**Modern Education Society’s**

**College of Engineering, Pune**

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| **NAME OF STUDENT: CLASS:** |
| **SEMESTER/YEAR: ROLL NO:** |
| **DATE OF PERFORMANCE: DATE OF SUBMISSION:** |
| **EXAMINED BY: EXPERIMENT NO: DSL C-22** |

**TITLE : TO PERFORM VARIOUS OPERATIONS ON LINK LIST .**

**PROBLEM STATEMENT :** Second year Computer Engineering class, set A of students like Vanilla ice-cream and set B of students like Butterscotch ice-cream Write C++ program to store two sets using Linked List. Compute and display-

i. Set of students who like both vanilla and butterscotch

ii. Set of students who like either vanilla or butterscotch or not both

iii. Number of students who like neither vanilla nor butterscotch

**OBJECTIVES:**

1. To understand structure of singly linked list .

2. To understand how to Create, Display and perform various operations on singly linked list.

**OUTCOMES:**

1.To analyze the problems to apply suitable algorithm and data structure .

2.To discriminate the usage of various data structures in approaching the problem solution .

3.To understand concepts of Linear Data Structure (singly linked lists ) .

**PRE-REQUISITES:**

1.Knowledge of C++ programming .

2.Knowledge of singly linked lists .

**APPARATUS:**

**QUESTIONS:**

1. What is Generalized Lined List? Explain with example?

2. What are the advantages of Dynamic memory allocation?