



**Dr. V. N. Bedekar Institute of Management, Thane**  
**Teaching Plan (MMS)**  
**Academic Year (2019-2020)**

Programme: MMS Semester: III-Operations Period: July'19 – October'19  
Course Code: MMS-XX-X-XXX  
Name of the subject: Operations Analytics  
Maximum marks: 100 (60+40) No. of Sessions: 15 (3 hrs each)

Name of the Faculty: Dattaprasanna Marathe Email: dmmarathe@gmail.com  
Mobile No: 9820196750

<b>Program Outcomes (PO)</b>	<b>Course Outcomes (CO)</b>
1. 2. 3.	1.Learns different forecasting methods 2.Apply in reallife cases analytical approach. 3. Learn optimising using analytics.

**Reference Books:**

- 1.Quantitative methods in Operations Research N D Vohra
2. Quantitative techniques for decision science Anderson Sweeney
3. Production & Operations Management Nahimias

**A. Plan:**

<u>Session No.</u>	<u>Pl. Date</u>	<u>Topic</u>	<u>Ref. Study Material</u>	<u>Course Outcomes</u>
1	5/7	Lpcases flight scheduling	Case & Ex	2,3
2	5/7	Lp cases transportation	Case & Ex	2,3
3	19/7	Demand forcasting-MA,MAD,MSE	Ex	1
4	19/7	Demand forcasting-EXP,MAPE	Ex	1
5	26/7	Demand forcasting-Reg adj	Ex	1
6	26/7	Internal Test EOQ/EBQ/disc	Case & Ex	1,2,3
7	2/8	MRP	Ex	1,2,3
8	2/8	MRP	Case	1,2,3
9	9/8	AP	Ex	1,2,3
10	9/8	AP	Case	1,2,3
11	23/8	Market Basket Analysis/Baas	Ex	1,2,3
12	23/8	Internal Test joint product plng	Ex & case	1,2,3
13	30/8	Quing	Ex	1,2,3
14	30/8	Learning curve	Ex	1,2,3
15.	6/9	Cases	Case	1,2,3_



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**B. Practical Approach: Other activities**

Sr. No.	Activity Name	Topic Covered	Learning outcomes	Source
1	Case study (Current Affairs)	<b>All</b>	<b>1,2,3</b>	<b>selfcases</b>
2	Academic Projects	<b>NA</b>		
3	Group Discussion	<b>NA</b>		
4	Role Play	<b>NA</b>		
5	Industry Visit	<b>NA</b>		
6	Business Quiz / Business News sharing	<b>NA</b>		
7	Videos / Simulation	<b>Quing</b>	<b>1,2,3</b>	<b>Self example</b>
8	Use of Software and Labs	<b>All</b>	<b>1,2,3</b>	<b>MS Excel</b>
9	Any other activity	<b>NA</b>		

**C. Innovative pedagogy adopted:**

**Application of Excel in all topics to enable a student to face real life situations. Use of cases in all topics.**

**Prepared by:**  
**Faculty-Dattaprasanna Marathe**  
**ADC**

**Reviewed by:**

**Approved by:**  
**Specialisation**

**Date: 11/06/2019**  
**Date:**

**Date:**



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**A. Execution:**

<u>Session No.</u>	<u>Actual Date</u>	<u>Topic Covered</u>	<u>Attendance %</u>	<u>Evaluation Method</u>	<u>Case Study Ref.</u>	<u>Quiz Ref.</u>	<u>CR Sign</u>
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

**B. Evaluation:**

<b>Component</b>	<b>Details</b>	<b>Marks</b>
Presentations & Viva	Mandatory	5+5
Class Test (3 for MMS )	Mandatory (MCQ, Descriptive, Etc)	20
Assignments / Others	Mandatory	5
Participation/Attendance	Mandatory	5
Final Exam	Mandatory	60

**C. Student Performance Analysis:**

<u>Avg. Attendance</u>	<u>Avg. Internal Marks</u>	<u>% Failed in Internals</u>	<u>Avg. Final Marks</u>	<u>% Failed in Final</u>	<u>No. of best students &gt; 80%</u>	<u>No. of students needs improvement</u>

**D. Attainment:**

	<b>CO1</b>	<b>CO2</b>	<b>CO3</b>		
<b>PO1</b>					
<b>PO2</b>					
<b>PO3</b>					

**Comments / Suggestions / Recommendations:**



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**This is subject which requires analytical approach. It may not be possible to conduct 3 tests as internal evaluation. Marks allotted will be different than prescribed.**

<b>Attend &amp; Class participation</b>	<b>5</b>
<b>Cases</b>	<b>25</b>
<b>Test or Assignment</b>	<b>10</b>
<b>Total</b>	<b>40</b>

**Suggestions (if any) to students on subject related Certificate/Diploma or Add-on program: -**

**All students should do certification in**

**Six sigma Green Belt for Quality from AIQM-Pune.**

**Operations & Supply chain Management from Ahmedabad Management**

**Association which is Online course.**

**Signature of Faculty**

**Signature of the Co-ordinator / ADC**