**BTCOL306: Data Structure Laboratory**

**List of Experiments**

1. Write a program to implement stack using arrays.
2. Write a program to evaluate a given postfix expression using stacks.
3. Write a program to implement circular queue using arrays.
4. Write a program to implement double ended queue (dequeue) using arrays.
5. Write programs to implement the following data structures:

(a) Single linked list (b)Double linked list.

1. Write a program to create a binary search tree (BST)
2. Implement the following sorting algorithms:

(a) Insertion sort (b) Merge sort (c) Quick sort (d) Heap sort.

1. Write programs for implementation of graph traversals by applying: (a) BFS (b) DFS.