



TRADE MARK

LIONTM

Teacher's Lesson Note

2023-24

MECHANICAL ENGINEERING

6th SEMESTER

UTTAM KUMAR NAIR

IE & M



TECHNICS

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
5/02/24	1st	1st	Manufacturing Technology	plant Engineering		Selection of site of industry	
12/02/24	2nd	2nd				Define plant layout	
19/02/24	3rd	3rd				Describe the objective & Principles of plant layout	
26/02/24	4th	4th				Revision	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Discussion about Industrial Management		<i>[Signature]</i>	<i>[Signature]</i>	
	Discussion about Plant layout		<i>[Signature]</i>	<i>[Signature]</i>	
	Principles of Plant layout		<i>[Signature]</i>	<i>[Signature]</i>	
	Revision		<i>[Signature]</i>	<i>[Signature]</i>	

TEACHING

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
13/03/21	1st	1st	1st	plant Engineering		Explain process layout, prelayout layout & combination layout	
14/03/21		1st				Techniques to improve layout	
15/03/21		1st				Principles of material handling equipment	
15/03/21		1st				Plant Maintenance	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Process layout & combination layout		13/03/21	13/03/21	
	Techniques to improve layout		14/03/21	14/03/21	
	Material handling equipment		15/03/21	15/03/21	
	Plant Maintenance		15/03/21	15/03/21	

TEACHERS

LESSON NOTE

1	2	3	4	5	6	7	8
Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities (to be taken up)	TLM (to be used)	
18/3/24	11 th	11 th	plant engineering		Importance of Plant Maintenance		
18/3/24	11 th	11 th			Break down Maintenance		
18/3/24	11 th	11 th			Preventive Maintenance		
19/3/24	11 th	11 th			Revision		

9	10	11	12	13	14
Exercises/Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	
	Imp of Plant Maintenance		<i>[Signature]</i> 18/3/24		
	Break down Maintenance		<i>[Signature]</i> 18/3/24		
	Preventive Maintenance		<i>[Signature]</i> 18/3/24		
	Revision class		<i>[Signature]</i> 19/3/24		

TEACHING

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
19/3/24	4th week 1st	2nd	IE & N	Plant Engineering		Scheduled Maintenance	
20/3/24		2nd		operation research		Introduction to operation research & its application	
21/3/24		4th				Define Linear programming problem	
						Solution of LPP by graphical Method	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Scheduled Maintenance		<i>[Signature]</i>	<i>[Signature]</i>	
	Introduction to operation Research & its application		<i>[Signature]</i>	<i>[Signature]</i>	
	Define Linear programming problems		<i>[Signature]</i>	<i>[Signature]</i>	
	Soln of LPP by graphical Method		<i>[Signature]</i>	<i>[Signature]</i>	

TEACHERS

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
21/8/24	5th Week	Art	* N P	operations research		Evaluation of project completion time by CPM & PERT	
21/8/24						Explain distinct feature of PERT	
22/8/24						Problem solve in PERT	
22/8/24						Problem solve in CPM	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Evaluation of project completion time by CPM & PERT		21/8/24	21/8/24	
	Explain distinct feature of PERT		21/8/24	21/8/24	
	Problem solve on PERT		21/8/24	21/8/24	
	Problem solve on CPM		21/8/24	21/8/24	

HEADERS

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
28/3/24	6th	1st	5th	Inventory control		Classification of inventory	
28/3/24	6th	1st	5th			Object of inventory control	
28/3/24	6th	1st	5th			Function of inventory	
28/3/24	6th	1st	5th			Discussion of inventory control	

LESSON NOTE

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Classification of Inventory		28/3/24	28/3/24	
	Object of Inventory Control		28/3/24	28/3/24	
	Function of Inventory & Discussion of Inventory control		28/3/24	28/3/24	

TEACHERS

LESSON NOTE

Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
2/4/24	7 th week	2 nd	IEG			Benefits of Inventory control	
2/4/24	8 th					Cost associated with Inventory	
2/4/24	8 th					Terminology of Inventory control	
9/4/24	4 th					Revision	

Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
9	10	11	12	13	14
	Benefits of Inventory control		<i>[Signature]</i> 2/4/24		
	Cost associated with Inventory control		<i>[Signature]</i> 2/4/24		
	Terminology of Inventory control		<i>[Signature]</i> 2/4/24		
	Revision classes		<i>[Signature]</i> 9/4/24		

TEACHERS

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
9/4/24	Week 8th	3rd				Derive economic order model	
9/4/24		3rd				Define Analysis	
9/4/24		3rd				Discussion of ABC Analysis	
12/4/24		4th				Revision	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
	Derive Economic Order Per Basic Model		9/4/24		
	Define Analysis		9/4/24		
	Discussion of ABC Analysis		9/4/24		
	Revisdon class		12/4/24		

TEACHERS

Sl. No.	Topic	Sub-Topic	Learning Activities to be used in	TLM to be used
1	12/4/21	Defect	Inspection	
2	12/4/21	Defect	Inspection	
3	12/4/21	Defect	Inspection	
4	12/4/21	Defect	Inspection	
5	12/4/21	Defect	Inspection	
6	12/4/21	Defect	Inspection	
7	12/4/21	Defect	Inspection	
8	12/4/21	Defect	Inspection	
9	12/4/21	Defect	Inspection	
10	12/4/21	Defect	Inspection	

LESSON NOTE

Sl. No.	Topic	Sub-Topic	Learning Activities to be used in	TLM to be used
1	12/4/21	Defect	Inspection	
2	12/4/21	Defect	Inspection	
3	12/4/21	Defect	Inspection	
4	12/4/21	Defect	Inspection	
5	12/4/21	Defect	Inspection	
6	12/4/21	Defect	Inspection	
7	12/4/21	Defect	Inspection	
8	12/4/21	Defect	Inspection	
9	12/4/21	Defect	Inspection	
10	12/4/21	Defect	Inspection	

HEADLINE

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
	10 th week 1st					Advantages & Disadvantages of Quality control	
						Influencing Quality	
						T.R.D.Y. chart	
						Revision	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks

LESSON NO. 15

	Expected Outcome	Expected learning outcome	Project work to be assigned	Exercises at the lecture	Symptoms of the disease	Treatment
9						
10						
11						
12						
13						
14						

TEACHERS

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
	6:45 to 7:15					Benefits of ISO	
	7:15 to 7:45					JIT, Six Sigma	
	7:45 to 8:15					Lean Manufacturing	
	8:15 to 8:45					Solve related problems	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks

TEACHERS

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
	13th	14				Production Planning	
						Introduction of Planning of control	
						Method of Forecasting	
						Revision	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks

TEACHER

LESSON NOTE

1	2	3	4	5	6	7	8
Date	Period	Class	Subject	Topic (Concept)	Sub-Topic (Sub-Concept)	Learning Activities to be taken up	TLM to be used
	14th week	1st				Routing	
						scheduling	
						Dispatching	
						controlling	

9	10	11	12	13	14
Evaluative Questions	Expected learning outcome	Project work to be assigned	Signature of the Teacher	Signature of the Headmaster	Remarks
What is routing?	to define routing.				
What is scheduling?	to define scheduling.				
What is dispatching?	to define dispatching.				
What is controlling?	to define controlling.				

LESSON NOTE

[illegible]