IV Year I Semester   **L   T   P   C**

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STATISTICS USING R LAB

Lab Session:
1. Install R Studio Environment Setup.
2. Implement R Programs to create data set using Vector, List and Matrices.
3. Implement R Program to Store data using Arrays.
4. Implement R program to store dataset using Data Frame.
5. Implement R Programs for Loops and Control Statements.
6. Implement R program for functions.
7. Implement R Program to Use built in graphical functions.
8. Implement R commands for probability distributions.
9. Implement built in R functions for sample statistics and Statistics tests.
10. Implement R Program to predict data using Regression models.

Text Books:
1. Miller and John E. Freund, Probability and Statistics for Engineers, Prentice Hall of India.
2. G. Jay Kerns, Introduction To Probability And Statistics Using R, First   Edition (Free E-Book From R Software Website)

Reference Books:
1. Jay L. Devore, Probability And Statistics For Engineering And Sciences, Eighth Edition, Cengage Learning.
2. R Cookbook, Paul Teetor, Oreilly.
3. R In Action, Rob Kabacoff, Manning.
4. R For Everyone, Lander, Second Edition, Pearson.
5. The Art Of R Programming, Norman Matloff, No Starch Press.
6. Probability And Statistics: Dr.T.K.V.Iyengar, Dr.B. K. Krishna Gandhi, S. Ranganatham, Dr. M.V.S.S.N. Prasad, S.Chand Publications.