



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

Programme Name: MMS / PGDM: MMS

Name of the Course: Operations Management

Maximum marks: 100

No. of Sessions: 15

Name of the Faculty: Mr. Mahesh M Bhanushali

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Weblink:-

Learning Objectives:

- 1) To understand the basic concepts and principles on operations Management**
- 2) To understand basic operating principles in product and service industry**
- 3) To develop the decision making skills and analytical techniques in different industry sectors**
- 4) To understand quality aspects, SQC and Inventory Principles in operations management**

Reference Books:

- 1) S N Chary: Theory & Problems in Production & Operations Management, Tata McGraw Hill, Edition 4
- 2) Kanishka Bedi: Production & Operations Management, Oxford University Press, 2012
- 3) Chunawalla & Patel : Production and Operations Management, Himalaya Publishing, sixth edition 2006
- 4) B. Mahadevan, Operations Management, Pearson Publication, 2010
- 5) David Simchi-Levi, Phillip Kaminsky, Designing and Managing Supply Chain, Tata McGraw-Hill publication, 2013
- 6) Jambh, Operations Management, 2013



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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	Introduction to Operations Management, applications in product and service industry, use of competitive advantage	Chunawalla & Patel : Production and Operations Management, Himalaya Publishing, sixth edition 2006 (Pages 1-22)	Understand the basic concepts and learn how to apply the same	Case let, Automobile manufacturing System, Question Answers on video Source: https://www.youtube.com/watch?v=dRSbrXfC6Io
2	Facility layout, Product Development and Design	S N Chary: Theory & Problems in Production & Operations Management, Tata McGraw Hill, Edition 4 (Pages 29.3-29.9)	To Understand characteristics of equipment, machines and workflow	Quiz
3	Facility location	S N Chary: Theory & Problems in Production & Operations Management, Tata McGraw Hill, Edition 4 (Pages 31.1 to 31.16)	To understand Factors affecting the decision making in facility location	Case Study Tata Nano
4	Process analysis in Industry	B. Mahadevan, Operations Management, Pearson	Understand the physical processes, importances	Quiz



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		Publication (page 57-60)		
5	Inventory Management, EOQ,ABC analysis,	B.Mahadevan, Operations Management, Pearson Publication (page 57-60)	To understand the techniques and tools for calculating EOQ, and importance of inventory management	Examples Sources: B.Mahadevan, Operations Management, Pearson Publication (page 57-60)
6	Capacity and introduction to aggregate planning,	Chunawalla & Patel : Production and Operations Management, Himalaya Publishing (Pages 118-127)	Understand capacity utilization, overall production planning and control	Short Test
7	Basics of MRP	B.Mahadevan, Operations Management, Pearson Publication (page 489-500)	Understand concept of dependency	Quiz
8	Introduction to Service Operation management	Kanishka Bedi: Production & Operations Management,Oxford University Press (Pages 35-60)	Understand application of operation to services	Discussions
9	Work study and method study	Kanishka Bedi: Production & Operations Management,Oxford University Press (Pages 491-580)	Understand measurement of time	Quiz



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			management	
10	QC and SQC	Kanishka Bedi: Production & Operations Management, Oxford University Press (Pages 559-570)	Understand quality and control methods, understand sources of variation and identify them on charts, process improvemen	Discussions
11	Sequencing techniques	Kanishka Bedi: Production & Operations Management, Oxford University Press (Pages 531)	Understand and implement optimal ordering of jobs	Examples for practice and evaluation
12	ISO systems, Value engineering and analysis	Chunawalla & Patel : Production and Operations Management, Himalaya Publishing, sixth edition 2006 (Pages 285-340)	Understand global standards, Value, Analysis	Discussions
13	Introduction to supply chain management	Janat Shah, Supply Chain Management, Pearson Publications (pages 2-10)	Understand basic concept of supply chain	Quiz

2. Practical Approach : Other activities (Atleast 4 distinct activities)

Sr. No.	Activity Name	Topic Coverd	Learning outcomes	Source
1	Role Play	NA		
2	Industry Visit	NA		



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3	Academic Projects	NA		
4	Book Review	NA		
5	Group Discussion	Facility Location	To understand the principles and factors Affecting Facility Location	NA
6	Business Quiz / Business News sharing	Economics Times Article on supply chain and logistics Quiz on MRP	To understand the decision making in supply chain and basic principles of MRP	http://highered.mheducation.com/sites/0072983906/student_view0/chapter16/multiple_choice_quiz.html
7	Videos / Simulation	Supply chain/Distribution	To understand the basic concepts	https://www.youtube.com/watch?v=NvSpuQJ2CDw
8	Use of Softwares and Labs	Inventory Management	To understand the inventory planning systematically	Inventoria software
9	Any other activity			

Evaluation:

I) Internal:

Component	Details	Marks
Class Test	Class Test Surprise	20
Presentation	Group Wise Presentations on selected topics	10
Case Study		
Participation	Interactions and timely completing assignments	5
Others	Punctuality	5



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Signature of Faculty

Signature of the Co-ordinator