



SOURASHTRA COLLEGE, MADURAI – 625004

(An Autonomous Institution Re-accredited with 'B+' grade by NAAC)

DEPARTMENT OF BUSINESS ADMINISTRATION CERTIFICATE COURSE IN DATA ANALYSIS USING SPSS – SYLLABUS

(Under CBCS based on OBE) (For those admitted during 2024 – 2025 and after)

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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24CBNC41	DATA ANALYSIS USING SPSS – I	CERTIFICATE COURSE	20 Hrs.	-	-

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
I/II/III	Any in Seven	-	100	100

NATURE OF COURSE	Employability <input checked="" type="checkbox"/>	Skill Oriented <input checked="" type="checkbox"/>	Entrepreneurship <input checked="" type="checkbox"/>
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COURSE DESCRIPTION:

This Course helps to gain basic knowledge on data analysis using SPSS.

COURSE OBJECTIVES

- To Familiarize the students with Statistical tools.
- To understand about the working of SPSS.

COURSE OUTCOMES (COs):

After the completion of the course, the students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO 1	understand the Data Analysis concepts	Upto K3
CO 2	understand Statistical methods	Upto K3
CO 3	understand the working of SPSS	Upto K3
CO 4	understand the data import from excel	Upto K3
CO 5	practical exposure on Descriptive statistics	Upto K3

K1- KNOWLEDGE (REMEMBERING), K2-UNDERSTANDING, K3- APPLICATION



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DATA ANALYSIS USING SPSS – I

UNIT– I:

Sampling- Types of Sampling.

UNIT– II:

Questionnaire and Types.

UNIT– III:

Introduction to SPSS- functions, menus.

UNIT– IV:

Data Cleaning- Defining Variables, Manual Input of Data.

UNIT– V:

Data Import from excel

TEXT BOOK:

SPSS: The Ultimate data analysis tool – Steven bright

DIGITAL TOOLS:

<https://www.ibm.com/docs/ai/spss-statistics/24.0.0?topic=base-simulation>

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2					
CO2		1	1			2
CO3		1			1	
CO4				2		1
CO5	2	1			2	1

3. Advanced Application 2. Intermediate Development 1. Introductory Level

COURSE DESIGNER: Dr. K. G. RAJA SABARISH BABU



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24CBNC42	DATA ANALYSIS USING SPSS – II	CERTIFICATE COURSE	20 Hrs.	-	-

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
I/II/III	Any in Seven	-	100	100

NATURE OF COURSE	Employability <input checked="" type="checkbox"/>	Skill Oriented <input checked="" type="checkbox"/>	Entrepreneurship <input checked="" type="checkbox"/>
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COURSE DESCRIPTION:

This Course helps to gain basic knowledge on data analysis using SPSS.

COURSE OBJECTIVES

- To Familiarize the students with Statistical tools.
- To understand about the working of SPSS.

COURSE OUTCOMES (COs):

After the completion of the course, the students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO 1	understand the Data Analysis concepts	Upto K3
CO 2	understand Statistical methods	Upto K3
CO 3	understand the working of SPSS	Upto K3
CO 4	understand the data import from excel	Upto K3
CO 5	practical exposure on Descriptive statistics	Upto K3

K1- KNOWLEDGE (REMEMBERING), K2-UNDERSTANDING, K3- APPLICATION



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DATA ANALYSIS USING SPSS – II

UNIT– I:

Data Import- text data.

UNIT– II:

Visualisation in SPSS- Graphs and Charts

UNIT– III:

Scatter Diagram, Anova and Chi square using SPSS

UNIT– IV:

Correlation and Regression using SPSS.

UNIT– V:

Descriptive Statistics- Mean,Media,Mode, Range, Standard Deviation using SPSS.

TEXT BOOKS:

SPSS: The Ultimate data analysis tool – Steven bright

DIGITAL TOOLS:

<https://www.ibm.com/docs/fi/spss-statistics/24.0.0?topic=base-simulation>

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2					
CO2		1	1			2
CO3		1			1	
CO4				2		1
CO5	2	1			2	1

3. Advanced Application 2. Intermediate Development 1. Introductory Level

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