**Data Structure Lab**

**MCA- 112**

**Lab Manual 3**

**Sorting and Searching operations**

1. C Program to Perform Linear Search
2. C Program to Perform Binary Search using Recursion
3. C Program to Sort the N Names in an Alphabetical Order
4. C Program to Sort an array of 0s, 1s and 2s
5. Find the Minimum length Unsorted Subarray, sorting which makes the complete array sorted. (Given an unsorted array arr[0..n-1] of size n, you have to find the minimum length subarray arr[s..e] such that sorting this subarray makes the whole array sorted.)
6. Find whether an array is subset of another array
7. C Program to accept Sorted Array and do Search using Binary Search
8. C Program to Sort N Numbers in Ascending Order using Bubble Sort
9. C Program to Implement Insertion Sort