

Syllabus of Data Structure

- Data Structure Introduction
 - History of 'Data Structure'
- Linear Data Structure
 - Array
 - Linked List
 - Single Linked List
 - Single Circular Linked List
 - Doubly Linked List
 - Doubly Circular Linked List
 - Stack
 - Static Implementation Of Stack
 - Dynamic Implementaion Of Stack
 - Application Of Stack
 - Queue
 - Linear Queue
 - Circular Queue
 - Priority Queue
 - De-Queue(Double Ended Queue)
- Non-Linear Data Structure
 - Tree
 - General Tree

- Forest Tree
- Binary Tree
 - Strictly Binary Tree
 - Complete Binary Tree
 - Extended Binary Tree
 - Threaded Binary Tree
- Binary Search Tree
 - AVL Tree(Hieght Balance Tree)
 - B-Tree(M-Way Search Tree)
- Graph
 - Types of Graph
 - Traversal of Graph
 - Breadth First Search(BFS)
 - Depth First Search(DFS)
- Sorting
 - Bubble Sort
 - Insertion Sort
 - Selection Sort
 - Quick Sort
 - Merge Sort
 - Heap Sort
- Searching
 - Linear Searching

- Binary Searching