



**S.G.V.V.T's**  
**Sri Gavisiddheshwar Arts Science and Commerce**  
**College, Koppal.**

Affiliated to Vijayanagara Sri Krishnadevaraya University, Ballari.

**NAAC Accredited 'B' Grade**

Certificate Course

On

**STATISTICAL PACKAGE FOR SOCIAL**  
**SCIENCES**

By

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S.G College,  
Koppal

# **Institutional Regulations Governing the Certificate Course**

## **Structure of the Course:**

**Introduction:** Statistical Package for Social Science is a Certificate Course, introduced by the Department of Commerce. The department has the responsibility to promote the competency level of the students who have hailed from different parts of Hyderabad Karnataka region which has the constitutional special provision under 371(J). SPSS is the widely used statistical package for quantitative data analysis. Statistical Package for the Social Sciences (*SPSS*) is a comprehensive and flexible statistical analysis and data management solution produced by IBM and makes statistical data analysis straight forward. SPSS is the powerful user friendly software very useful to the students, academicians and researchers, major aim of this course is to develop competency in to applied quantitative methods among students.

### **Why this SPSS course:**

SPSS is a widely used program for statistical analysis in social science. SPSS is a powerful suite of data analytics, reporting and modeling software. It is the data analytics software package of choice for people who need to analyze large amounts of quantitative data and is used as standard by a wide range of users who need to quickly and accurately carry out statistical analysis of that data such as market researchers, health researchers, survey companies, government, education researchers, marketing organizations and data miners.

### **About the Course:**

This SPSS course will teach you the fundamentals of using SPSS. This SPSS course involves working on a number of practical, hands on examples and exercises in a workshop environment. Courses will leave you with lots of practical SPSS experience as well as useful tips and tricks. Our course will show you how to make the most of SPSS software package.

### **Course Objectives:**

This course is designed to provide students with transferrable skills, to understand the uses of SPSS, as a tool to summarize and aid to the interpretations of the research findings

### **Teaching Style:**

This course is designed to guide students toward self sufficiency using SPSS as a tool to collect, summarize, present and analyze information.

- This course has been designed to permit students to become better able to present and understand quantitative information. This is an applied course, with strong emphasis being placed upon the understanding of material, above memorization.
- The Socratic Method will be used in class sessions, in which students will learn to answer their own questions, using a structured problem solving approach.

### **Computer/Class Sessions**

- Class sessions will provide students with the background of statistics and will provide an interactive opportunity to ask questions and solve problems. Students are encouraged to ask questions during all class sessions.
- Computer sessions will allow students to work in small groups, on shared computers, to practice the principles covered within the course.
- During computer sessions students will learn how to use statistical software, to simplify analysis and assembly of information into an accurate model which explains the world.

## **Course Content:**

The course is organized in modules and each module covers a reasonable content to enable participants connect and progress successively in the next modules.

### **Syllabus**

<b>Module 1</b>	SPSS interface and features
<b>Module 2</b>	Data storage types, measures & data management in SPSS
<b>Module 3</b>	Creating & editing quantitative & categorical graphs/charts
<b>Module 4</b>	Advanced data tabulation
<b>Module 5</b>	Time series & Panel analysis

**Course Outcomes:** On completing this course students will:

<ul style="list-style-type: none"><li>• be comfortable using SPSS as a data analysis tool</li></ul>	<ul style="list-style-type: none"><li>• be able to choose charts to successfully highlight their research results</li></ul>
<ul style="list-style-type: none"><li>• be comfortable using SPSS as a data analysis tool</li></ul>	<ul style="list-style-type: none"><li>• be able to understand and interpret charts</li></ul>
<ul style="list-style-type: none"><li>• understand how to work with SPSS</li></ul>	<ul style="list-style-type: none"><li>• understand how to enter and reorganize information within SPSS</li></ul>
<ul style="list-style-type: none"><li>• understand how to learn to use new features of SPSS on their own</li></ul>	<ul style="list-style-type: none"><li>• understand how to effectively summarize research finds using SPSS</li></ul>
<ul style="list-style-type: none"><li>• understand how to acquire information (samples)</li></ul>	<ul style="list-style-type: none"><li>• be able to edit SPSS output</li></ul>

## **Eligibility:**

Under graduate students of our institution who have studied or studying statistics as a subject and interested in research and data analysis field are eligible to admit and can make use of this course.

## **Duration:**

This is 6 weeks course (25Hours)

**Pattern of Examination:**

After successful completion of 25 Hours course there will be exam to test student's competency in SPSS usage and to ensure Course Effectiveness. Computer based Test (CBT) of 100 marks (2 hours duration) will be conducted.

**Conditions to issue Certificate:**

S.N	Subject	Minimum Requirement
1	Attendance	75%
2	CBT Marks	40%

**Venue:**

**PG class room and computer Lab,**

**SG College, Koppal.**

**How to Register:**

Interested participants can contact the HOD of the commerce department, SG College, koppal.

**Note:**

The class size is limited to 30 participants to ensure that each participant has the opportunity to interact with the facilitator. You are advised to register two weeks in advance before the training start date for adequate preparation.

**Course trainers:**

S.N	Name of the trainer	Designation and Dept.
1	Sri. Jalihal Sharanappa	Assist. Professor Dept. of Commerce
2	Dr. Karibasaveshwara	Assist. Professor Dept. of Commerce
3	Kum. Sridevi	Assist. Professor Dept. of Commerce
4	Sri. Mohammed Shafi Sardar	Guest Lecturer, Dept. of Comp. Science