COLLEGE OF ENGINEERING & TECHNOLOGY

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**Course :** Data Structures
**Course No. :** CC215
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# Sheet I

## Implement the following using C/C++

- Define a *Node* data structure to serve as a base for a LinkedList class.
    - The Node's data should be of type (int)
    - The Node must contain a pointer to the next Node (of the same type)
    - Create a constructor for the Node that accepts an integer as an input parameter for the data.

- Create a class for the LinkedList according to the following:
    - The LinkedList contains a header Node which serves as the entry for the entire list.
    - The data held by the header node should reflect the LinkedList actual size.

- Create a member function for the LinkedList to insert data at the end of the list.