

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

Data Structures

LAB 0: Using Structures

1. Write a program that uses a structure to store the following information about a student.
 - a. Name
 - b. Enroll No
 - c. Year
 - d. Branch

Write an interactive menu that helps you perform the following operations on the structure:

- Update using structure variable
 - Update using structure pointer
 - Display using structure variable
 - Display using structure pointer
 - Exit
2. Using structure to define a complex number, write a program that performs the following operations on complex numbers entered by the user (Use functions):
 - a. Addition
 - b. Subtraction
 - c. Multiplication
 - d. Division
 - e. Absolute value.

Pass the **structure by reference** in each of the functions.

3. Using the structure in question 1, create a class list of 10 students using dynamic memory allocation. Populate the list with values and display it in the given format.

Enrollment Number	Name	Year
123	Tom	2007