

ASSIGNMENT

**CSE2011 – DATA STRUCTURES AND ALGORITHMS LAB**



**(B.Tech. CSE Specialisation in Bioinformatics)**

**WINTER SEMESTER 2020-2021**

|  |  |
| --- | --- |
| **Name:** | ALOK MATHUR |
| **Reg. No:** | 20BCB0086 |
| **Slot:** | A1 |
| **Faculty Name:** | SRIVANI A Ma’am |

**VIT – A Place to Learn; A Chance to Grow**

**1.Applications of Stacks and Queues**

**Stack using queues**:

Explain in details how a stack can be implemented using two queues along with its algorithm and diagrams

**Queue using stacks** :

Explain in details how a queue can be implemented using two stacks along with its algorithm and diagrams

**2. Operations on Binary Tree**

i) For a binary tree what will be the result of the following .Give examples

for each with neat diagrams

Left View of the tree

Right View

Top View

Bottom View

Mirror Image

3. One real life application (not in course content) of any one of the data structures given in the course syllabus.