**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“JnanaSangama”, Belgaum -590014, Karnataka.**



**LAB REPORT**

**on**

**Data Structures using C Lab**

**(23CS3PCDST)**

***Submitted by***

**Subramanya J (1BM23CS343)**

***in partial fulfillment for the award of the degree of***

**BACHELOR OF ENGINEERING**

***in***

**COMPUTER SCIENCE AND ENGINEERING**



**B.M.S. COLLEGE OF ENGINEERING**

**(Autonomous Institution under VTU)**

**BENGALURU-560019**

**Sep-2024 to Jan-2025**

**B.M.S. College of Engineering,**

**Bull Temple Road, Bangalore 560019**

(Affiliated To Visvesvaraya Technological University, Belgaum)

**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the Lab work entitled “Data Structures using C Lab(23CS3PCDST)”carried out by **Subramanya J(1BM23CS343),** who is bonafide student of **B.M.S.College of Engineering.** It is in partial fulfillment for the award of **Bachelor of Engineering inComputer Science and Engineering** of the Visvesvaraya Technological University, Belgaum. The Lab report has been approved as it satisfies the academic requirements in respect of Data Structures using C Lab(23CS3PCDST) work prescribed for the said degree.

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| --- | --- |
| Lab faculty Incharge Name  Assistant Professor  Department of CSE, BMSCE | Dr. Jyothi S Nayak  Professor &HOD  Department of CSE, BMSCE |

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Github Link: (You should provide your github link which contains all lab programs)

**Program 1**

Write a program to simulate the working of stack using an array with the following:

a) Push

b) Pop

c) Display

The program should print appropriate messages for stack overflow, stack underflow

Observation:

Code:

Output: