



Gujarat Technological University School of Management Studies

A Report on

One day Training on Use of Statistical Software in Data Analysis

Type of Event : Workshop/Training

Date : 3rd May, 2025

Time : 10:30 AM

Venue : Computer Lab, GSMS

Description : The primary goal of this session was to provide students with practical knowledge about the SPSS software, a statistical tool widely used for data analysis in academic research. The session was designed to enhance students' understanding of statistical techniques and their applications in research methodology. The session was honored by the presence of Dr. Bhavesh Parmar, Assistant Professor, National Forensic Science University, Gandhinagar who served as the expert trainer for the day, and was conducted in the Computer Lab and the session was coordinated by Dr. Kaushal Bhatt, Associate Professor at GSMS. More than 65 students of MBA (IB) Semester-2 participated in the training workshop with full enthusiasm.

Expert : Dr. Bhavesh Parmar, Assistant Professor, National Forensic Science University, Gandhinagar

On 3rd May 2025, a practical workshop on SPSS Data Analysis was conducted at the Computer Lab of the Graduate School of Management Studies, led by expert Dr. Bhavesh Parmar. The session was designed to introduce students to the foundational and advanced features of the SPSS (Statistical Package for the Social Sciences) software, focusing on its applications in academic research and data interpretation. Dr. Parmar began the session by demonstrating



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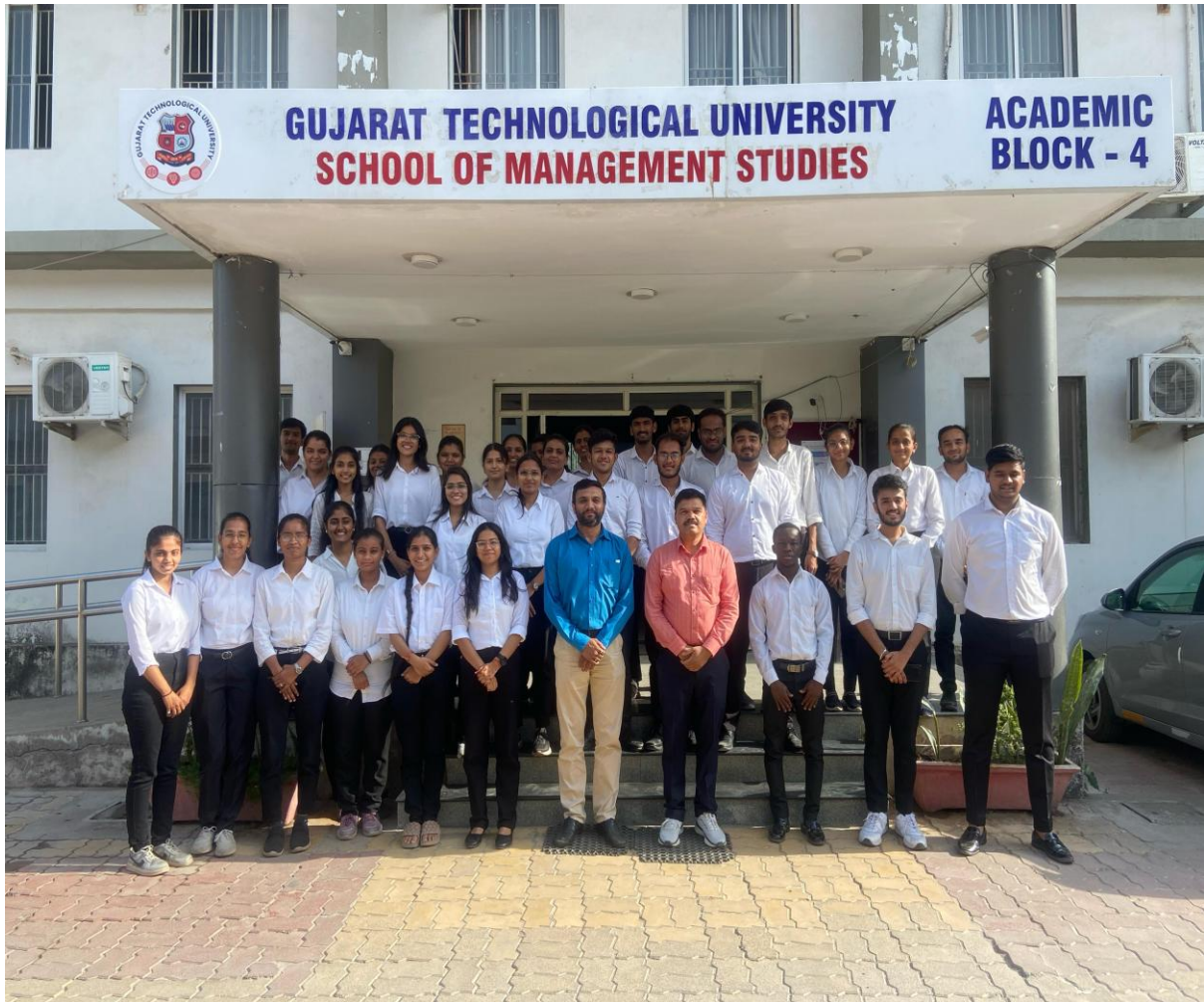
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how to create a new data file in SPSS, guiding students through the process of defining variables, assigning appropriate variable names and labels, setting measurement levels (nominal, ordinal, scale), and entering raw data into the Data View. He explained the significance of accurate data coding and how to prepare datasets for statistical analysis. Students learned how to use the software to perform descriptive statistical analysis, including calculating the mean, median, mode, standard deviation, minimum, and maximum values, which provided an overview of data distribution and central tendencies. He then introduced the “Compare Means” function, particularly the Independent Samples T-Test, which is used to determine whether there is a statistically significant difference between the means of two independent groups. Using real-life examples, he explained the interpretation of test results such as the t-value, degrees of freedom, and the p-value, emphasizing how to assess whether differences between groups are due to chance or reflect meaningful patterns. The session also included an in-depth demonstration of the Chi-Square Test of Independence, used to examine the relationship between two categorical variables. Dr. Parmar illustrated how to set up cross-tabulations in SPSS, interpret expected counts, and analyze the significance of associations using the Chi-square statistic and p-values. Additionally, students were taught how to read and interpret SPSS output tables and graphs, as well as how to report findings in research formats. The workshop was highly interactive and application-oriented, offering students essential skills in handling survey data, selecting appropriate tests based on variable types, and drawing statistically valid conclusions. The session successfully bridged the gap between theoretical statistics and practical data analysis, and students expressed sincere appreciation to Dr. Bhavesh Parmar for his insightful and clear teaching, which significantly enhanced their ability to conduct quantitative research with confidence



