

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

Programme Name: PGDM Trimester: II

Name of the subject: Quantitative Techniques

Maximum marks: 100 No. of Sessions: 10

Name of the Faculty: Dattaprasanna Marathe

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Weblink:

Learning Objectives:

To learn various techniques of optimization.'
To apply techniques in real life situation
To achieve capability of scaling up academic model into real life model and optimize operations.

Reference Books:
Operations Research by N D Vohra
Quantitative methods for Business by Anderson, Sweeney and Williams
Operations Research by J K Sharma

STD 1873

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Plan:

Session	Topics to be covered	Books referred/ Recommended/ References-	Learning	Evaluation of Students
No		Print/Articles/ News/Research papers/ Online	outcomes	understanding by
		database/ Software /Simulations used		MCQs, Quiz, Short Test
1	Basics of Quantitative methods and	Books ar sr no 1,2,3	Understand basic	Examples, problems and
	Operations Rsearch		concepts	cases
2	Linear Programming Introduction and	Same as above	Analyse and	Examples, problems and
	graphical method		interprete solution	cases
3	Linear programming Examples	Same as above	Analyse and	Examples, problems and
			interprete solution	cases
4	Linear programming cases Vajra tools,	Same as above	Analyse, develop	Examples, problems and
	Production strategy, Panchatantra		solution, interprete	cases
	Corporation		and scale up model	
5	Linear Programming cases, Advertising	Same as above	Analyse, develop	Examples, problems and
	strategy, McCentrix corporation on Excel		solution, interprete	cases
			and scale up model	
6	LPP on Excel	Same as above	Analyse, develop	Examples, problems and
			solution, interprete	cases
			and scale up model	
7	Assignment technique	Same as above	Analyse and	Examples, problems and
			interprete solution	cases
8	Assignment application on flight scheduling	Same as above	Analyse, develop	Examples, problems and

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

	on Excel		solution, interprete	cases
			and scale up model	
9	Transportation problem	Same as above	Analyse and	Examples, problems and
			interprete solution	cases
10	Transportation cases on Excel	Same as above	Analyse, develop	Examples, problems and
			solution, interprete	cases
			and scale up model	
11				
12				

Practical Approach: Other activities (Atleast 4 distinct activities)

Sr.	Activity Name	Topic Covered	Learning outcomes	Source
No.				
1	Role Play			
2	Industry Visit			
3	Academic Projects	Flight scheduling	Data collection ,analysis, interpretaion	
4	Book Review		·	
5	Group Discussion			
6	Business Quiz / Business News sharing			
7	Videos / Simulation			
8	Use of Softwares and Labs	Excel for LPP Assignment and transportation	Analysis and interpretation	
9	Any other activity			



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Evaluation:

Internal:

Component	Details	Marks
Class Test		
Presentation		
Case Study		
Participation		20
Case assignments		30

Signature of Faculty

Signature of the Co-ordinator