

University of Engineering & Management, Kolkata



Department of Computer Science & Engineering

DATA STRUCTURE LAB

Subject Code - CS392

SESSION- 2018 ODD SEM

ASSIGNMENT – III

Objective – To implement the concept of Doubly Linked List

Date of Assignment - 25.07.2018

DATE of Submission - 01.08.2018

- 3.1 Write a C program to create a doubly linked list.
- 3.2 Write a C program to display the elements of a doubly Linked List.
- 3.3 Write a C program to add an element at beginning of a doubly linked list.
- 3.4 Write a C program to add an element at the end of a doubly linked list.
- 3.5 Write a C program to add an element after any user given position of a doubly linked list.
- 3.6 Write a C program to reverse a doubly linked list.
- 3.7 Write a C program to split doubly linked list into two equal halves.
- 3.8 Write a C program to create a doubly linked list and store N number of string there. Traverse the list using a starting node.
- 3.9 Write a C program to insert a new value in a sorted doubly linked list.

3.10 Write a C program to exchange the first and last node of a doubly linked list and display that.