**Topics to be covered in Lecture 6**

* Definition of linked list
* Difference between linked list and array
* Linked list variations
* Node definition of linked list
* Insert operations
  + 1. Insert front
    2. Insert end
    3. Insert after a particular node position
    4. Inserting after a node pointed by a particular pointer(can be given as an exercise to the students)

**Topics to be covered in Lecture 7**

* Displaying a list
* Delete operation
  + 1. Delete front
    2. Delete end
    3. Delete a node with specified position number
    4. Deleting a node pointed by a particular pointer(can be given as an exercise to the students)
    5. Deleting a node with a particular key value

**Topics to be covered in Lecture 8**

* Concatenating two linked list
* Reversing a linked list
* Merging two linked list
* Polynomial addition(Concept of merging applies here, we may also give an idea about ordered insertion to store a polynomial, the example program is based on ordered insertion)