I Year I Semester	**L**	**P**	**C**
Code: 17CS111	**0**	**3**	**2**

CSE LAB

Data Structures Programs:

1. To implement Stacks & Queues using Arrays & Linked Lists
2. To implement Stack ADT, Queue ADT using arrays & Linked Lists
3. To implement Dequeue using Double Linked List &Arrays
4. To perform various Recursive &Non-recursive operations on Binary Search Tree
5. To implement BFS &DFS for a graph
6. To implement Merge &Heap sort of given elements
7. To perform various operations on AVL trees
8. To implement Krushkal's algorithm to generate a min-costs panning tree
9. To implement Prim's algorithm to generate min-cost spanning tree10.Toimplement functions of Dictionary using Hashing

Operating system programs:

1. Program to implement FCFS (First Come First Serve)scheduling Algorithms
2. Program to implement SJF (Shortest Job First) Scheduling Algorithm
3. Program to implement Priority Scheduling algorithm
4. Program to implement Round Robin Scheduling algorithm
5. Program to implement FIFO (First In First Out) Page Replacement Algorithm
6. Program to implement LRU (least Recently used) Page Replacement Algorithm
7. Program to implement LFU (Least Frequently used) Page Replacement Algorithm
8. Write a program to implement how Disk Scheduling is done in operating system
9. Draw the appropriate C.P.U performance graphs for SJF Scheduling Algorithm

Operating system programs:

1. Program to implement FCFS (First Come First Serve) scheduling Algorithms
2. Program to implement SJF (Shortest Job First) Scheduling Algorithm
3. Program to implement Priority Scheduling algorithm
4. Program to implement Round Robin Scheduling algorithm
5. Program to implement FIFO (First In First Out) Page Replacement Algorithm
6. Program to implement LRU (least Recently used) Page Replacement Algorithm
7. Program to implement LFU (Least Frequently used) Page Replacement Algorithm
8. Write a program to implement how Disk Scheduling is done in operating system
9. Draw the appropriate C.P.U performance graphs for SJF Scheduling Algorithm