


Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce Baramati  
Department of Statistics  
**"Report of Certificate Course Basic SPSS"**  
**2021-2022**


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M.Sc. II Sem III Statistics students has Registered for Certificate course on Basic SPSS during 02/02/2022 to 12/02/2022. Students have completed this course successfully on 12/02/2022. 45 Students have registered for Basic SPSS.

All Students have attended course and submitted their tutorials. They have completed their practical work at Department of Statistics.

This certificate course helped students to understand the concept of statistics and they can make their own data analysis using SPSS. They gained information about which tools to be applied for the analysis, overall it was a motivating session as students actively participated and enjoyed the same.

  
Dr. Vaishali V. Patil  
Co-ordinator

  
Dr. Avinash S. Jagtap  
Head,  
Department of Statistics

Anekant Education Society's  
TULJARAM CHATURCHAND COLLEGE  
OF ARTS, SCIENCE AND COMMERCE, BARAMATI  
AUTONOMOUS

**Department of Statistics**

Date-01/02/2022

**NOTICE**


(For M.Sc. Part II Statistics Students)

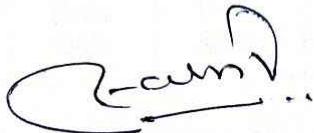
**Certificate Course Examination**

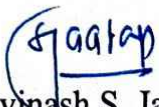
**CC-075 Basic SPSS**

**Certificate Course (2 credit course)**

**Date** : 14/02/2022  
**Time** : 12.00 noon to 02.00 pm  
**Venue** : Prof. Sharad Gore Lab

  
Dr. Vaishali Patil  
Course In Charge

  
Mr. Chandrashekhar Swami  
PG Co-ordinator

  
Dr. Avinash S. Jagtap  
Head,  
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**Department of Statistics**

Date-01/02/2022


**NOTICE**


(For M.Sc. Part II Statistics Students)  
Certificate Course  
CC-075 Basic SPSS


Venue – Department of Statistics (Lab – III)

Date	02/02/2022	03/02/2022	04/02/2022	05/02/2022	07/02/2022
Time					
12.00 Noon to 03.00 pm	Basic SPSS	Basic SPSS	Basic SPSS	Basic SPSS	Basic SPSS
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Time					
12.00 Noon to 03.00 pm	Basic SPSS	Basic SPSS	Basic SPSS	Basic SPSS	Basic SPSS

M. Sc. II students should compulsory remain present for the above Practical periods

  
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Course In Charge

  
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PG Co-ordinator

  
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Department of Statistics

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

Statistics Department

**Course Title: Certificate Course in SPSS**

**Nature of the Course: Offline Certificate Course**

**Course Syllabus**

SPSS is an important tool for any statistical analysis. SPSS stands for Statistical Package for the Social Sciences. SPSS software was designed to perform statistical analysis on quantitative data. SPSS software is used in nonprofit agencies, educational institutions and even in business to analyze numerical data. It performs several statistical and econometric analyses. It has wide applications in the field of Social Sciences, Life Sciences, finance, Marketing, Education and other fields where statistical analysis is required. The use of SPSS is very much essential for research work. Academic institutions, Research Institutes, NGO and other such organization are also required to make use of this statistical package.

**Course Objectives:**

- To enhance analytical skills of the young scholars who are engaged in doctoral work or involved in planning for their research work
- To equip the participants in quantitative and qualitative research methods and strategies;
- To sharpen participants' competence in usage of SPSS and R;
- To impart practical experience with a variety of analytical tools to facilitate the analysis and enabling appropriate interpretation of given hypothesis.

**Learning Outcomes:**

Analytical skills.

