



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTU Anantapur) Dr.D.K.Audikesavulu
Marg, Murukambattu Post, Chittoor – 517127

**Two day Workshop
On
“Fundamentals of R programming”**



Introduction: R is a language and environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories by John Chambers and colleagues. R can be considered as a different implementation of S. There are some important differences, but much code written for S runs unaltered under R.

R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering) and graphical techniques, and is highly extensible. The S language is often the vehicle of choice for research in statistical methodology, and R provides an Open Source route to participation in that activity.

Objectives:

1. Install, Code and Use R Programming Language in R Studio IDE to perform basic tasks on Vectors, Matrices and Data frames.
2. Describe key terminologies, concepts and techniques employed in Statistical Analysis.
3. Define, Calculate, Implement Probability and Probability Distributions to solve a wide variety of problems.
4. Conduct and Interpret a variety of Hypothesis Tests to aid Decision Making.

Speaker's Details : Dr.K.Prathyusha, Associate Professor, ECE, NRI Institute of Technology

Date : 2nd and 3rd April 2021

Target Audience : III year ECE Students (89 students)

Organised by : Department of ECE, SITAMS.