

MC 5111- DATA STRUCTURES LABORATORY

DETAILED SYLLABUS

OBJECTIVES

- To develop skills in design and implementation of data structures and their applications
- To learn and implement linear, nonlinear and tree data structures
- To study, implement and analyse the sorting technique

LIST OF EXPERIMENTS

1. Array- Insertion and Deletion
2. Application using array of structures
3. Array Implementation of Stack
4. Array Implementation of Queue
5. Infix to postfix conversion
6. Singly Linked List operations
7. Polynomial manipulation addition, subtraction
8. Binary Tree Traversal
9. Quick Sort
10. Binary Search