A Quantitative Approach / John E. Biegel.
4. Production Control / Moore

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