**Assignment – 3**

1. Implement a singly link list with the following operations -

I. Insert at the beginning

II. Insert at the end

III. Insert at any position

IV. Delete any element from the list of items, including repetitions

V. Search any element, return its position

VI. Traverse (display) the list items

2. Implement the same operation for a doubly linked list.

3. Implement stack using Linked list.

4. Implement Linear queue using Linked list.

5. Implement a circular queue using Linked list.

6. Implement a Deque using array or Linked List.

7. Implement a polynomial expression using Linked List.

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