DATA STRUCTURES LABORATORY **0 0 3 2**

1. Array based implementation of stack and queue.
2. Linked list implementations and problems related to linked list such as inverting list, concatenation, etc.
3. Linked list based implementation of stack and queue
4. Evaluation of expressions
5. Binary tree traversals
6. Graph traversals
7. Merge sort
8. Quick sort
9. Binary search
10. Binary Heap
11. AVL tree implementation
12. Hash Tables

TOTAL: 45

LABORATORY REQUIREMENTS FOR BATCH OF 30 STUDENTS

30 Systems with C++ Compiler.