23STVAP101: Fundamentals of Statistics using MS-Excel

Offered to :B.Sc.Hons(AI & CSCS) & B.A (Economics)

SEMESTER : I **45Hours** **Credits : 2**

Course Type: Value-Added

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. Skewness & Kurtosis using central tendency and dispersion measures

UNIT-III : Correlation Analysis

Scaling methods - Correlation – simple and rank . Multiple and partial correlations

<u>UNIT-IV</u>

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

TEXT BOOK:

S.C. Gupta, (2019), Seventh Edition, Fundamentals of Statistics, Mumbai: Himalaya Publishing House.

REFERENCE BOOKS

1. Sharma, J. K. (2013), *Business statistics*, New Delhi: Pearson Education

2. Levine, D.M., Berenson, M. L. & Stephan, D. (2012), Statistics for managers using Microsoft Excel, New Delhi: Prentice Hall India Pvt.

3. Aczel, A. D. &Sounderpandian, J. (2011), Complete Business Statistics, New Delhi: Tata McGraw Hill.

4. Davis, G., &Pecar, B. (2014), Business Statistics using Excel, New Delhi: Oxford University Press.

Question Paper Pattern for value –Added Courses (Lab)
(A)   SEE (LAB) Model Question Paper
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Max.Marks: 35   **Max.Time: 2Hours**

Pass. Min: 14

I. **Answer any THREE of the following (Using Spread Sheets)   3 x 10 = 30 Marks**

           Q1

           Q2

           Q3

           Q4

           Q5

II Viva   **2 Marks**

III Record   **3 Marks**

(B)   CONTINUOUS ASSESMENT: **15 MARKS**

TOTAL : (A)+(B) =   **50MARKS**

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