

Lesson Plan

Subject: IE&M(Th -1)


Name of faculty: Er.SATYABRATA KHILAR

Semester: 6TH Class allotted: 4p/week

Branch: Mechanical

Session: 2025(S)

Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical –Topics/Lesson		
Week	Date/Period			
1	04/02/2025 TO 08/02/2025	1. PLANT ENGINEERING: Selection of Site of Industry. Define plant layout. Describe the objective and principles of plant layout.		White Board Marker Smart board
2	10/02/2025 TO 15/02/2025	Explain Process Layout Product Layout Combination Layout. Combination Layout.		White Board Marker Smart board
3	17/02/2025 TO 22/02/2025	Principles of material handling equipment. Plant maintenance. Importance of plant maintenance Break down maintenance.		White Board Marker Smart board
4	24/02/2025 TO 01/03/2025	Preventive maintenance Scheduled maintenance 2. OPERATIONS RESEARCH: Introduction to Operations Research and its applications.		White Board Marker Smart board
5	03/03/2025 TO 08/03/2025	Define Linear Programming Solution of L.P.P. by graphical method ✚ Numerical problem ✚ Numerical problem.		White Board Marker Smart board
6	10/03/2025 TO 15/03/2025	Evaluation of Project completion time by Critical Path Method PERT ✚ Simple problems ✚ Simple problems		White Board Marker Smart board
7	17/03/2025 TO 22/03/2025	Explain distinct features of PERT with respect to CPM 3. INVENTORY CONTROL: Classification of inventory. Objective of inventory control		White Board Marker Smart board


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8	24/03/2025 TO 29/03/2025	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	31/03/2025 TO 05/04/2025	4. INSPECTION AND QUALITY CONTROL: Define Inspection and Quality control. Describe planning of inspection. Describe types of inspection INTERNAL ASSESMENT TEST	White Board Marker Smart board
10	07/04/2025 TO 12/04/2025	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	14/04/2025 TO 19/04/2025	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	21/04/2025 TO 26/04/2025	<ul style="list-style-type: none"> ✚ Solve related problems. ✚ Solve related problems. ✚ Solve related problems. ✚ Solve related problems. 	Marker White Board Smart board
13	28/04/2025 TO 03/05/2025	5.0 PRODUCTION PLANNING AND CONTROL Introduction Major functions of production planning and control Methods of forecasting	White Board Marker Smart board
14	05/05/2025 TO 10/05/2025	Routing, Scheduling, Dispatching, Controlling Mass production Batch production Job order production	White Board Marker Smart board
15	12/05/2025 TO 17/05/2025	Revision Revision Revision	White Board Marker Smart board


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