

**LIST OF EXPERIMENTS:**

1. Search, generate, manipulate data using MS office/Open office
2. Presentation and visualization - graphs, charts, tables, 2D, 3D.
3. Simple C programming using loops: Arrays and Matrix operations.
4. Solving problems using C: Recursive problems – factorial; Iterative problems – trigonometric series evaluation.
5. String manipulations in C
6. Statistical problem solving using C: mean, variance, mode, median and range.
7. Solving numerical problems using C
8. Using pointers in C
9. Solving numerical problems using Matlab tool.
10. Image generation and animation using Processing tool.

**LABORATORY REQUIREMENTS FOR BATCH OF 30 STUDENTS**

Hardware: 30 Terminals

Software:

1. MS Office / Open Office software
2. C-Compiler
3. MATLAB 7 / Octave 3 / Scilab 5
4. Processing 1.5