

**Revised Syllabus of Courses of Bachelor of Management Studies
(BMS) Programme at Semester I
with Effect from the Academic Year 2016-2017**

Elective Courses (EC)

3. Business Statistics

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Introduction to Statistics	15
2	Measures of Dispersion, Co-Relation and Linear Regression	15
3	Time Series and Index Number	15
4	Probability and Decision Theory	15
	Total	60

Sr. No.	Modules / Units
1	Introduction to Statistics
	<ul style="list-style-type: none"> • Introduction: Functions/Scope, Importance, Limitations • Data: Relevance of Data(Current Scenario), Type of data(Primary & Secondary), Primary(Census vs Samples, Method of Collection (In Brief), Secondary(Merits, Limitations, Sources) (In Brief) • Presentation Of Data:Classification – Frequency Distribution – Discrete & Continuous, Tabulation, Graph(Frequency, Bar Diagram, Pie Chart, Histogram, Ogives) • Measures Of Central Tendency:Mean(A.M, Weighted, Combined), Median(Calculation and graphical using Ogives), Mode(Calculation and Graphical using Histogram), Comparative analysis of all measures of Central Tendency
2	Measures of Dispersion, Co-Relation and Linear Regression
	<ul style="list-style-type: none"> • Measures Of Dispersion: Range with C.R(Co-Efficient Of Range), Quartiles & Quartile deviation with CQ (Co-Efficient Of Quartile), Mean Deviation from mean with CMD (Co-Efficient Of Mean Deviation), Standard deviation with CV(Co-Efficient Of Variance), Skewness& Kurtosis (Only concept) • Co-Relation: Karl Pearson, Rank Co-Relation • Linear Regression: Least Square Method
3	Time Series and Index Number
	<ul style="list-style-type: none"> • Time Series: Least Square Method, Moving Average Method, Determination of Season • Index Number: Simple(unweighted) Aggregate Method, Weighted Aggregate Method, Simple Average of Price Relatives, Weighted Average of Price Relatives, Chain Base Index Numbers, Base Shifting, Splicing and Deflating, Cost of Living Index Number
4	Probability and Decision Theory
	<ul style="list-style-type: none"> • Probability: Concept of Sample space, Concept of Event, Definition of Probability, Addition & Multiplication laws of Probability, Conditional Probability, Bayes' Theorem(Concept only), Expectation & Variance, Concept of Probability Distribution(Only Concept) • Decision Theory: Acts, State of Nature Events, Pay offs, Opportunity loss, Decision Making under Certainty, Decision Making under Uncertainty, • Non-Probability: Maximax, Maximin, Minimax, Regret, Laplace & Hurwicz) • Probabilistics (Decision Making under risk):EMV, EOL, EVPI • Decision Tree