

**PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR
UNIVERSITY, SOLAPUR**

SKILL DEVELOPMENT CENTRE



**Course Name: Certificate Course in S.P.S.S.
(Statistical Package for Social Science)**

Year- 2023

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

SKILL DEVELOPMENT CENTRE

"Certificate Course in S. P. S. S. (Statistical Package for Social Science)"

Syllabus

Duration of course : 6 Months

Need of Course :

1. SPSS is widely used software in Social Sciences and other disciplines.
2. Nowadays Statistical analysis is must in every field.
3. SPSS is the easiest software to perform statistical analysis.

Employment and Entrepreneurship Opportunities From Course :

1. Student will have added benefit after this course.
2. Student can be get employment in Statistical Consultancy.
3. IT companies also hire personnel with software expertise.

Tentative Fees : _____

Minimum Admission Eligibility for Student : H.S.C.

*Eligibility of Teachers :-
Any graduate with expertise in S.P.S.S.
[Signature]
6.1.24*

SKILL DEVELOPMENT CENTRE
PUNYASHLOK AHILYADEVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR

Inward No. 750

Date 02/09/2023

Clerk Sign [Signature] Co-ordinator Sign. _____

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

SKILL DEVELOPMENT CENTRE

Syllabus Structure

Course Title : “Certificate Course in S. P. S. S. (Statistical Package for Social Science)”

Course Duration : 6 Months

Name of Skill Course	Duration	Name of Paper	Paper	Hours Per Paper	Th.	Int.	Pract.	Credits
Certificate Course in S.P.S.S. (Statistical Package for Social Science)	6 Months	Introduction to SPSS	I	45	80	20	0	3 Credits
		Statistical Analysis using SPSS	II	45	80	20	0	3 Credits
		Practical-I	III	90	-	-	100	3 Credits
		Practical-II	IV	90	-	-	100	3 Credits
Total				270	160	40	200	12 Credits

Abbreviations :

Th.- Theory Evaluation,

Int.- Internal Evaluation,

Pract.- Practical Evaluation.

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Course Title : “Certificate Course in S. P. S. S. (Statistical Package for Social Science)”

SYLLABUS Details

1)	Paper Title	Introduction to SPSS	
2)	Paper No	Paper No.- I	
3)	Objectives of Paper	1. To familiarize the students with SPSS software.	
		2. To get started to use SPSS for analysis purpose.	
4)	Expected out comes from Paper	1. Student will get familiar to the SPSS software.	
		2. Student will be able to input data in SPSS.	
		3. Student will be able to perform the data transformation.	
		4. Sudent will understand the basic concepts of Statistics.	
5)	Content		
	Unit-1	Introduction to SPSS: Introduction to SPSS, Data analysis with SPSS, general aspects, workflow, critical issues, SPSS: general description, functions, menus, commands, SPSS file management, defining variables, - Manual input of data, automated input of data and file import, Class exercise	15 Hour
	Unit-2	Introduction to Statistics: Classification, tabulation, Measures of central tendency, Measures of Dispersion, Probability and Probability Distribution, Methods of Sampling, DOE.	15 Hour
	Unit-3	Data manipulation: Data Transformation, Syntax files and scripts, Output management Class exercise	15 Hour
6)	Reference Book	1. William C. Rinaman: Workshop Statistics: SPSS Software Companion Manual, Key College Publishing, 2004. 2. Ton J. Cleophas, Ton J. M. Cleophas, Aeilko H. Zwinderman: Cookbook for Starters on SPSS, Springer. 3. Eelko Huizingh: Applied Statistics with SPSS, SAGE, 2007.	

1)	Paper Title	Statistical Analysis using SPSS		
2)	Paper No	Paper No.- II		
3)	Objectives of Paper	1. To familiarize the students with Statistical concpets.		
		2. To understand theory of Statistical Tests.		
4)	Expected out comes from Paper	1. Student will be able to describe the data using descriptive statistics.		
		2. Student will be able to apply different statistical tests to the data.		
		3. Student will be able to have analysisof multivariate data.		
5)	Content			
	Unit-1	Descriptive analysis of data: Frequencies,- Descriptive, Explore, - Crosstabs, - Charts, Correlation and regression - Linear correlation and regression, multiple regressions (linear), Class exercise		15 Hour
	Unit-2	Statistical tests: For Means (Large and Small test), T-test, One-way ANOVA, Non parametric tests, Normality tests, test for proportion, Class exercise		15 Hour
	Unit-3	Multivariate Analysis: Factor analysis, Cluster analysis		15 Hour
6)	Reference Book	1. William C. Rinaman: Workshop Statistics: SPSS Software Companion Manual, Key College Publishing, 2004. 2. Ton J. Cleophas, Ton J. M. Cleophas, Aeilko H. Zwinderman: Cookbook for Starters on SPSS, Springer. 3. Eelko Huizingh: Applied Statistics with SPSS, SAGE, 2007.		

1)	Paper Title	Practical-I
2)	Paper No	Paper No.- III
3)	Objectives of Paper	1. To have hands-on experience of using SPSS software. 2. To input or import the data in SPSS.
4)	Expected out comes from Paper	1. Student will get aquiantance with the SPSS software. 2. Student will be able to input data in SPSS. 3. Student will be able to perform the data transformation. 4. Sudent will understand the basic concepts of Statistics.
5)	Content	
	Atleast 10 practicals will be conducted based on Paper-I: Introduction to SPSS.	90 Hour

1)	Paper Title	Practical-II
2)	Paper No	Paper No.- IV
3)	Objectives of Paper	1. To have hands-on experience of using SPSS software. 2. To input or import the data in SPSS.
4)	Expected out comes from Paper	1. Student will get aquiantance with the SPSS software. 2. Student will be able to perform statistical analysis using SPSS. 3. Student will be able to perform the multivariate analysis of the data using SPSS.
5)	Content	
	Atleast 10 practicals will be conducted based on Paper-II: Statistical Analysis using SPSS.	90 Hour