

# Syllabus

## UNIT – I

**Quantitative Techniques: Introduction and Use in Business**

**Theory of Probability: Introduction, Definitions and Use of Addition and Multiplicative Theorem, Conditional Probability. Probability Distribution: Binomial Distribution, Poisson Distribution, Normal Distribution.**

**Linear Programming: Meaning, Advantages, Limitations, Basic Terminology, Formulation of Linear Programming Problem, Graphic Solution of Linear Programming Problem, Business Application of Linear Programming.**

## UNIT – II

**Interpolation and Extrapolation**

**Correlation: Meaning, Types, Methods, Scattered Diagram, Karl Pearson's Coefficient of Correlation, Rank Correlation and Concurrent Deviation Method.**

**Regression: Meaning and Significance, Difference Between Correlation and Regression, Simple Linear Regression and Estimation of Parameters (Slope and Intercept).**