

**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and
Commerce, Baramati**

(Autonomous)

Department of Statistics

Certificate Course in

CC-075 Basic SPSS

Course Syllabus

Course Objectives:

1. Understand the fundamentals of SPSS, including data entry, management, and output interpretation.
2. Learn how to organize and prepare data for statistical analysis in SPSS.
3. Perform descriptive statistical analyses using SPSS (mean, median, mode, standard deviation, etc.).
4. Conduct inferential statistical tests such as t-tests, chi-square tests, and ANOVA in SPSS.
5. Generate and interpret graphical representations of data.
6. Understand how to apply SPSS in real-world research problems.

Course Outcomes:

Students will be able to:

- CO1.** Efficiently navigate the SPSS interface and use it to manage and manipulate datasets.
- CO2.** input, code, and transform data within SPSS.
- CO3.** Perform and interpret descriptive and inferential statistical analyses using SPSS.
- CO4.** Create and interpret graphs such as histograms, scatter plots, and bar charts in SPSS.
- CO5.** Apply appropriate statistical techniques based on data type and research questions.
- CO6.** Generate reports of statistical analyses using SPSS outputs.



Unit No.	Contents	Credit: 02
		No. of Periods/Hours
I	Introduction to SPSS	8
II	Descriptive Statistics	8
II	Data Transformation and Cleaning	8
IV	Inferential Statistics	8
Total		32

Mode of Evaluation:

1. Written Online Examination

