

## **LAB ASSIGNMENT 2**

### **ARRAYS AND POINTERS**

**Objectives: Students should be able to perform various operations on array data structures. To explain the intimate relationship between arrays and pointers (along with pointer arithmetics).**

1. Write a program to check whether a given number is present in an array or not (Linear search).
2. Write a program to get second maximum and second minimum elements in an array.
3. Write a program to perform insertion (any location), deletion (any location) and traversal in an array.
4. Write a menu driven program to perform addition, multiplication and subtraction of 2 arrays.
5. Write a program to perform sorting while merging (Merge two sorted arrays into one sorted array).
6. Write the above programs (1,2, and 3) using functions and call by address only.