

CBIT- SCHOOL OF MANAGEMENT STUDIES (A)

MBA I Semester (Section A&B) - Statistics Lab

Lab Incharge : Mrs. M. SANGEETHA , Assistant Professor

Subject Code : 20MBC108

Instruction	2 Hour per week
Duration of Semester Examination	3 Hours
Semester End Examination	50 Marks
Continuous Internal Evaluation	50 Marks
Credits	1
Sections	A & B
Timings	02.00-04.05 PM (A Section-Mon, B Section-Tue)
Strength	A Section 64 Students B Section 64 Students

Course Objectives:

1. To Understand Descriptive statistics and its usage in Decision making in different disciplines.
2. To Explain the concept of Hypothesis and Parametric Tests.
3. To understand the relationship between two or more variables by using Appropriate Statistical Analysis Techniques.

Course Outcomes:

1. Apply the methods of descriptive statistics and analyze the data by using MS Excel.
2. Foster the practical understanding of parametric test and to reveal the right inferences about the population.
3. Analyze one variable experiment by using one Way ANOVA.
4. Calculate Correlation coefficient and Simple Regression to interpret the Outcomes.
5. Examine Time Series model and extract meaningful insights about the Data

Prerequisites for attending lab

- Computer skills: knowledge of Microsoft Office.
- Analytical and numerical skills: ability to perform mathematical calculations (add, subtract, multiply, divide) in different units of measurement.
- Calculate test results, and report results using a computer.
- Maintain equipment in proper working order and maintain a clean work area

Purpose of Lab:

The Statistics Labs is designed to give you hands-on experience in data analysis and data presentation, but also for better understanding and application of statistical tools so as to make proper decisions related to business in the real world. This practical experience will help you better to understand how statistics can be properly employed, the limitations of statistical analysis, and how to interpret and present data.

Lab Sessions:

- a. The laboratory sessions will involve the use of MS Excel.
- b. Demonstrate the differences between and uses of descriptive and inferential statistics.
- c. In the laboratory, the students will use Excel functions and formulas to explore various sets of data.
- d. Whenever possible, additional experiments/worksheets to clarify or enlighten the students will be shared.
- e. The lab observations/execution must be corrected then and there and let the students know where they have committed a mistake/error.
- f. To maintain each session execution/output of the problem in soft/hard copy form.
- g. Students must submit the lab record at the time of semester end exam.