

Institute of Computer Technology
B. Tech. Computer Science and Engineering
Sub: DS (2CSE302)

Practical -17

Objective: Implement the scenario based on circular singly linked list.

1. Nilima is working in production department of pharma company. She needs to update details for stock of medicine, sometimes afterwards she needs to update record at the end of day so she wants to prepare data which she can dynamically update as per her requirement. Refer the given scenario and provide appropriate solution using circular singly linked list:
 1. **Insert new item at the first position**
 2. **Insert new item at the last position**
 3. **Insert new item before the given value of node**
 4. **Insert new item after the given value of node**
 5. **Delete item from the first position**
 6. **Delete item from the last position**
 7. **Delete particular item**
 8. **Delete item before the given item**
 9. **Delete item after the given item**
 10. **Search item from the list**
 11. **Display all elements of the list**
 12. **Count total number of items**