SAINTGITS COLLEGE OF APPLIED SCIENCES PATHAMUTTOM, KOTTAYAM

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DEPARTMENT OF COMMERCE

Value Added Course

Statistical Package for Social Sciences

Course Code - VSSPS004

Course Title	Data Analysis Through SPSS
Year of Introduction	2019
Course Objective	To give a better understanding on Research Methodology and SPSS.
Course Outcome	CO1- Elucidate the basic concepts of Research Methodology.
	CO2- Identify descriptive statistics.
	CO3- Test for hypothesis.
	CO4- Analyse data using SPSS.
	CO5- Develop content for report writing.
Hours	60 Hours

COURSE CONTENT

Module-1			CO
Module Title	Research Methodology (13 Hours)		
Meaning			1
Research Method and Methodology			
Research Process			
Types of Research			
Research Design			
Sample Design			
Sample size determination			
Data Collection and Methods of Data Collection			

Setting up of Questionnaire		
Objectives, Types of Objectives		
Rules for setting up Research Objectives		

Module-2		CO
Module Title	Descriptive Statistics (7 Hours)	
Arithmetic Mean		2
Mean Deviation		
Standard Deviation		
Correlation- Karl Pearson Coefficient of Correlation		

Module 3		CO
Title	Testing of Hypothesis (8 Hours)	
ANOVA		
Chi-Square		3
Factor Analysis		
Independent Sample T Test		

Module 4		CO
Title	SPSS (21 Hours)	
What is SPSS?		4
Basic operations in SPSS		
Getting started in SPSS		
Entering Numeric Data in Data Viewer		
Entering String Data		
Defining Data and Adding Variable Labels		
Changing Variable Type and Format		
Adding Value Labels for Numeric Variables		
Data Analysis with SPSS		
Generating a Frequency Table		
Generating a Pie Chart		

Generating a Histogram	
Generating Arithmetic Mean, Median, Mode, Standard Deviation	
Generating Chi-Square test and Correlation Analysis	

Module 5		CO
Title	Report Writing (11 Hours)	
Essentials of a good report		5
Steps in Report writing		
Layout of a Report		
Rules in writing up of the report		
Types of Report		
Citing References		
Documentation		
List of UGC referred journals		
Ethics in writing a research report		
Plagiarism		
Steps to avoid plagiarism		
Types of Plagiarism		

Syllabus drafted by,

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