**Data Structure Lab**

**MCA- 112**

**Lab Manual 2**

## Operations on Mathematical Functions and their Applications on Arrays

1. C Program to Input a String & Store their ASCII Values in an Integer Array & Print the Array
2. C Program to Input an Array, Store the Squares of these Elements in an Array & Print it
3. C Program to Find the two Elements such that their Sum is Closest to Zero
4. C Program to Find if a given Integer X appears more than N/2 times in a Sorted Array of N Integers
5. C Program to Find the Median of the Elements after Merging these 2 Sorted Arrays with Same Size
6. C Program to Find Union & Intersection of 2 Arrays
7. C Program to Find Ceiling & Floor of X given a Sorted Array & a value X