**KRISHNA ENGINEERING COLLEGE** 

(Approved by AICTE & Affiliated to Dr. APJ Abdul Kalam Technical University (Formerly UPTU), Lucknow) **Department of**

**Computer Science and Engineering (Artificial Intelligence) Data Structure using C Lab (KCS351)**

**Exercise-2: Write C Programs to illustrate the concept of Searching.**

**List of Experiments**

1. WAP to find a given number in an array with its positions (Linear Search).

2. WAP to find a given number in an array with its positions (Binary Search).

3. You are given an array arr of length N, representing money with N customers. The ith customer has arr[i] rupees. There is another array cost of length M, representing the cost of M items in a store. The jth item costs cost[j] rupees. The store offers some discount money d which any customer can use to buy an item. Each customer can buy only one item and cannot use his money to buy an item for any other customer.