Statistical Techniques using MS-Excel
For B.Sc. (CSC) Students

UNIT-I :   Basics of Statistics

Collection of data – Classification of data – Tabulation – Presentation – Simple Bar & Multiple Bar charts, Pie chart, Histogram, Polygon

UNIT-II : Measures of Central Tendency & Dispersion

Mean, Median and Mode - Range, Standard deviation and Variance – un grouped and grouped data with simple problems.

Moments – First four Central & Non- Central – simple problems

Skewness & Kurtosis using moments

UNIT-III : Correlation & Regression Analysis

Simple, rank, multiple and partial correlations – Regression equations

UNIT-IV

MS Excel - Charts (Simple Bar & Multiple Bar charts, Pie chart), Pivot tables, formulae and Unit – II & III topics

Text Books

1. **Fundamentals of Statistics –** S.C. Srivastava & Sangya Srivastava
2. **Statistical Analysis : Microsoft Excel 2013 –** Conard Carlberg

Reference Books

1.   **Statistical Methods –** S.P Gupta