Srishyla Educational Trust (R), Bheemasamudra

# GM INSTITUTE OF TECHNOLOGY

(Affiliated To VTU Belagavi, Approved By AICTE, New Delhi & Govt. of Karnataka)

Post Box No:4 P.B.Road, Davanagere-577006, Karnataka

**Phone:** 08192-252560.233377.252777.  **Tel/Fax:**081920233344

## Department of Artificial Intelligence and Machine Learning

### Schedule

| Date | Time | Session | Content/Topic | Resource Person |
|---|---|---|---|---|
| **20-02-2023 Monday** | 02:00 pm-04:30 pm | 1 | Introduction to java fundamentals, data types, operators in java Hands on programs | |
| **21-02-2023 Tuesday** | 02:00 pm-04:30 pm | 2 | Demonstrating creation of java classes, objects, constructors, declaration and Initialization of variables, Hands on programs | |
| **22-02-2023 Wednesday** | 02:00 pm-04:30 pm | 3 | Discuss the various Decision-making statements, loop constructs in java. Hands on programs | Asha K |
| **23-02-2023 Thursday** | 02:00 pm-04:30 pm | 4 | Demonstrate the core object-oriented concept of Inheritance, polymorphism. Hands on programs | |
| **24-02-2023 Friday** | 02:00 pm-04:30 pm | 5 | Introduce concepts of method overloading, constructor overloading, overriding. Hands on programs | |

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## Department of Artificial Intelligence and Machine Learning

# Report

Department of Artificial Intelligence and Machine Learning had organized five day workshop on "Java Programming" for 3$^{rd}$ semester students from 20-02-2023 to 24-02-2023.
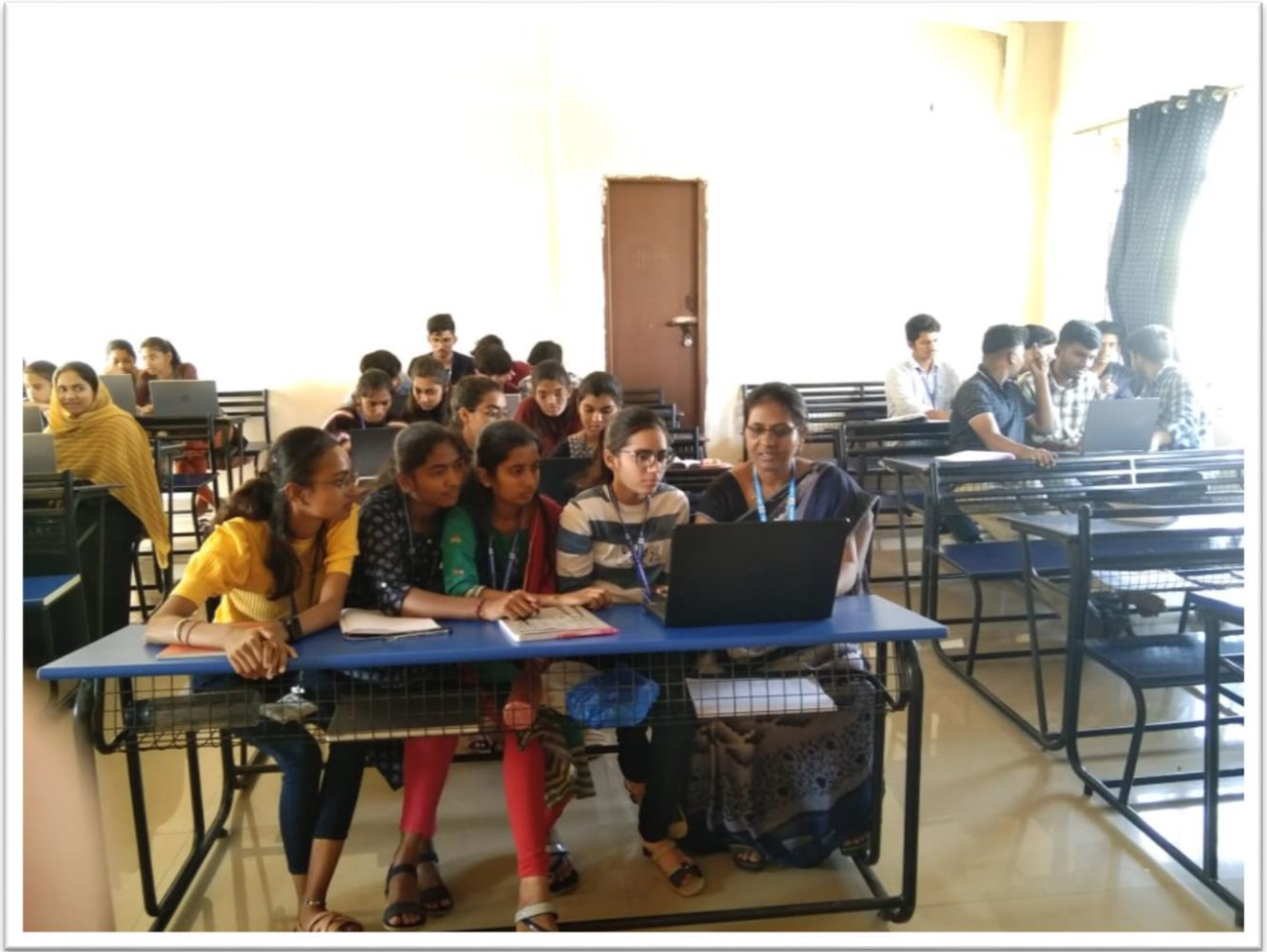
Five day sessions were conducted as per the schedule and at the end of every session, post quiz was conducted to know the impact of the session on the student's knowledge.

