Course Code:

CSE 2102   <u>Lab Work</u>

1] <u>I</u>nsertion and deletation using an array.

2] Sum of boundary element in a matrix using random numbers.

3] Pattern matching with string and replace substring.

4] Bubble sort.

5] Insertion sort.

6] Selection sort.

7] Binary search.

8] Linear search.

9] Student result.

10] Stack implementation using array (Push, pop, display)

11] Queue implementation using array (enqueue, dequeue, display)

12] Circular queue (enqueue, dequeue, display)

13] Convent postfix to infix using stack.

14] Evaluate postfix expression using stack.

15] Linked List (insert, delete, exit.

16] Tree (insert, preorder, postorder, inorder traversal.

17] Delete a node in Binary Search Tree (BST).

18] Heap sort (min heap/ max heap)

19] the Merge sort

20] Quick sort.

21] Graph representation in memory.

22] Graph traversal.
     ⓐ Breadth- First Search (BFS)
     ⓑ Depth- First Search (DFS).