

Discipline : Mechanical engg.	Semester : 6th	Name of The Teaching Faculty : Er.Sankar Prasad pradhan
Subject IEM	No Of Days/Week Class Allotted 05	Semester From : 16.01.2024 To 26.04.2024
		No. Of Weeks : 15
WEEKS	CLASS DAY	THEORY
16.01.2024 TO 20.01.2024	1 ST	PLANT ENGINEERING DEFINATION
	2 ND	Selection of Site of Industry
	3 RD	Define plant layout, Describe the objective of plant layout
	4 TH	principle of plant layout
22.01.2024 TO 27.01.2024	1 ST	Explain Process Layout
	2 ND	NETAJI SUBASH CHANDRA BOSE JAYANTI
	3 RD	Product Layout
	4 TH	Combination Layout
	5 TH	Techniques to improve layout
29.01.2024 TO 03.02.2024	1 ST	Principles of material handling equipment
	2 ND	Plant maintenance
	3 RD	Importance of plant maintenance
	4 TH	Break down maintenance
	5 TH	Preventive maintenance.
05.02.2024 TO 10.02.2024	1 ST	Scheduled maintenance
	2 ND	Revision on previous chapter
	3 RD	Revision on previous chapter
	4 TH	—Preventive maintenance explain with question
	5 TH	OPERATIONS RESEARCH Defination
12.02.2024 TO 17.02.2024	1 st t	Introduction to Operations Research
	2 nd	SARASWATI PUJA(VASANTA PANCHAMI)
	3 rd	Operations Research and its applications.
	4 th	Define Linear Programming
	5 th	Define Linear Programming Problem
19.02.2024 TO 24.02.2024	1 st	Solution of L.P.P. by graphical method
	2 nd	Evaluation of Project completion time by Critical Path Method
	3 rd	Solve numerical on CPM method
	4 th	Solve numerical on cpm method
	5 th	PERT
26.02.2024 TO 02.03.2024	1 st	Solve numerical on PERT method
	2 ND	Solve numerical on PERT method
	3 rd	Explain distinct features of PERT with respect to CPM
	4 th	Introduction to INVENTORY CONTROL
	5 th	Classification of inventory
04.03.2024 TO 09.03.2024	1 st	PANCHAYAT RAJ DIVAS
	2 nd	Objective of inventory control.
	3 rd	Describe the functions of inventories
	4 th	MAHA SIVA RATRI
	5 th	Benefits of inventory control.
11.03.2024		
	1 st	Costs associated with inventory

TO 16.03.2024	2 ND	Terminology in inventory control
	3 RD	Explain and Derive economic order quantity for Basic model
	4 TH	Solve numerical on EOQ
	5 TH	Define Inspection and Quality control
18.03.2024 TO 23.03.2024	1 ST	Describe planning of inspection
	2 ND	Describe types of inspection
	3 RD	Advantages and disadvantages of quality control.
	4 TH	Study of factors influencing the quality of manufacture
	5 TH	Explain the Concept of statistical quality control, Control charts (X, R, P and C - charts).
25.03.2024 TO 30.03.2024	1 ST	DOLO PURNIMA
	2 ND	HOLI
	3 RD	Methods of attributes.
	4 TH	Concept of ISO 9001-2008
	5 TH	Quality management system, Registration /certification procedure
01.04.2024 TO 06.04.2024	1 ST	UTKAL DIVAS
	2 ND	Benefits of ISO to the organization
	3 RD	JIT, Six sigma, 7S,
	4 TH	Lean manufacturing
	5 TH	Solve related problems
08.04.2024 TO 13.04.2024	1 ST	PRODUCTION PLANNING AND CONTROL
	2 ND	Major functions of production planning and control
	3 RD	Methods of forecasting
	4 TH	Routing
	5 TH	Scheduling
15.04.2024 TO 20.04.2024	1 ST	Dispatching
	2 ND	Controlling
	3 RD	RAM NAVAMI
	4 TH	Types of production
	5 TH	Mass production
22.04.2024 TO 27.04.2024	1 ST	Batch production
	2 ND	Job order production
	3 RD	Principles of product and process planning
		CLOSING OF ATTENDANCE