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SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2020-'21

SAINTGITS COLLEGE OF APPLIED SCIENCES * PATHAMUTTOM, KOTTAYAM *

STATISTICAL PACKAGE FOR SOCIAL SCIENCES

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ABOUT THE COURSE

The program aims to give an introduction to the software SPSS (Statistical Package for Social Sciences) that caters the analysis need of researchers. The program aims to give ideaabout entering data into SPSS, processing of the data, questionnaire entry, descriptive analysis and writing of interpretation.

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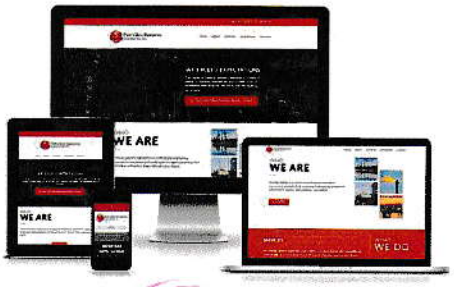
THE COURSE ENABLES THE STUDENTS TO US SPSS IN THEIR FUTURE RESEARCH AND PROJECT WORKS

OBJECTIVES

- To understand the SPS
- To enter questionnaire and to perform data analysis through SPSS

EXPECTED OUTCOMES

Knowledge of doing basic descriptive analysis through spss



DURATION

MODULE	TIME
1	10
2	10
3	10

Total Duration - 30 hours

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FEATURES

Use of SPSS data in analysis

Practical (lab based) learning and individual task completion activities

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SYLLABUS

MODULE 1

Introduction to SPSS – Basics of Correlation and regression- descriptive analysis – basic components in SPSS- Importance and Uses.

MODULE 2

Data entry – manual and import of data from MS Excel – Data coding –item id creation. Basics of M.S Excel-Powerpoint .

MODULE 3

Descriptive Analysis –Cross tabulation – correlation – pearson – spearmans – regression – basics – interpretation of results

ADVANTAGES

The students can learn and equip themselves with SPSS use in future projects and research works

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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		3
Chi-Square		
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		

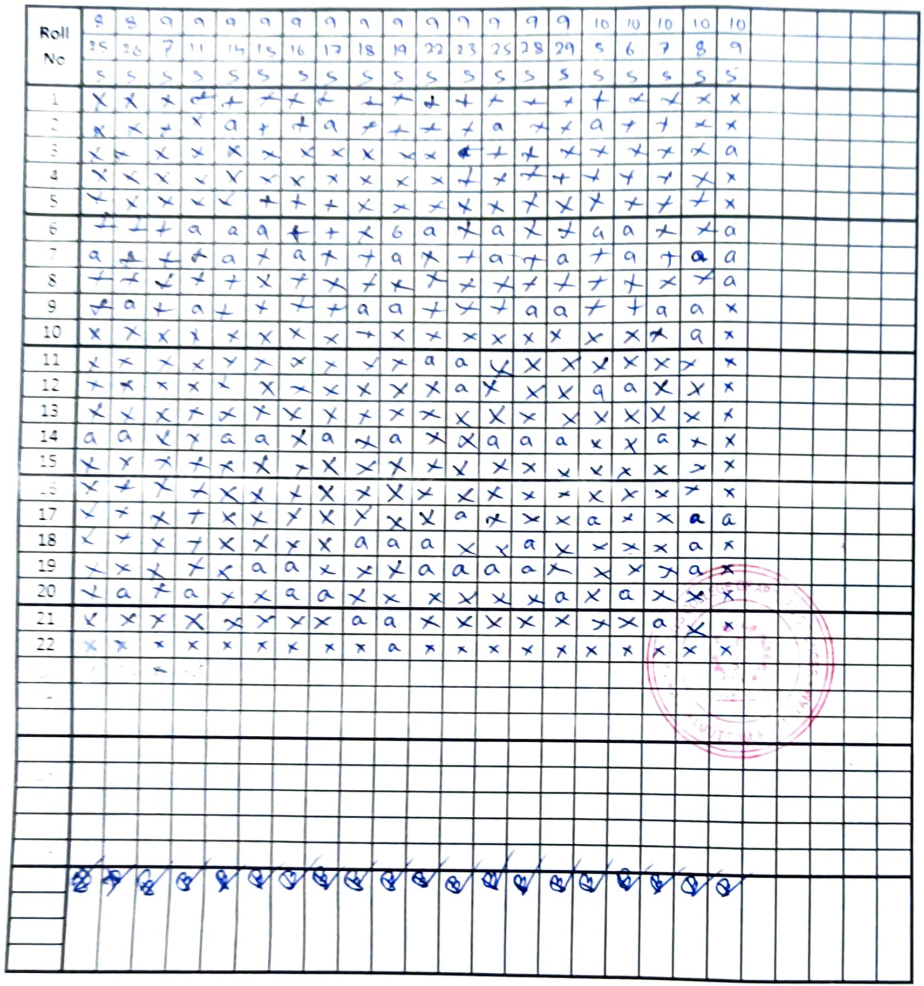
Syllabus drafted by,

Asst.Prof Reshma R

Verified by,

Asst.Prof Anish B Bhaskaran

(HOD Department of Commerce)

SPSS

Roll No	Name of Student																				
		Month	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
		Date	1	2	3	24	27	28	29	5	6	7	10	11	12	13	14	17	18	19	21	24
		Hour	5	5	5	5	5	5	5	5	5	5	5	5	5	4	3	5	5	5	5	5
1	AISWARYA SURESH		x	x	x	x	x	a	x	y	x	x	x	x	x	x	x	x	x	x	x	y
2	AMAL SREEKUMAR		a	x	x	x	x	x	x	x	x	x	a	x	a	a	x	x	x	x	x	a
3	ANINA B KOTTARAM		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	y	x	x	x
4	ANKITHA MARIAM MANI		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	ARCHANA K S		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	BIJO BABU		x	x	x	x	x	x	x	x	a	a	a	x	x	a	x	a	a	x	x	a
7	DEEPAK V S		x	x	a	x	x	x	x	x	a	a	x	x	x	x	x	a	a	x	a	a
8	DEVU SAJI		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	JAMES C		x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x
10	JOSH VARGHESE ABRAHAM		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a
11	JUDY RAJAN		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	MERRINE KURUVILLA		x	x	x	x	x	x	x	x	a	x	a	x	x	x	x	a	x	x	x	x
13	NISHA ELIZABETH MATHEW		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	PARVATHI H WARRIER		x	x	x	x	x	x	x	a	x	a	x	x	x	a	x	a	a	x	a	a
15	PRANAV RAJ		x	x	x	x	x	x	x	a	x	a	x	x	x	x	x	x	x	x	x	x
16	PRINCY SARA JACOB		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	REEMA MATHEW		x	x	x	x	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x
18	REJU THOMAS		x	x	x	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x
19	SHOBU ANDREWS SCARIA		a	x	x	x	x	x	x	x	a	x	x	x	a	x	a	a	a	x	a	x
20	SNEHA B SOMAN		x	x	a	x	x	a	x	x	a	x	a	a	x	x	x	a	x	x	x	a
21	TELMA GEORGE		x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x
22	TINU VARGHESE		x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x