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K S SCHOOL OF ENGINEERING & MANAGEMENT

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Department of Management Studies & Research

Report on Invited Talk

"Workshop on Analyzing with SPSS - From Data Collection to Interpretation"

Chapter/Organizer	**Department of Management Studies & Research**
Event Name	Workshop on *"Analyzing with SPSS - From Data Collection to Interpretation"*
Event Date	**Date: 26/03/2025** **Time: 9:00 am to 3:30 pm**
Number of Participants	70
Place	**KSSEM – AI & DS Seminar Hall**
Number of Hours of Event	**6.5 Hours**
Number of Faculty Member Involved	**1**
Photo/Video of the Session	https://drive.google.com/drive/folders/1YyUPBl7e90m4-E4zCd4eoaMKknBXr3J3?usp=sharing
Social Media Post	**INSTAGRAM** https://www.instagram.com/p/DHqY-EJyFRe/?igsh=M3FxcGpoeWEyeTlx **FACEBOOK** https://www.facebook.com/share/18khHutAMv/ **LINKEDIN** https://www.linkedin.com/posts/kssem-mba-department-394b50211_kssem-mbaworkshop-spss-activity-7311019519827722240-7j_z?utm_source=share&utm_medium=member_android&rcm=ACoAADW9qyABAy0GZbvOAZ438RMymzW6AQ-tOz8

Objective:

The primary objectives of this workshop are:

- To introduce participants to SPSS and its applications in data analysis.

- To demonstrate the process of data collection, cleaning, and preparation for analysis.

- To provide hands-on experience in performing descriptive and inferential statistical analysis using SPSS.

- To enhance the ability to interpret and present findings effectively.

- To equip participants with the necessary skills to apply SPSS in academic and professional research.

Session Overview:
Session 1: Introduction to SPSS and Data Handling
- Overview of SPSS interface and functionalities
- Importing and managing datasets
- Data cleaning and preparation techniques

Session 2: Descriptive Statistics and Visualization
- Summarizing data using mean, median, and standard deviation
- Creating graphs and charts for data visualization
- Exploring frequency distributions and cross-tabulations

Session 3: Inferential Statistics and Hypothesis Testing
- Understanding correlation and regression analysis
- Conducting t-tests, ANOVA, and chi-square tests
- Interpreting statistical results

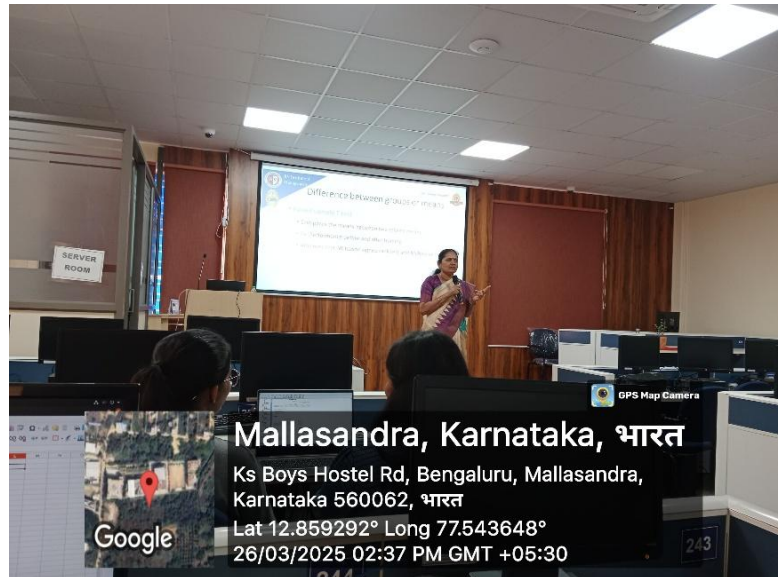### Session 4: Advanced Data Analysis and Interpretation
- Factor analysis and principal component analysis (PCA)
- Time series analysis and forecasting
- Reporting and presenting findings effectively

Resource Person Dr. Tamizharasi D, Professor, RVIM addressing students on SPSS

Students during Hands on Workshop on Analyzing SPSS

Feedback:

Following the workshop, participants provided the following feedback:

- The hands-on approach enhanced their understanding of SPSS functionalities.
- The practical examples made statistical concepts more relatable.
- The session on hypothesis testing and regression analysis was particularly insightful.
- Some participants suggested an extended workshop for more advanced topics.
- Overall, participants expressed high satisfaction with the quality of instruction and materials provided.

Acknowledgments:

We extend our gratitude to:

- The resource persons and trainers for their expertise and engaging sessions.
- The organizing committee for their meticulous planning and execution.
- The participants for their enthusiastic involvement and valuable feedback.
- The institution for supporting this initiative and providing the necessary resources.

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Coordinator

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