Department of Computer Science and Engineering

List of Experiments

Subject: SSMD Lab   Paper Code: DA-304P

LIST OF EXPERIMENTS

Sr. No.	Name of Experiment
1.	Exercises to implement the basic matrix operations in Scilab.
2.	Exercises to find the Eigenvalues and eigenvectors in Scilab.
3.	Exercises to solve equations by Gauss elimination, Gauss Jordan Method and Gauss Siedel in Scilab.
4.	Exercises to implement the associative, commutative and distributive property in a matrix in Scilab.
5.	Exercises to find the reduced row echelon form of a matrix in Scilab.
6.	Exercises to plot the functions and to find its first and second derivatives in Scilab.
7.	Exercises to draw a scatter diagram, residual plots, outliers leverage and influential data points in R .
8.	Exercises to calculate correlation using R.
9.	Exercises to implement Time series Analysis using R.

CONTENT BEYOND SYLLABUS

Sr. No	Name of Experiment
1.	Exercises to implement linear regression using R.
2	Exercises to implement concepts of probability and distributions in R.