

**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 2: Array Implementation of list ADT**

Create a list of 5 student records (using array of structure) with the fields

Regno

Name

Marks in 5 subjects

Perform the following operations

1. Insert a record in the front of the list
2. Insert a record at the end of the list
3. Insert a record after a given Regno in the list
4. Search a given record in the list based on Name
5. Delete a given student record
6. Display all students' record
7. Display the previous and next record of a given student

**Note:**

3 files need to be maintained.

1. Structure and function definitions
2. Function prototypes
3. Application