Department of Computer Sciens

Course: Data structures Algorithms Instructor:Lencho Desalegn Assignment Title:implementation of Linked in c++Submission Deadline:

Objective

The purpose of this assignment is to develop students' understanding of linked list data structures by implementing various types of linked lists using C++. The assignment focuses on the fundamental operations of linked lists, including insertion, deletion, and display functionalities.

Assignment Description

Students are required to implement the following types of linked lists:

* Singly Linked List
* Doubly Linked List
* Circular Singly Linked List
* Circular Doubly Linked List

For each type of linked list, the following operations must be implemented:

Insertion:

* At the beginning
* At the end
* At a specific position

Deletion:

* From the beginning
* From the end
* From a specific position

