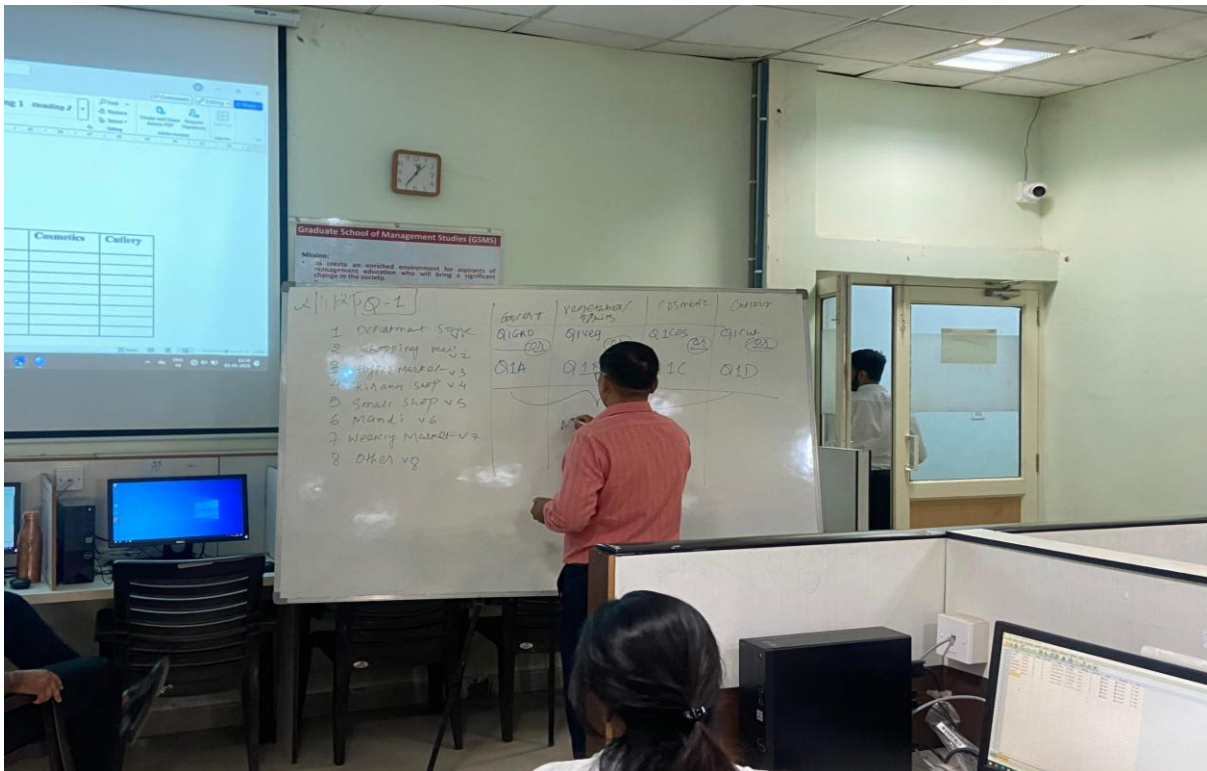
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Photographs of the Event:





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Flyer of the Event:



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Accredited with A+ Grade by NAAC)

One day Training on

Use of Statistical Software in Data Analysis

with Eminent Speaker

Dr. Bhavesh Parmar
Assistant Professor,
National Forensic Science University



 03-05-2025

 Computer Lab, GSMS

 10:30 AM

Invitee
Dr. Pankajray Patel
Director - GSMS

Coordinator
Dr. Kaushal Bhatt
Associate Professor

Locate us @ : GTU SMS, Academic Block-4, GTU Campus, Visat Gandhinagar Highway,
Chandkheda, Ahmedabad Gujarat

→      @GTUSMS ←



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Feedback of the Event:

The workshop on SPSS Data Analysis, held on 3rd May 2025 at the Computer Lab of the Graduate School of Management Studies, was highly engaging and informative. Participants appreciated the structured approach and interactive learning methodology employed by Dr. Bhavesh Parmar. The session equipped students with valuable analytical skills necessary for conducting quantitative research and data interpretation. Many attendees highlighted how the hands-on demonstrations helped them grasp the complexities of statistical analysis, particularly in areas like descriptive statistics, t-tests, and Chi-Square tests. They found the session to be directly applicable to their academic and professional aspirations. The session also encouraged curiosity among students, motivating them to explore more advanced aspects of data analysis. The event would not have been possible without the guidance and support of Dr. Kaushal Bhatt, whose coordination ensured a smooth and effective learning experience.