



Academic
Staff College

**Report on
A Three – Days
Workshop On
“Data Science Using R Programming”**

**Organized by
Academic Staff College
From 03.12.2019 to 05.12.2019**

K L Academic Staff College organised three-day workshop on **Data Analysis with R Programming** from 3rd to 5th December 2019. **Dr. D. Srinivasa Rao**, Professor in Business Analytics and in-charge for Centre for Data Analytics, KLUBS, **Dr. M. R. Narasing Rao**, Professor and **Dr. T. Sajana** Assoc. Professor Dept. of CSE were the resource persons. The faculty members from various departments have registered and attended the workshop.

Objectives of the workshop as follows:

At the end of the workshop the participants will be able to:

- Get familiar with Data Types
- Understand the various data structures in R
- Perform basic descriptive analysis with R
- Learn Data Visualization with R
- Learn basics hypothesis testing procedures in R

Data Analysis is an important component of scientific research. Application of appropriate statistical techniques and software to data is crucial for data analysis. R programming is considered to be the **Golden Standard in Data Analysis** in academic community across the world and its flexibility is arguably unmatched by any other statistics program. The proposed workshop is primarily meant for the faculty and the Doctoral Scholars at KLU. The workshop is aimed at helping the participants in improve their analytical skills by applying various statistical techniques using R programming.

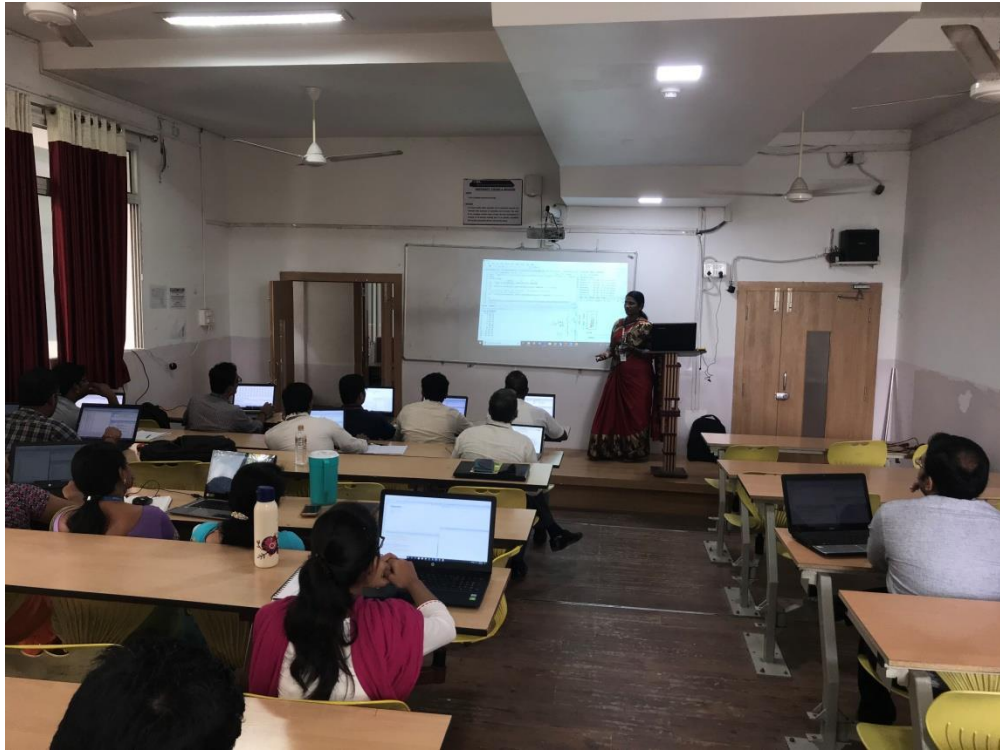
The resource person Dr. D. Srinivasa Rao highlighted the following topics during introduction to Data Analysis, Data and types besides dealing with Data Analysis: its concept, Process and Types. He also introduced R and its advantages. Later he explained about Installing R and R Studio, CRAN, R Base, R Studio and R Packages.

Dr. M. R. Narasing Rao, Professor and Dr. T. Sajana explained the Basics of R, Operators in R, Data structures in R, Basic Functions in R. and Statistical Functions in R. He outlined Descriptive Data Analysis with R Case study. Later he discussed Confirmative Data Analysis with R and later he discussed R-Programming with Case Study.

Dr. Ch. Hanumantha Rao, Principal, ASC, Dr. B. Siva Nagaiah, Vice Principal, ASC appreciated the resource persons Dr. R. Srinivasa Rao, Dr. M. R. Narasing Rao, Professor and Dr. T. Sajana for conducting the workshop to the satisfaction of the participants. The participation certificates were distributed at the end of the workshop.









Group Photo