VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

II Yr I SEM

DATA VISUALIZATION THROUGH R-PROGRAMMING

Week - 1

1. Write a R Program to create and name a Vector.
2. Write a R Program to implement vector subsetting.

Week - 2

1. Write a R Program to create and name a Matrix.
2. Write a R Program to implement Matrix Subsetting.

Week - 3

1. Write a R program to Access list elements and Manipulate list elements.
2. Write a R program which converts list into a Vector.

Week - 4

1. Write a R program to Control flow statements:
    a. If condition
    b. If-else condition
2. Write a R program to implement Iterative statements:
    a. For loop
    b. While loop
3. Write a R program to demonstrate usage of
    a. Repeat
    b. Break
    c. Return
    d. Next

Week - 5

1. Write a R program to find the reverse of a given number using functions.
2. Write a R program to find the factorial of a given number using recursion.

Week -6

1. Write a R program to demonstrate R Packages.

Week - 7

1. Write a R program to calculate mean, media.

Week - 8

1. Write a R program to implement
    a. Factor levels
    b. Summarizing Factors
    c. Comparing Ordered factors

Week -9

1. Write a R program to implement.
    a. Subsetting of Data Frames.
    b. Extending Data Frames.
    c. Sorting Data Frames.

Week - 10

1. Write a R program to demonstrate
    a. Lapply ()
    b. Sapply ()
    c. Split ()