



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

---

Programme Name: MMS

Semester: IV

Name of the subject: **Operations Applications and Cases**

Maximum marks:100

No. of Sessions: 14

Name of the Faculty: Vibhuti Save

Mobile No:9029066875

Email: vsave@vpmthane.org

Weblink:

---

**Learning Objectives:**

1. To enable a student to understand the complex processes and operations of product & service industry
2. To apply various techniques, tools & practices in different situations to design & execute system in best manner
3. To develop a model as an extension from academic to practical complex real-life situation.

---

**Reference Books:**

Operations Management	Chase & Jacob
	Gaither
	Samson & Singh
	William Stevenson
	L C Jhamb



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

**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	Application of Operations Management in Complex situations, Resource planning,	CHAPTER 14, Operations Management: An Integrated Approach, 5th Edition by Nada R. Sanders, R. Dan Reid		Class Test
2	Process analysis review	CHAPTER 8, Operations Management, 3rd Edition by B. Mahadevan	Process flow-charting Process analysis Process redesign	
3	Applications in production & retail sector, practical examples of MRP-I & II on Excel	Excel Based Problems		
4	Applications related with plant, investment, replacement & maintenance, Robotic process and financial evaluation, optimum period of replacement on excel	<a href="https://www.ey.com/Publication/vwLUAssets/ey-robotic-process-automation-implementation/\$File/ey-robotic-process-automation-implementation.pdf">https://www.ey.com/Publication/vwLUAssets/ey-robotic-process-automation-implementation/\$File/ey-robotic-process-automation-implementation.pdf</a>	Risk and control considerations within robotic process automation implementations	
5	Capacity Planning & Aggregate Planning, RCCP	Excel Based Problems		
6	Application of learning in tendering & bidding, cost	<a href="https://www.tendertool.com/freight-e-tendering/">https://www.tendertool.com/freight-e-tendering/</a> <a href="https://www.smartsheet.com/excel-construction-project-">https://www.smartsheet.com/excel-construction-project-</a>		



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

	aspects, examples on excel	<a href="#">management-templates</a>	
7	Work Study, Method Study, Balanced scorecard	<a href="http://www.scielo.br/pdf/rcf/2016nahead/1808-057X-rcf-201602200.pdf">http://www.scielo.br/pdf/rcf/2016nahead/1808-057X-rcf-201602200.pdf</a> <a href="https://www.hbs.edu/faculty/Publication%20Files/10-074_0bf3c151-f82b-4592-b885-cdde7f5d97a6.pdf">https://www.hbs.edu/faculty/Publication%20Files/10-074_0bf3c151-f82b-4592-b885-cdde7f5d97a6.pdf</a>	Value added & non value-& How to measure that
8	Lean Tools	Lean Manufacturing Tools, Techniques and how to use them by Willium Feld	How basic elements of lean eliminate waste, create flow and continuously improve operations. Construct and interpret a VSM
9	QFD, DFD, cost Price analysis	Assignment & Problems	Depiction of information flow and quality check points in a diagram
10	Inventory Control Discount Policy	Problems and cases	
11	Sequencing Techniques	Problems	Prioritized jobs assigned to a resource
12	Drum- Buffer-Rope	<a href="http://www.lean-manufacturing-japan.com/scm-terminology/dbr-drum-buffer-rope-theory.html">http://www.lean-manufacturing-japan.com/scm-terminology/dbr-drum-buffer-rope-theory.html</a> <a href="https://www.pmi.org/learning/library/drum-buffer-rope-critical-chain-buffering-8526">https://www.pmi.org/learning/library/drum-buffer-rope-critical-chain-buffering-8526</a>	to understand the flow of a supply chain
13	Value Engineering	<a href="https://www.google.co.in/url?">https://www.google.co.in/url?</a>	reduce project

