

Lesson Plan

Subject: IE&M(Th -1)

Name of faculty: SATYABRATA KHILAR

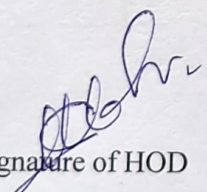
Semester: 6TH

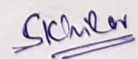
Class allotted: 4p/week

Branch: Mechanical

Session: 2024(S)

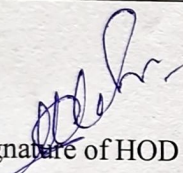
Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical –Topics/Lesson		
Week	Date/Period			
1	16/01/2024	PLANT ENGINEERING: Selection of Site of Industry., Define plant layout. Describe the objective and principles of plant layout.		White Board Marker Smart board
	TO 20/01/2024			
2	22/01/2024	Explain Process Layout Product Layout Combination Layout. Combination Layout..		White Board Marker Smart board
	TO 27/01/2024			
3	29/02/2024	Principles of material handling equipment. Plant maintenance. Importance of plant maintenance Break down maintenance.		White Board Marker Smart board
	TO 03/02/2024			
4	05/02/2024	Preventive maintenance Scheduled maintenance Operations research Introduction to Operations Research and its applications		White Board Marker Smart board
	TO 10/02/2024			

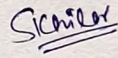

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Week	Date/Period	Theory/ Practical –Topics/Lesson	Teaching Aid
5	12/02/2024 TO 17/02/2024	Define Linear Programming Solution of L.P.P. by graphical method Numerical problem Numerical problem.	White Board Marker Smart board
6	19/02/2024 TO 24/02/2024	Evaluation of Project completion time by Critical Path Method PERT (Simple problems) Simple problems Simple problems.	White Board Marker Smart board
7	26/02/2024 TO 02/03/2024	Explain distinct features of PERT with respect to CPM Inventory control Classification of inventory. Objective of inventory control	Marker White Board
8	04/03/2024 TO 09/03/2024	Describe the functions of inventories. Benefits of inventory control. Costs associated with inventory. Explain and Derive economic order quantity for Basic model. (Solve numerical)	White Board Marker Smart board
9	11/03/2024 TO 16/03/2024	Inspection and quality control: Define Inspection and Quality control. Describe planning of inspection. Describe types of inspection	White Board Marker Smart board
10	18/03/2024 TO 23/03/2024	Advantages and disadvantages of quality control Study of factors influencing the quality of manufacture Explain the Concept of statistical quality control, Control charts (X, R, P and C - charts Methods of attributes	Marker White Board Smart board
11	27/03/2024 TO 30/03/2024	Concept of ISO 9001-2008, Quality management system, Registration /certification procedure Benefits of ISO to the organization. JIT, Six sigma, 7S, Lean manufacturing	White Board Marker Smart board

12	02/04/2024 TO 06/04/2024	Solve related problems. Solve related problems. Solve related problems Solve related problems...	Marker White Board Smart board
13.	08/04/2024 TO 13/04/2024	Production planning and control Introduction Major functions of production planning and control Methods of forecasting	White Board Marker Smart board
14	15/04/2024 TO 20/04/2024	Routing , Scheduling , Dispatching, Controlling Mass production Batch production Job order production	White Board Marker Smart board
15	22/ 04/2024 TO 26/04/2024	Revision	White Board Marker Smart board


Signature of HOD


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