

DETAILED REPORT

"Workshop on Advanced Data Analysis Using SPSS"

Date: February 20, 2025

Venue: Conference Room

Time: 9:00 AM onwards

Introduction

Gian Jyoti Institute of Management and Technology (GJIMT) successfully organized a workshop on "Advanced Data Analysis Using SPSS" on February 20, 2025. The workshop aimed to enhance participants' skills in data analysis and interpretation using SPSS, a widely used software tool in statistical analysis.

Resource Person

The workshop was conducted by Dr. Pooja Soni, Assistant Professor at the University Business School (UBS), Panjab University. Dr. Soni is an expert in data analysis techniques and has extensive experience in applying SPSS for various research purposes. Her session provided invaluable insights into advanced methods of data analysis.

Objectives of the Workshop

The primary objectives of the workshop were to:

- Introduce participants to advanced features and functionalities of SPSS.
- Provide hands-on training in data analysis, covering topics such as regression analysis, ANOVA, and factor analysis.
- Enable participants to interpret and present their data findings in a clear and coherent manner.
- Teach the practical application of SPSS for research purposes, improving the participants' ability to analyze complex datasets.

Sessions and Activities

The workshop began at 9:00 AM, with Dr. Pooja Soni providing a brief introduction to the SPSS software, explaining its role in data analysis. She then guided the participants through the process of uploading and preparing data for analysis. The session was interactive, with participants actively engaging in discussions and practical exercises.

Dr. Soni covered various advanced data analysis techniques, such as:

- Regression Analysis: Participants were shown how to analyze the relationship between variables and predict outcomes.
- Analysis of Variance (ANOVA): The technique was explained in detail, demonstrating how to compare means among groups and test hypotheses.

- Factor Analysis: Dr. Soni walked the participants through the process of identifying underlying factors that influence data patterns.

Throughout the session, Dr. Soni emphasized the importance of accurate interpretation of results and demonstrated how to present findings in clear graphical representations and reports. Participants were given the opportunity to work on datasets and practice using the discussed techniques.

Attendance

A total of 34 students attended the workshop. The participants were primarily from the fields of management, business studies, and social sciences, with a keen interest in enhancing their data analysis skills. The students engaged actively during the practical sessions, solving problems and asking questions related to the application of SPSS in their research.

Conclusion

The “Advanced Data Analysis Using SPSS” workshop was successfully conducted, and the feedback from participants was overwhelmingly positive. The hands-on approach and practical demonstrations provided participants with the necessary skills to perform advanced data analysis using SPSS. 34 students attended the workshop and left with enhanced knowledge of statistical analysis techniques and the ability to apply them in their research work.

This workshop served as an essential learning experience for students seeking to improve their data analysis capabilities and has contributed significantly to their academic development.