

Discipline	Semester	Name of the teaching faculty	
Mechanical	6 th	S. K. Var	
Subject	No of days per week	Semester start	
IEM	4	10/03/22	
		Semester end - 30/06/22	
		No of weeks: 15	
Month	Week	class day	Theory
Mar	2 nd	1 st	Introduction, What is plant.
		2 nd	Selection site of industry & define plant layout.
		3 rd	Principle of plant layout.
	3 rd	1 st	Process layout, Product layout & combination layout.
		2 nd	Technique to improve layout.
		3 rd	Principle of material handling equipment.
	4 th	2 nd	Plant Maintenance.
		1 st	Improve plant maintenance.
		2 nd	Importance of plant maintenance.
		3 rd	Breakdown Maintenance.
		4 th	Scheduled Maintenance.
			Predictive Maintenance.

April.	1 st	1 st	Introduction to operation Research & its application
		2 nd	Define L.P.P
	2 nd	1 st	Solution of L.P.P by Graphical Method.
		2 nd	Evaluation of project completion by C.P.M
		3 rd	- do -
		4 th	- Problem
	3 rd	1 st	- P.E.R.T
		2 nd	- CPM
		3 rd	- Diff between cpm & pert.
		4 th	- Inventory Control
	4 th	1 st	- Classification of inventory control.
		2 nd	- objective of inventory control.
		3 rd	- Function of inventories.
		4 th	- Benefit of inventory control.

	6 th	1 st	Cost associated with inventory
		2 nd	Terminology in Inventory Control.
		3 rd	Explain & Derive EOQ
May	1 st	1 st	Problem.
		2 nd	Define & explain ABC analysis.
		3 rd	Define inspection & quality control.
		4 th	Describe planning of inspection.
	2 nd	1 st	Advantage & disadvantage of quality control.
		2 nd	Study of factor influencing the quality of manufacture.
		3 rd	Explain the concept of Statistical quality control. (x, R, P & c-chart).
		4 th	Method of attributes.
	3 rd	1 st	Concept of ISO 9001-2001
		2 nd	do

		3 rd	- Quality management system Registration
	4 th	1 st	- Certification procedure.
		2 nd	- Benefit of ISO to the organization.
		3 rd	- JIT, Six Sigma
		4 th	- 7S. lean manufacturing.
	5 th	1 st	- Problems
June	1 st	1 st	Introduction : Production Planning & control.
		2 nd	- Major function of production Planning & control.
		3 rd	Method of forecasting
		4 th	- do -
	2 nd .	1 st	Routing
		2 nd .	Scheduling.
		3 rd	Scheduling.
		4 th	Dispatching.
	3 rd	1 st	Controlling

		2nd	Types of production
		3rd	- do -
4 th		1 st	Mass production
		2nd	Batch production
		3rd	Job order production
		4th	Principle of product & process planning.
5 th		1 st	Revision
		2nd	Revision