PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



<u>LESSON PLAN</u> Session-2023-2024

Discipline:	Meelan	Enga	Engg.	Semest	er: <u>6th</u>
Subject:	Including	Ey	neen	& Mana	gerf
Name of th	ne Teaching Fa	culty:	Sami	Krener	molacha

Subject:	JEM
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Semester From Date : 16-01-2024

Week	Class Day	Theory /Practical Topics
01	01	Selection of Site of Industry. Define plant layout.
	02	Describe the objective and principles of plant layout.
	03	Explain Process Layout,
	04	Product Layout and Combination Layout.
1	01	Techniques to improve layout.
	02	Principles of material handling equipment.
	03	Plant maintenance.
	04	Importance of plant maintenance.
	01	Break down maintenance.
	02	Preventive maintenance.
	03	Scheduled maintenance.
	04	5Explain distinct features of PERT with respect to CPM.

Signature of the Faculty

Semester From Date :<u>16-01-2024</u> To Date :<u>26-04-2024</u> No. of Weeks : _/ __

Week	Class Day	Theory /Practical Topics
04	01	Introduction to Operations Research and its applications.
	02	Define Linear Programming Problem,
	03	3Solution of L.P.P. by graphical method.
	04	Evaluation of Project completion time by Critical Path Method and PERT (Simple problems)
05	01	Classification of inventory.
	02	Objective of inventory control.
	03	Describe the functions of inventories.
	04	Benefits of inventory control.
06	01	Costs associated with inventory.
	02	Terminology in inventory control.
	03	Define and Explain ABC analysis.
	04	Explain and Derive economic order quantity for Basic model. (Solve numerical)

Semester From Date : 16-01-2024 To Date : 26-04-2024

No. of Weeks : 12

Week	Class Day	Theory /Practical Topics
07	01	Define Inspection and Quality control.
	02	Describe planning of inspection.
	03	Describe types of inspection.
	04	Advantages and disadvantages of quality control.
07	01	Study of factors influencing the quality of manufacture.
	02	Explain the Concept of statistical quality control, Control charts (X, R, P and C - charts).
	03	Methods of attributes. Concept of ISO 9001-2008.
	04	Quality management system, Registration /certification procedure.
08	01	Benefits of ISO to the organization.
	02	JIT, Six sigma,7S, Lean manufacturing
	03	Solve related problems.
		Introduction Major functions of production planning and control

Signature of the Faculty

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	:	CMooks:
Semest	er From Da	10 Date :20 04 2021
Week	Class Day	Theory /Practical Topics
09	01	Methods of forecasting .
	02	Routing.
	03	Scheduling.
	04	Dispatching .
10	01	Controlling.
	02	4Types of production .
	03	Mass production.
	04	Batch production.
	05	Job order production
12	01	Principles of product.
	02	and process planning.
	03	

04

Signature of the Faculty