GLS UNIVERSITY
Faculty of Computer Applications & Information Technology
BCA Programme
SEM III
DATA STRUCTURE PRACTICAL

Module – 3 & 4

1.	Write a C++ Program to implement the Singly Linked List.
2.	Write a C++ Program to implement the Doubly Linked List.
3.	Write a C++ Program to implement the Circular Singly Linked List.
4.	Write a C++ Program to implement the Circular Doubly Linked List.
*****	Perform the following operations on above linked list: 1. Create List 2. Add First 3. Add Last 4. Add at Location/Middle 5. Delete First 6. Delete Last 7. Delete at Location/Middle 8. Display List *CountNode *AddNodes
5.	Write a C++ Program to implement the Stack using Linked List.
6.	Write a C++ Program to implement the Simple Queue using Linked List.
***** Module – 4 *****	
1.	Write a C++ Program to Implement the Binary Search tree for the following operations: 1. CreateTree 2. Inorder 3. Postorder 4. Preorder 5. Search