



# ST FRANCIS DE SALES COLLEGE

Permanently Affiliated to Bangalore University

Electronics City, Bengaluru - 100

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## FACULTY ENRICHMENT PROGRAM

### "AN ORIENTATION ON SPSS"

ORGANISED BY

RESEARCH & IP CELL

IN COLLABORATION WITH

DEPARTMENT OF COMMERCE

ACME

(ASSOCIATION OF COMMERCE FOR MANAGERIAL EXCELLENCE)



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Asst. Professor  
Department of Professional Studies  
Christ (Deemed to be University)

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Associate Professor  
Department of Professional Studies  
Christ (Deemed to be University)



**Date : 27<sup>th</sup> & 28<sup>th</sup> January, 2022**

**Timing : 2:00 PM to 5:00 PM**

**Link : <https://meet.google.com/wkw-spho-vud>**



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## REPORT ON FACULTY ENRICHMENT PROGRAM "AN ORIENTATION ON SPSS"

Title	FACULTY ENRICHMENT PROGRAM "AN ORIENTATION ON SPSS"
Date of Event(s)	27 <sup>TH</sup> February 2022
Department / Association	Research and IP cell in collaboration with Department of Commerce – ACME
Venue	Virtual platform (google meet)
Number of Participants	26
Target Audience	Faculties

Resource Person(s) with qualification	DR. SENTHIL KUMAR A (Assistant professor) DR. SERANMADEVI R (Associate professor)
Books (if published)	-

Place of visit/ details of Industrial visit place (if applicable):	-
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### Objective:

The objective of conducting the orientation on SPSS for faculties are: To understand the basics of research methodology and nature of data, to understand the basic concepts of statistics involved in hypothesis testing, to understand the selection criterion of the appropriate statistical technique and to use SPSS for data analysis and interpretation of the respective SPSS output. This FDP intended to help faculty members in sharpening their analytical skill through SPSS. The program is designed to cover all relevant aspects of statistical data analysis and advance statistical techniques.

## **Introduction:**

With the encouragement and support from principal and vice principal, The Research and IP cell in collaboration with Department of Commerce – ACME organized a FACULTY ENRICHMENT PROGRAM “AN ORIENTATION ON SPSS” ON 27<sup>TH</sup> & 28<sup>TH</sup> February 2022 at 2:00 p.m. to 4:30 p.m. Prof Sathiswari welcomed the gathering the session was started by invoking gods blessings by prof Johnson. Prof Nagrathna welcomed our esteemed Resource person, DR. SENTHIL KUMAR A (Assistant professor), Department of Professional studies, Christ (Deemed to be University) and DR. SERANMADEVI R (Associate professor), Department of Professional studies, Christ (Deemed to be University). The webinar received a huge response from participants. The webinar was attended by all the participants on google meet.

DR. SENTHIL KUMAR A and DR. SERANMADEVI explained the terms related to research, ways of forming questionnaire and also explained the most used software SPSS i.e. “Statistical Package for the Social Sciences”, and it’s used by various kinds of researchers for complex statistical data analysis. It is used by market researchers, health researchers, survey companies, government entities, education researchers, marketing organizations, data miners, and many more for the processing and analyzing of survey data. Hence it was a great need of exploring the aspects of data science through SPSS.

The first session was taken up by both the resource persons of Department of Professional studies, Christ (Deemed to be University). Who gave their insights on data handling and descriptive analysis. They also mentored the participants on various measures of central tendency used, appropriate measurement scales in SPSS. They extensively elaborated various operations used in SPSS such as sort cases, value labels, compute variables, recoding the variables, split file and many more of such concepts. They were also simultaneously resolving the doubts of the participants in the chat section. Finally, the hands-on session enabled the participants to grasp the concepts very well.

