A.V. College of Arts, Science & Commerce

Gagan Mahal, Hyderabad-029.

ACTIVITY REPORT – 2024-2025

1. Title of Event: Workshop on **"Statistical Process for Data Science Using R"**

2. Date of Event: 19th and 21st December **2024**

3. Name of organizing Department: M.Sc. (Data Science) and Statistics.

4. Name of Coordinators: M. Kiran Kumar , K.Shivani and R. Mahesh

5. No. of Participants: 35

6. Objective: The objective of a workshop on "Statistical Process for Data Science Using R" would typically aim to equip participants with the necessary statistical and data analysis skills, leveraging the powerful R programming language. This workshop would be ideal for individuals looking to strengthen their analytical skills, particularly those aspiring to become data scientists or those who want to incorporate statistical analysis into their decision-making processes using R.

7. Outcomes:

Day - 1

1. **Understanding Statistical Methods**: Teaching the fundamentals of statistics essential for data science, such as hypothesis testing, regression analysis, and probability distributions

2. **Applying Statistical Models**: Training on how to apply various statistical models for data analysis, such as linear regression, ANOVA, clustering, and time series analysis.

3. **Data Cleaning and Preprocessing**: Highlighting methods for data wrangling, handling missing data, and transforming datasets into formats suitable for analysis.

4. **Improving Decision-Making**: Fostering skills to make data-driven decisions based on statistical insights, which is crucial in various fields such as business, healthcare, and social sciences.

Day – 2

1. **R Programming Proficiency**: Introducing participants to R, focusing on data manipulation, visualization, and implementing statistical techniques using R packages.

2. **Data Visualization**: Demonstrating the creation of insightful graphs and charts in R to visualize complex data patterns and statistical relationships.

3. **Real-World Data Science Application**: Using case studies and datasets to show how to approach data analysis problems from a real-world perspective, developing an understanding of practical applications.

4. **Hands-On Learning**: Providing opportunities for participants to practice what they've learned by working through exercises, coding challenges, and projects with guidance from the instructors.

DEPARTMENT OF DATA SCIENCE
&
STATISTICS

Invites you to workshop on

STATISTICAL PROCESS FOR DATA SCIENCE USING R

DECEMBER 19TH & DECEMBER 21ST, 2024

AV PG-ROOM

Prof. N.Ch.Bhatra Charyulu

Prof. G.Jayasree

Mr. Aditya Srinivas

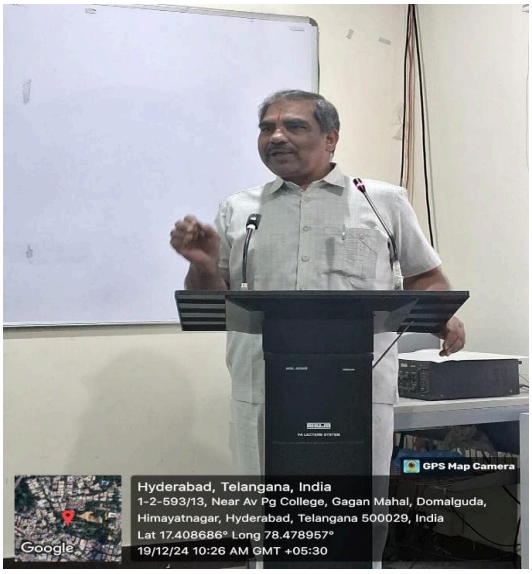
Dr.M.Bhagavantha Reddy











DIRECTOR PRINCIPAL