



Dr. V. N. Bedekar Institute of Management, Thane
Teaching Plan (MMS/PGDM)
Academic Year (2018-2019)

Programme Name: MMS

Semester: III

Name of the subject: Operations Analytics

Maximum marks: 100

No. of Sessions: 14

Name of the Faculty: Dattaprasanna Marathe

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Weblink:

Learning Objectives:

**To understand various types of analytical techniques used in supplychain, demand analytics, retail analytics , waitingline analytics .
To apply these techniques with MS-Excel on various applications and case problems.**

Reference Books:



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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	LPP technique	Examples and assignment		
2	LPP cases	Vajra tools, Production strategy		Case submission
3	Demand analytics, MA Exp smoothing	Examples on Excel		
4	Demand analytics, MA Exp smoothing, measures of accuracy	Examples on Excel		
5	Regression adjusted	Examples on Excel		
6	EOQ,EBQ ,MRP	Examples on Excel		
7	MRP case	Victor cycles, Toffee inc.		Case submission
8	Aggregate Planning	Examples on Excel		
9	Aggregate planning case	MNS Electronics		Case submission
10	Retail analytics and case	Retailers Dilemma		Case submission
11	Queueing analytics using simulation	Examples on Excel		
12	Queueing analytics case on simulation	Bank with ATM		Case submission
13	Joint product costing	Examples on Excel		
14	Joint product case	Kamal organics, shasun drugs		Case submission
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2. Practical Approach : Other activities (Atleast 4 distinct activities)

Sr. No.	Activity Name	Topic Coverd	Learning outcomes	Source
1	Role Play			
2	Industry Visit			
3	Academic Projects	<u>ABC analysis, Process analysis, EOQ analysis</u>	<u>Understand different industry techniques</u>	<u>cases</u>
4	Book Review			
5	Group Discussion			
6	Business Quiz / Business News sharing			
7	Videos / Simulation			
8	Use of Softwares and Labs	<u>Excel applications</u>	<u>Familiarity with Excel as per industry need</u>	
9	Any other activity			



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Evaluation:

I) Internal:

Component	Details	Marks
Class Test		
Presentation	<u>ABC analysis, Process analysis, EOQ analysis</u>	10
Case Study	EOQ water filter case, Myntra Insurance case	10
Participation	LPP assignment	10
Others	Attendance and class behaviour incl punctuality	10

Signature of Faculty

Signature of the Co-ordinator