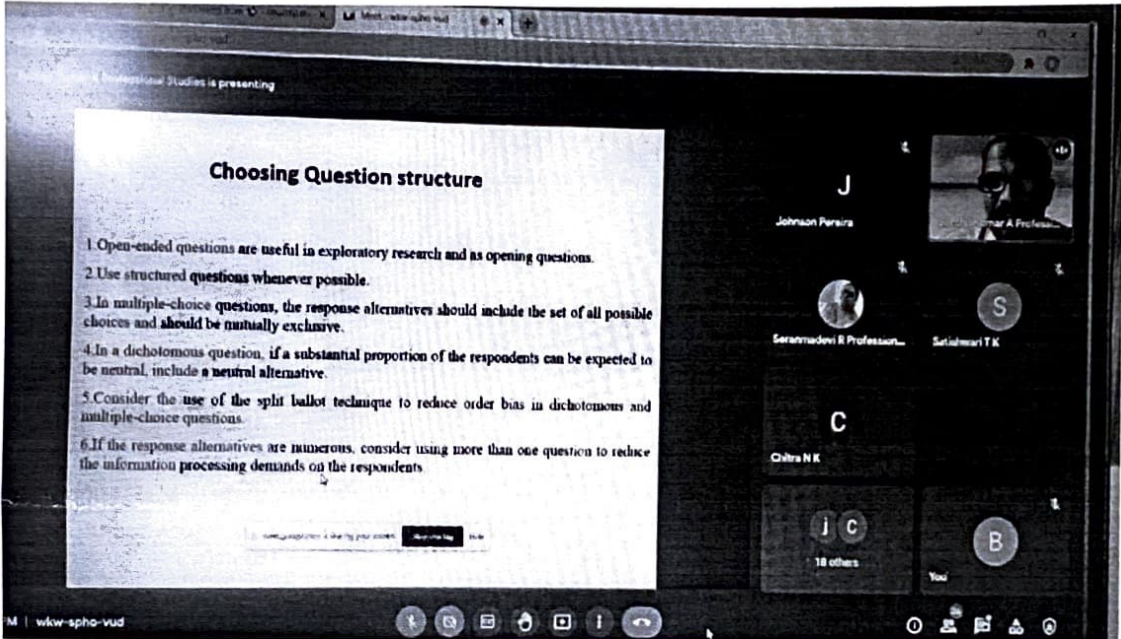
DR. SENTHIL KUMAR A (Assistant professor), Department of Professional studies, Christ (Deemed to be University) started by firstly explaining the concepts involved in the graphical representation. After that he gave emphasis on the hands-on practice for different types of curves and graphs. It comprised of bar chart, pie chart, histogram, boxplot, scatter plot, and their application in SPSS. He meticulously explained all the nuances of creating a graphical representation of the data and how to edit the plot as per the requirements by the help of chart editor.

They explained basic of the statistician test in the first session, the types of correlation test used under different circumstances such as Pearson’s correlation and Spearman correlation test. It was subsequently followed by building the model for performing regression analysis, checking the assumptions. They also explained vividly various nuances of the regression analysis and

interpretation through plots and tests used in the model during the hands-on practice session.

All most all the participants was active throughout the session and had asked the queries relating to it. The resource person also felt very happy for the active participation of the participants. After the extensive discussion on different points. The session ended by vote of thanks by prof.kavyashree. The feedback form link was also shared with the participants.

