

KDK COLLEGE OF ENGINEERING

Department of Computer Science & Engineering

FOURTH SEMESTER B. Tech.

BECSE402P : DATA STRUCTURE AND PROGRAM DESIGN LAB

List of Experiments

- 1 Write a program to search an element in a two dimensional array using linear search algorithm.**
- 2 Using iteration and recursion concepts write programs for finding the element in the array using the Binary search method.**
- 3 Write a program using iteration and recursion concepts for quick sort.**
- 4 Write a program to implement bubble sort Algorithm.**
- 5 Write a program to implement merge sort Algorithm.**
- 6 Write a program to perform various operations on a stack.**
- 7 Write a program to create a double ended queue.**
- 8 Write a program to create a singly Linked List and perform operations. such as insert, delete, update and reverse.**
- 9 Write a program to create a doubly Linked List and perform operations such as insert, delete, update and reverse.**
- 10 Write a program to implement Binary search tree.**
- 11 Write a program to count the number of nodes in a binary tree.**
- 12 Write a program to convert infix notation to its postfix form.**
- 13 Write a program to count number of leaf nodes in a binary tree.**
- 14 Write a program to simulate various tree traversal techniques.**
- 15 Write a program to simulate various Graph traversing techniques.**
- 16 Write a program to find MST of a graph using various algorithm.**