

1 <sup>st</sup> Semester	16IMN103	Business Statistics	L-T-P 4-0-0	4 Credits	35 hrs
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**Module-I: Introduction:**

Meaning and definitions of statistics; importance of statistics in business; limitations of statistics; types of data, collection of data; classification and tabulation of Data; graphic and diagrammatic presentation of Data.

**Module-II: Measures of Central Tendency**

Introduction; The Arithmetic Mean; The Median; The Mode; comparison between mean, median and mode; The geometric Mean; The Harmonic Mean.

**Module-III:**

**Measures of Dispersion:** Introduction; The Range; The Quartile Deviation; The Mean Deviation; The Standard Deviation; Coefficient of Variation. Introduction, Skewness; Measures of Skewness; Moments; Kurtosis.

**Module-IV:**

**Probability:** Introduction; Basic terminology in Probability; three types of Probability; Probability Axioms; Probability under conditions of statistical independence and dependence; Bayes' Theorem.

**Books:**

- Statistics for Management – Lavin & Rubbin (TMH)
- Statistical Methods and Quantitative Techniques- Digambar Patri (KP)