

SSN College of Engineering, Kalavakkam
Department of Computer Science and Engineering
III Semester - CSE 'A ', 'B' & 'C'
UCS 1312 Data Structures Lab Laboratory

Academic Year: 2019-2020

Batch: 2018-2022

Exercise 4: Implementation of doubly linked list ADT

Create a doubly linked list to store set of student names

Perform the following operations using a menu driven program

1. Insert student name in the front of the list
2. Insert student name at the end of the list
3. Insert a record after a given name in the list
4. Search a given student in the list
5. Delete a given student
6. Display all student names
7. Display the students in alphabetical order

Note:

- 3 files need to be maintained.
1. Structure and function definitions
 2. Function prototypes
 3. Application