



Dr. V. N. Bedekar Institute of Management, Thane
Teaching Plan (MMS/PGDM)
Academic Year (2016-2017)

Programme Name: PGDM

Trimester: III

Name of the subject: Operations Management II

Maximum marks: 100

No. of Sessions: 10

Name of the Faculty: Vibhuti Save

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Weblink:

Learning Objectives:

1. To demonstrate an appreciation of the role of operations management both at a strategic level and for the effective production of goods and services;
 2. To demonstrate knowledge and insight into the various concepts of operations management;
 3. To understand how Operations contributes to wider aspects of firms' capabilities and Competencies;
 4. To appreciate the importance of operational paradigms and how they are integrated together in managing operations including TQM , Lean operations;
 5. To understand production and inventory control methodologies.
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Reference Books:

1. Operations Management, Roger G. Schroeder, McGraw Hill
2. Modern Production/ Operations Management, E.S. Buffa and R.K. Sarin, John Wiley
3. Production and Operations Management-Chase, Aquilano, Jacobs
4. Operations Management-Jay Heizer, Barry Render



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Plan:

Session No	Topics to be covered	Books referred/ Recommended/ References- Print/Articles/ News/Research papers/ Online database/ Software /Simulations used	Learning outcomes	Evaluation of Students understanding by MCQs, Quiz, Short Test
1	The Role of Purchasing and Materials Management in Business	1 st chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none"> • Functions of materials management • Importance of MM • Cost involved in MM Inter-departmental relationship	Class test (1 st 6 chapter)
2	Supplier Selection and Evaluation Procurement	7 th chapter of Materials Management –Procedures, Text & Cases by A. K. Datta 4 th chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none"> • Quality assurance program • Buyer-supplier relationship Elements of procurement cycle	Using <ul style="list-style-type: none"> • India mart • Suleckha.com Finding supplier & getting quotation & selecting supplier on specific parameters
3	Quality Management & SPC	6 th Chapter of Operations Management-Jay Heizer, Barry Render	Quality management in product & services	Solving Problems
4	Just in Time (JIT)Production	8 th chapter of Production and Operations Management-Chase, Aquilano, Jacobs	Identification & elimination of waste	Assignment on identifying wastage form housekeeping process of an educational Institute & standardize the process.
5	Flexible Manufacturing System Read : Flexible Manufacturing System	Supplement 4 of Production and Operations Management-Chase, Aquilano, Jacobs	Need of technology for quality & timely delivery service	Reading & Writing the application of FMS
6	Total Quality Management ISO & Quality Standards	24 th Chapter of operation (Production) Management –L. C. Zhamb	Importance and need of quality system	Simulation
7	Reading : The Maintenance of Facilities Reading : Total Productive Maintenance	37 th chapter of operation (Production) Management –L. C. Zhamb	Activities requires to plan TPM	Case Solving
8	Group Technology Cellular Manufacturing System Reduces Setup Time, Make Small Lot Production Economical	5 th Chapter of Operations Management-Jay Heizer, Barry Render	How this technology allows similar products to be grouped	Quiz



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9	<ul style="list-style-type: none"> • Decision Models for Inventory Management • Inventory Management under Uncertainty • Stochastic Inventory Models Inventory Management Game Material Requirement Planning 	29 th Chapter of operation (Production) Management –L. C. Zamb	Which inventory model at what time to be utilized	Solving Problems
10	<ul style="list-style-type: none"> • Lot Sizing in MRP Systems • Lot Sizing for Dynamic Demand • Reading : A Note on Dynamic Lot Sizing Problem using Wagner- Whitin Algorithm 	2 nd chapter of Materials & Logistics Management by Prof. L.C. JHAMB	How much to order by indentifying the type of demand	Solving Problems

2. Practical Approach : Other activities (At least 4 distinct activities)

Sr. No.	Activity Name	Topic Covered	Learning outcomes	Source
1	Role Play	Supplier Selection	Students learn on what parameter organization will negotiate & select the supplier	
2	Industry Visit			
3	Academic Projects	Inventory Management & Layout study at supermarkets	<ul style="list-style-type: none"> • How much inventory to hold • How to manage available space • When to replenish the inventory 	
4	Book Review			
5	Group Discussion			
6	Business Quiz / Business News sharing			



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7	Videos / Simulation	TQM	Which quality aspects are important from customer point of view	
8	Use of Software's and Labs	Excel to Prepare Check sheet for Process standardisation	How to prepare check sheet which could be <ul style="list-style-type: none">• easy to understand• easy to maintained• easy to track everything	
9	Any other activity			



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Evaluation:

I) Internal:

Component	Details	Marks
Class Test	On 1 st 6 chapters	20
Presentation	Inventory Management & Layout study at supermarkets	10
Case Study		
Participation	Process observations, interaction and discussion in a class	5
Others	assignments	5

Signature of Faculty

Signature of the Co-ordinator