**Data Structures Lab – Lab Cycle**

1. Program to implement searching Techniques
2. Linear Search b) Binary Search
3. Program to implement sorting Techniques
4. Insertion sort
5. Shell Sort
6. Selection sort
7. Program to implement operations on Singly Linked List.
8. Program to implement operations on Circular Linked List.
9. Program to implement operations on Doubly Linked List.
10. Program to implement Hashing Techniques.
11. Separate Chaining b) Open addressing
12. Program to implement stack using
13. Arrays b) Linked list
14. Program to implement stack applications
15. Infix to Postfix
16. Postfix Evaluation
17. Delimiter Matching
18. Program to implement Simple Queue using
19. Arrays b) Linked List
20. Program to implement Circular Queue using arrays.
21. Program to implement Dqueue Operations using arrays.
22. Program to implement Binary Search Tree and its operations, Traversal Techniques.
23. Program to implement AVL Tree- Operations- Rotations.
24. Program to implement BFS Graph Traversal Technique.
25. Program to implement DFS Graph Traversal Technique.