

**DEPARTMENT OF COMMERCE
PAYYANUR COLLEGE, PAYYANUR**

**B.com. (Finance)
Certificate Course**

CERTIFICATE PROGRAMME IN STATISTICAL ANALYSIS USING SPSS

(Duration: 30 Hours)

Course Description and Objectives

SPSS (Statistical Package for Social Science) is a tool for the statistical analysis of data. It allows performing a wide variety of statistical procedures. Main objective of the course is to provide participants with a basic knowledge of the program in order to be able to use it in a socio economic context. Upon successful completion of this course, the student should be able to:

- Understand the main features of SPSS
- Perform descriptive analyses with SPSS
- Perform common parametric tests

Module- I

Introduction to SPSS: Data analysis with SPSS: general aspects, workflow, critical issues, SPSS: general description, functions, menus and commands. [10 Hours]

Module- II

Data Entry and Modification: Defining variables, Manual input of data, Automated input of data and file import, Data manipulation. [10 Hours]

Module- III

Data Analysis using SPSS: Descriptive statistics, Means, T-test, One-way ANOVA, Correlation and Regression [10 Hours]

Reference Books:

- Andy Field - Discovering Statistics Using SPSS, Second Edition.
- Robert F. DeVellis - Scale Development Theory & Applications.
- Sabine Landau and Brian S. Everitt - Statistical analysis using SPSS

