Vivekanand Education Society's Institute Of Technology
Department Of Information Technology
2020-2021

Name of the Course: Data Structures Lab
Year/Sem/Class: S.E.(INFT) Sem III (D10A)
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Sr. No.	Lab Experiments
1	Implementation of stack using array
2	Evaluation of Infix and Prefix Expression using Stack
3	Infix to Postfix Conversion using Stack.
4	Implementation of Linear Queue using array.
5	Implementation of circular queue using array.
6	Implementation of Singly linked lists
7	Linked List implementation of Stack
8	Implementation of Linear Queue using Singly LL.
9	Implementation of Singly Circular linked lists
10	Implementation of Josephus Problem using Circular LL
11	Implementation of DLL
12	Implementation of Circular Doubly linked lists
13	Implementation of various operations on binary search tree.
14	Implementation of AVL tree.
15	Implementation of BFS and DFS on a directed graph using adjacency matrix.

16	Implementation of Binary Search
17	Implementation of Menu driven Selection sort, Bubble sort, Insertion sort
18	Implementation of Menu driven Merge Sort and Quick Sort
A1	Assignment on Dijkstra Algorithm to find shortest path
A2	Assignment on Recursion and Storage management