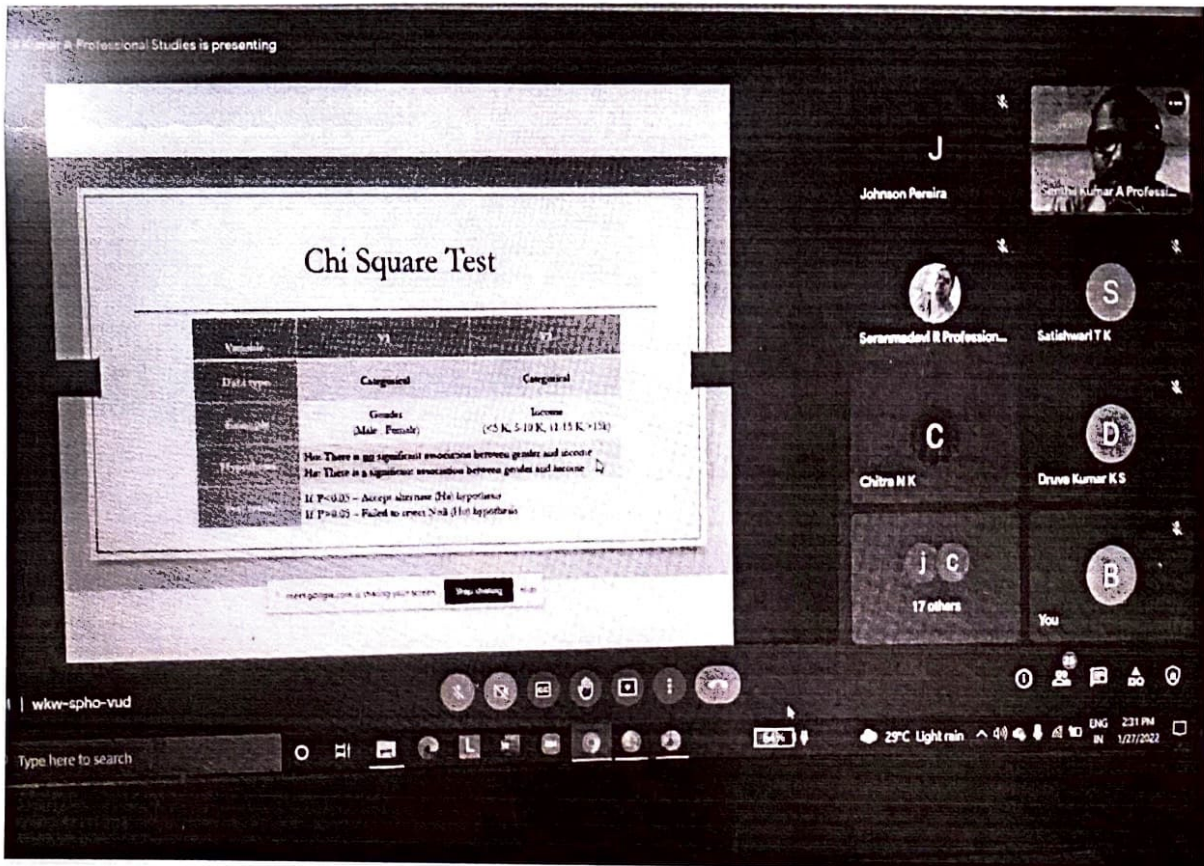
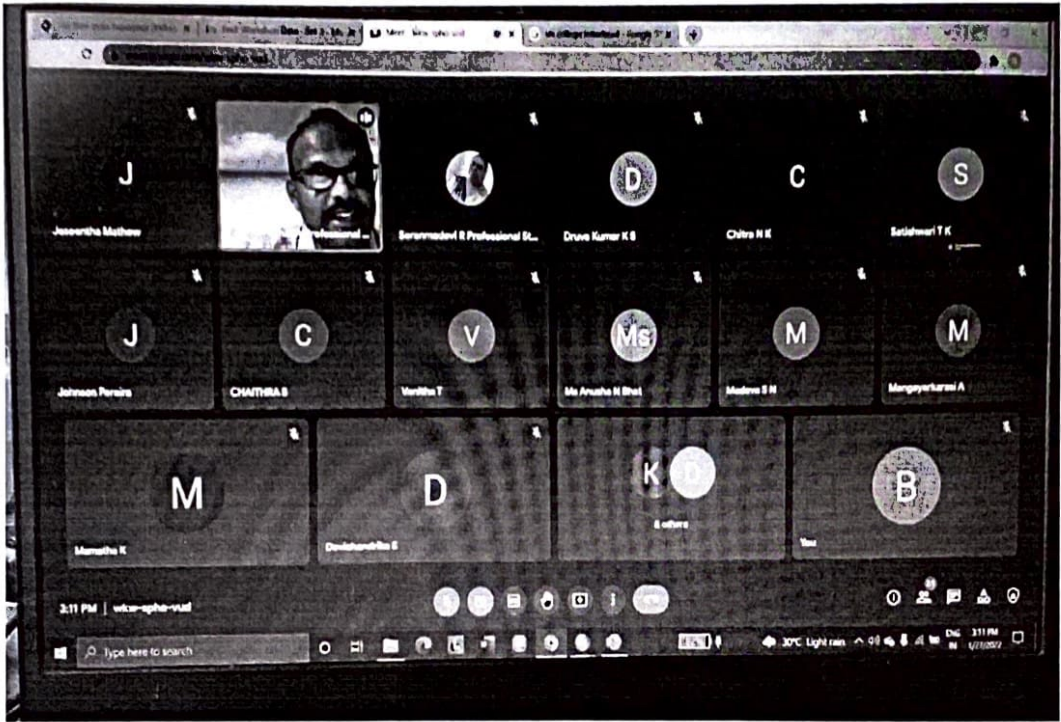
## SCREENSHOT OF THE WEBINAR



The screenshot shows a webinar interface. The main content is a slide titled "Choosing Question structure" with the following points:

1. Open-ended questions are useful in exploratory research and as opening questions.
2. Use structured questions whenever possible.
3. In multiple-choice questions, the response alternatives should include the set of all possible choices and should be mutually exclusive.
4. In a dichotomous question, if a substantial proportion of the respondents can be expected to be neutral, include a neutral alternative.
5. Consider the use of the split ballot technique to reduce order bias in dichotomous and multiple-choice questions.
6. If the response alternatives are numerous, consider using more than one question to reduce the information processing demands on the respondents.

On the right side of the screen, there is a participant list with several icons and names, including Johnson Pereira, Saranmadevi R Profession..., and Serialmar T K. At the bottom, there are icons for chat, mute, and other webinar controls.



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