Dr. V. N. Bedekar Institute of Management Studies, Thane
Teaching Plan (MMS / PGDM)
Academic Year (2017-18)

Programme: PGDM

Trimester: II

Name of the Course: Quantitative Techniques

Maximum marks: 100

No. of Sessions: 10

Name of the Faculty: Dr. Sibani

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Weblink:

Learning Objectives:

The main objective of the course

1. Describe and explain statistical ideas, which are an essential part of the intellectual equipment for managers.
2. To understand why and when the various methods should be used or not used.
3. To focus attention to various assumptions inherent in each of these techniques and the resulting limitations.
4. To make the best use of IT e.g. SPSS, MS Excel etc. in solving managerial problems through better data management and analysis techniques.
5. Should be able to understand and interpret results obtained from SPSS.

Reference Books:

1. Quantitative techniques for managerial decisions /by Sharma, J K. - New Delhi: Macmillan, 2010.
2. Statistics for management by Richard levin
3. Statistical techniques for business and economics by Douglas A. Lind.
4. Business Statistics: For Contemporary Decision Making, 8th Edition by Ken Black

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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 statistics	Presentation, problem solving, discussions	statistical ideas application	Q & A
2	Measures of Central Tendencies for Grouped and Ungrouped Mean, Median and mode	Presentation, problem solving, discussions		Q & A
3	Measures of Variability and Shape	Presentation, problem solving, discussions		Problems with solutions
4	Probability Theory & Application	Presentation, problem solving, discussions, case study		Case study
5		Presentation, problem solving, discussions		

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	Probability Distribution & Uses (Discrete & Continuous)			
6	Sampling Techniques & Sample surveys,	Presentation, problem solving, discussions,		
7	Estimation & Testing Of Hypotheses	Presentation, problem solving, discussions		
8	Analysing Bi-Variate Data & Analysis of variance, Correlation & Regression Analysis	Presentation, problem solving, discussions, case study		
9	Multiple Regression Analysis & Model Building in Regression analysis	Presentation, problem solving, discussions		

10	Non Parametric Analysis & Decision Analysis	Presentation, problem solving, discussions, case study		Case study
11	Time Series Analysis & Developing Forecasting Models	Presentation, problem solving, discussions		

2. Practical Approach: Other activities

Sr. No.	Activity Name	Topic Covered	Learning outcomes	Source
1	Role Play			
2	Industry Visit			
3	Academic Projects			
4	Book Review			
5	Group Discussion			
6	Business Quiz / Business News sharing			
7	Videos			

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8	Use of Softwares and Labs (Simulation)	Solving managerial problems through better data management and analysis techniques	To make the best use of IT e.g. SPSS, MS Excel etc. in solving managerial problems through better data management and analysis techniques	
9	Any other activity	Case study		

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Evaluation:

Internal:

Component	Details	Marks
Class Test	Best of 1 out of 2 class tests	10
Presentation	Primary data collection and analysis of that data	10
Case Study	Case Study Solving	10
Participation	Student Participation in the class	10

Signature of Faculty **Signature of the Co-ordinator**