

Subject Code:1MS1010305

Subject Title: Basic Statistics

1. Course Objectives:

This Course creates a better understanding of Statistical concepts in solving business related problems. The course serves as a good foundation for further study in business research, management, accounting, marketing and finance.

2. Teaching Scheme (Hours per week)

Lecture (Hrs.)	Tutorial	Practical	Credit	Evaluation Scheme (Marks)			
				University Assessment		Internal Assessment	
				Theory	Practical	Theory	Practical
4	-	-	4	70	-	30	-

3. Syllabus:

Module No.	Contents	Total Hours	Weight
1	Introduction of Statistics and Measure of Central Tendency : Introduction of Statistics: Meaning and Definitions of Statistics, Importance of Statistics in Business, Limitations of Statistics, Types of Data Collection Methods, Types of Classification Data, Types of Frequency Distribution, Types of Class Intervals, Types of Diagrams. Measure of Central Tendency: Introduction, Definition and Calculation of Mean, Median, Mode, Quartiles, Deciles and Percentiles and Combined Mean.	12	25%
2	Measures of Dispersion: Introduction, Definition, Merits, Demerits and Calculation of Range, Range Co-efficient, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of Variation (C.V.), Combined S.D.	12	25%

3	Linear Correlation: Meaning and Definition of Correlation, Types of Correlation, Properties of Correlation Coefficient, Method and Calculation of Correlation - 1. Scatter Diagram, 2. Karl Pearson's Method, 3. Spearman's Rank Method, Probable Error of Coefficient of Correlation, Co-efficient of Correlation from Bivariate Frequency Distribution.	12	25%
4	Linear Regression: Meaning and Definition of Regression, Definition of Regression Coefficient, Properties of Regression Coefficients & Relation between Correlation and Regression Coefficient, Calculation of Two lines of Regression, Regression Co-efficient from Bivariate Frequency Distribution.	12	25%

4. Suggested Readings

Books:

1. Fundamental of Mathematics and Statistics by V. K. Kapoor and S. C. Gupta, Sultan Chand & Sons, New Delhi.
2. Fundamental of Statistics by S. P. Gupta, Sultan Chand & Sons, New Delhi.
3. Business Statistics by J. K. Sharma, Vikas Publication, Noida.
4. Comprehensive Statistical Methods by P. N. Arora, Sumeet Arora & S. Arora, Sultan Chand & Sons, New Delhi.
5. Practical Business Statistics by Frederick F. Croxton & Dudley, Asia publishing House, Delhi.



**SANKALCHAND PATEL
UNIVERSITY**

॥ अथातो ज्ञानजिज्ञासा ॥

Sankalchand Patel University, Visnagar
Faculty of Management Studies (FMS)
Bachelor of Business Administration (Sem.-III)
Effective from Academic Year 2017-18
