**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

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



LAB REPORT

on

OBJECT ORIENTED JAVA PROGRAMMING

***Submitted by***

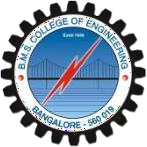
SUBRAMANYA J (1BM23CS343)

***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-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 “**OBJECT ORIENTED JAVA PROGRAMMING**” 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 in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2024-25. The Lab report has been approved as it satisfies the academic requirements in respect of **Object-Oriented Java Programming Lab - (23CS3PCOOJ)** work prescribed for the said degree.

**Dr. Nandhini Vineeth Dr. Kavitha Sooda**

Associate Professor, Professor and Head,

Department of CSE, Department of CSE

BMSCE, Bengaluru BMSCE, Bengaluru

**INDEX**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Date** | **Experiment Title** | **Page No.** |
| 1 |  | Quadratic Equation |  |
| 2 |  | Student Class |  |
| 3 |  | Book Class with toString() |  |
| 4 |  | Abstract Class Shape |  |
| 5 |  | Bank Class with Inheritance |  |
| 6 |  | CIE Package |  |
| 7 |  | Exception Handling in Father and Son Class |  |
| 8 |  | Multithreaded Programming |  |
| 9 |  | Division with AWT |  |
| 10 |  | Interprocess Communication and Deadlock |  |

**LABORATORY PROGRAM - 1**

Develop a Java program that prints all real solutions to the quadratic equation ax2 +bx+c = 0. Read in a, b, c and use the quadratic formula. If the discriminate b2 -4ac is negative, display a message stating that there are no real solutions.

**OBSERVATION**

|  |
| --- |
|  |

|  |
| --- |
|  |

|  |
| --- |
|  |