



MALLAREDDY COLLEGE OF ENGINEERING & TECHNOLOGY



(Autonomous Institution – UGC, Govt. of India)

TWO DAYS WORKSHOP ON “STATISTICAL VISUALIZATION AND ANALYSIS”

DATE:-16 & 17 OCTOBER 2023

VENUE: PLACEMENT BLOCK LAB

Statistical Visualization and Analysis workshop was conducted on 16th & 17th October 2023 by Mr. Dattatreya Goud, a speaker, Decode Soft Tech Solutions Pvt Ltd, and a very well knowledge resource person in the field of Data Science and Machine Learning. The main objective of this workshop was to make aware of the latest technologies, which is not part of their curriculum. As R Programming has become one of the most prominent and in demand programming language, this workshop was planned to give students sufficient knowledge and technicality which may prove to be more beneficial and fruitful for them during their respective career path. The venue for the workshop is at Placement Block Lab. The workshop was conducted from 9.30 am to 4.00 pm for two days. Around 135 students of third year have participated and got benefited.

The speaker began the workshop by throwing light on the general technological trends and the emergence of machine learning and data science as one of the fastest growing technologies of this time and their need in the current growth rate of data production. The students were also briefed about the general concepts of data science and machine learning and also given valuable insights in the career opportunities available in this field.

Schedule of the workshop is given below.

Day 1

1. Installation and downloading, features of R programming and its interface
2. Declaration and assignment of variables and how to print them
3. Types of data types and syntax for finding the data type of a variable
4. Types of Operators (symbol, usage, examples)
5. Conditional and unconditional statements (syntax, examples) and syntax for taking input from the user, Types of loops (syntax, examples) & Sequence function, usage of range in them
6. Vector (syntax, example), other built-in functions like min (), max (), prod (), sum (), mean (), median ()
7. Programs regarding above topics and assignment questions

Day 2

1. How to import and export a csv file, and their manipulations
2. Introduction to data frames and their manipulations.
3. Machine learning workflow and its applications
4. Data visualization using tableau

SESSION @ WORKSHOP #DAY 2