Quiz, Case study



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

		<a href="https://www.civilengineeringterms.com/construction-management/value-engineering/">sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=12&amp;cad=rja&amp;uact=8&amp;ved=2ahUKEwiM7frKvabfAhWJWX0KHcLkB_IQFjALegQICRAC&amp;url=https%3A%2F%2Fminds.wisconsin.edu%2Fbitstream%2Fhandle%2F1793%2F5978%2F1556.pdf%3Fsequence%3D1&amp;usg=AOvVaw1P8aHtILmBBz0TYGTtdp9h</a>  <a href="https://www.civilengineeringterms.com/construction-management/value-engineering/">https://www.civilengineeringterms.com/construction-management/value-engineering/</a>  <a href="https://www.plantechinc.net/downloads/Training_Outline_VAVE.pdf">https://www.plantechinc.net/downloads/Training_Outline_VAVE.pdf</a>	cost, without reducing the quality
14	PQCDSM, Time Based Competition	<a href="https://books.google.co.in/books?id=K9aYpFdFONUC&amp;pg=PA171&amp;dq=PQCDSM+in+book&amp;hl=en&amp;sa=X&amp;ved=0ahUKEwiJ7uP3vqbfAhWbbisKHWXYAgQQ6AEIPDAE#v=onepage&amp;q=PQCDSM%20in%20book&amp;f=false">https://books.google.co.in/books?id=K9aYpFdFONUC&amp;pg=PA171&amp;dq=PQCDSM+in+book&amp;hl=en&amp;sa=X&amp;ved=0ahUKEwiJ7uP3vqbfAhWbbisKHWXYAgQQ6AEIPDAE#v=onepage&amp;q=PQCDSM%20in%20book&amp;f=false</a>	To confirm daily activities are advancing PQCDSM otherwise its pure MUDA
15	Uses in insurance, BPO/KPO, entertainment, production, etc	<a href="https://www.researchgate.net/publication/302402335_Operations_of_Insurance_Companies">https://www.researchgate.net/publication/302402335_Operations_of_Insurance_Companies</a>  <a href="https://www.capgemini.com/wp-content/uploads/2017/07/b_Knowledge_Process_Outourcing.pdf">https://www.capgemini.com/wp-content/uploads/2017/07/b_Knowledge_Process_Outourcing.pdf</a>  <a href="https://www.capgemini.com/wp-content/uploads/2017/07/b_Knowledge_Process_Outourcing.pdf">https://www.capgemini.com/wp-content/uploads/2017/07/b_Knowledge_Process_Outourcing.pdf</a>	



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

**Practical Approach : Other activities**

<b>Sr. No.</b>	<b>Activity Name</b>	<b>Topic Covered</b>	<b>Learning outcomes</b>	<b>Source</b>
1	Role Play			
2	Industry Visit			
3	Academic Projects	Mini Project on Lean Tools	When & Where to apply which lean tools	
4	Book Review			
5	Group Discussion			
6	Business Quiz / Business News sharing	Work Study , Method Study, Lean Tools	Dependency of productivity on performance of Men, Machines & Materials  Designing of Cost & Time Effective method and procedure	
7	Videos / Simulation			
8	Use of Software's and Labs	Excel-MRP, Capacity Planning	Factors influencing resources planning	
9	Any other activity			



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

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences: -**

Case studies from Emerald insight & Elsevier publications going to be discussed and allocated to the students to present

**Use of ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc.: -**

Excel to solve problems on

- MRP
- Capacity Planning
- Aggregate Planning

**Innovation and Creativity in teaching- learning: -**

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

Students are advised to appear for NPTEL certification on Operations Management



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

**Evaluation:**

**Internal:**

<b>Component</b>	<b>Details</b>	<b>Marks</b>
Class Test	20 marks class test: 15 Marks MCQs & 5 Marks problem	20
Presentation	Case study analysis and presentation	10
Case Study	Group discussions	5
Participation		
Others	Attendance	5

**Signature of Faculty**

**Signature of the Co-ordinator**