**Credit: 02**

<b>Unit No.</b>	<b>Contents</b>	<b>No. of Periods/Hours</b>
I	<ul style="list-style-type: none"><li>• Introduction to SPSS, Introduction to different data types, Scale of measurements, classification techniques , Basics of SPSS, Data entry in SPSS, missing values, multi response,</li><li>• Data transformation through SPSS: selection of cases, recoding of variables, identification of duplicate cases, compute variable.</li></ul>	8
II	<ul style="list-style-type: none"><li>• Exploratory data analysis, Frequency tables and different types of charts, measures of central tendency, measures of dispersion, Skewness and kurtosis.</li></ul>	8

III	<ul style="list-style-type: none"> <li>Parametric tests : Hypothesis, logic behind hypothesis testing, procedure of hypothesis testing, p-value, Logic and assumptions for parametric test, normal probability plot, one sample t-test, two independent sample t-test, paired t-test, one way ANOVA, two way ANOVA, post hoc test.</li> <li>Non parametric tests : Logic and assumptions for non parametric tests, Wilcoxon test, Mann-Whitney U test, Kruskal Wallis II test, Run test, Chi-square test .</li> </ul>	8
IV	<ul style="list-style-type: none"> <li>Correlation and regression :Simple correlation, partial correlation, simple linear regression, assumptions of regression analysis, Residual analysis.</li> <li>Multiple linear regression, curve linear regression, logistic regression , Data reduction techniques, Factor analysis, discriminant analysis, Cluster analysis, Time series analysis.</li> </ul>	8
<b>Total</b>		<b>32</b>

**Mode of Evaluation:**

1. Written Online Examination

Sr. No	Students Name	Roll No
1	DESHPANDE MAITRAI BHAGWANT	17023
2	CHOUGULE SOUNDARYA SANJAY	17022
3	CHOPADE SWAPNALI ANIL	17024
4	WABLE ESHWARI BHARAT	17077
5	DHADIWAL SURABHI SUNIL	17063
6	SANCHETI SHIVANI PREMCHAND	17072
7	SHINDE SAURABH RAGHUNATH	17044
8	PAWAR AISHWARYA PRAKASH	17062
9	GUNAWARE BHAGYASHRI DILIP	17041
10	BHOSALE ANKITA VINAYAK	17064
11	GUNAWARE RUTUJA RAJENDRA	17040
12	GADE DIPALI BALU	17043
13	NALAWADE RUTUJA SHANKAR	17061
14	MUSANDE AKANKSHA MOHANRAO	17039
15	PATIL SHREYASH ANNA	17075
16	KUMBHAR NIKITA SAMBHAJI	17074
17	CHANDGUDE MAYURI DIPAK	17073
18	MHASE PRIYANKA SHANTARAM	17076
19	INGALE RUSHIKESH DHANANJAY	17079
20	SABANNAWAR SAMYAK SANJAY	17083
21	CHAKANE MAYURI BALASAHEB	17042
22	TAWARE RUTUJA SUYASH	17035
23	ASLEKAR AKANKSHA RAVINDRA	17082
24	INAMDAR TAZMEEN HAMID	17029
25	BHOSALE SAISHRI RAJENDRA	17025
26	HOLKAR JAYDEEP SHANTARAM	17021
27	MOHITE HARSHADA HANMANT	17078
28	MERGAL RAMA SUDHAM	17028
29	PACHPIND SARTHAK DATTATRAYA	17037
30	KAMBALE JAYSHRI ASHOK	17032
31	PATIL RITUJA CHANDRAKANT	17065
32	KHARADE KALYANI KISAN	17036
33	MULLA SAMIYA NASIR	17080
34	DATE AJINKYA CHANDRAKANT	17067
35	BHOITE GAURI ARUN	17081
36	FURSULE RUTUJA PRAVIN	17068
37	FURSULE PURVAJA	17069
38	LOHOTE SOURABH SUNIL	17070
39	JADHAV VISHAL VALMIK	17038
40	JADHAV ANKITA RAGHUNATH	17071
41	KULKARNI AMEY MAHESH	17026
42	SHINDE DIVYA SOMNATH	17027
43	PAWAR SONAJ SUBHASH	17033
44	GAWADE PALLAVI RAMESH	17066
45	MANKAR PRAJKTA SHAHAJI	17031

46	BORATE NILAM KHANDU	17030
47	DESHMUKH SHIVANI SADASHIV	17034