Every day, session material is provided to the students to help them in understanding the topic and sample programs are executed by the students to understand the syntax and to enhance their logical thinking.

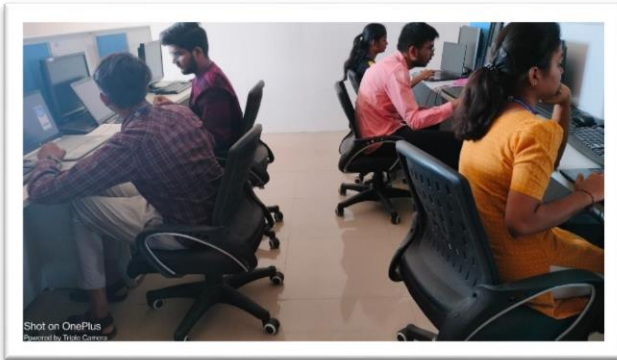**Day -1 Session – Java Fundamentals**

**Day-2 Session : Creation of java classes, objects, constructors, declaration**



**Day-3 Session: Discuss the loop constructs in java**

**Day-4 Session : Demonstrate the core object-oriented concept of Inheritance, polymorphism**







**Day-4 Session: Introduce concepts of method overloading, constructor overloading, overriding.**

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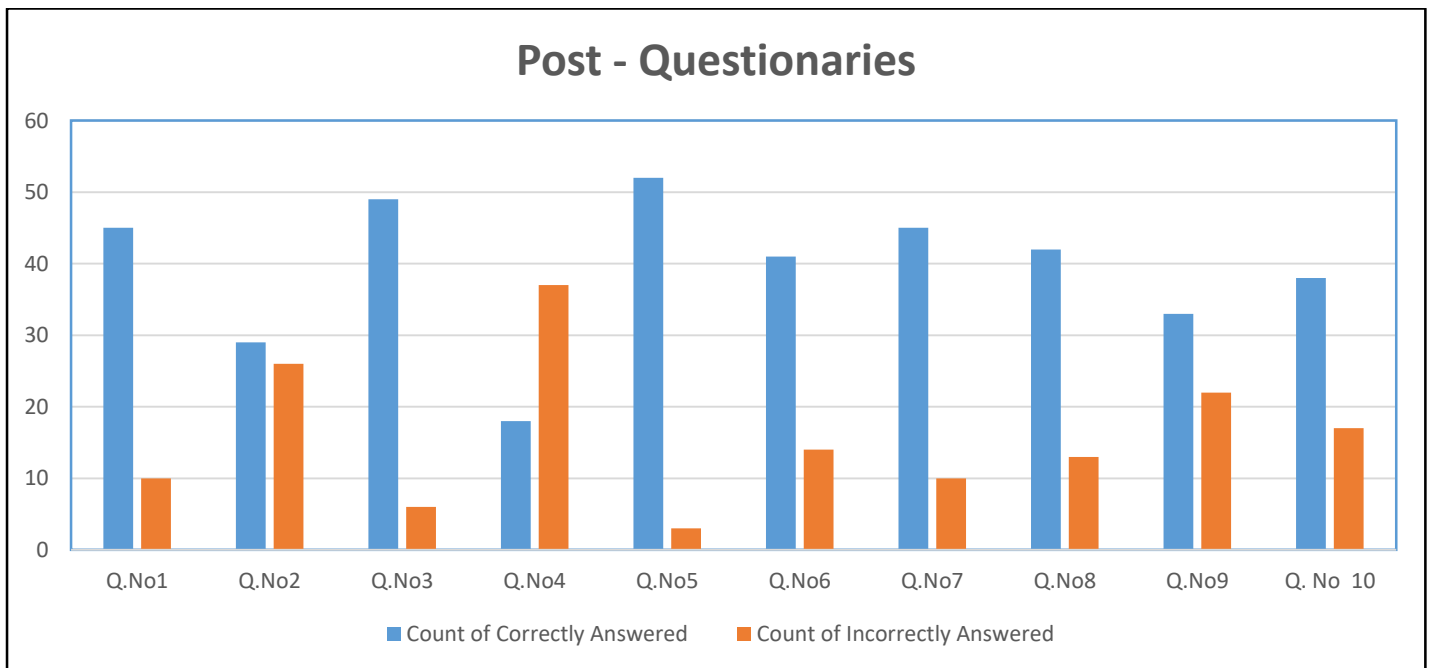**Phone:** 08192-252560.233377.252777. **Tel/Fax:**081920233344

## Department of Artificial Intelligence and Machine Learning

## Day-1 Impact Analysis - Post Questionnaires'

There were 55 participants. A test with certain questions about subject knowledge was administered after the session. The statistics for the test is listed below.

**Marks Scored by participants in Post-Questionnaires'':**

| Questions | Q.No 1 | Q.No 2 | Q.No 3 | Q.No 4 | Q.No 5 | Q.No 6 | Q.No 7 | Q.No 8 | Q.No. 9 | Q.No 10 | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Count of Correctly Answered** | 45 | 29 | 49 | 18 | 52 | 41 | 45 | 42 | 33 | 38 | **392** |
| **Count of Incorrectly Answered** | 10 | 26 | 6 | 37 | 3 | 14 | 10 | 13 | 22 | 17 | **158** |

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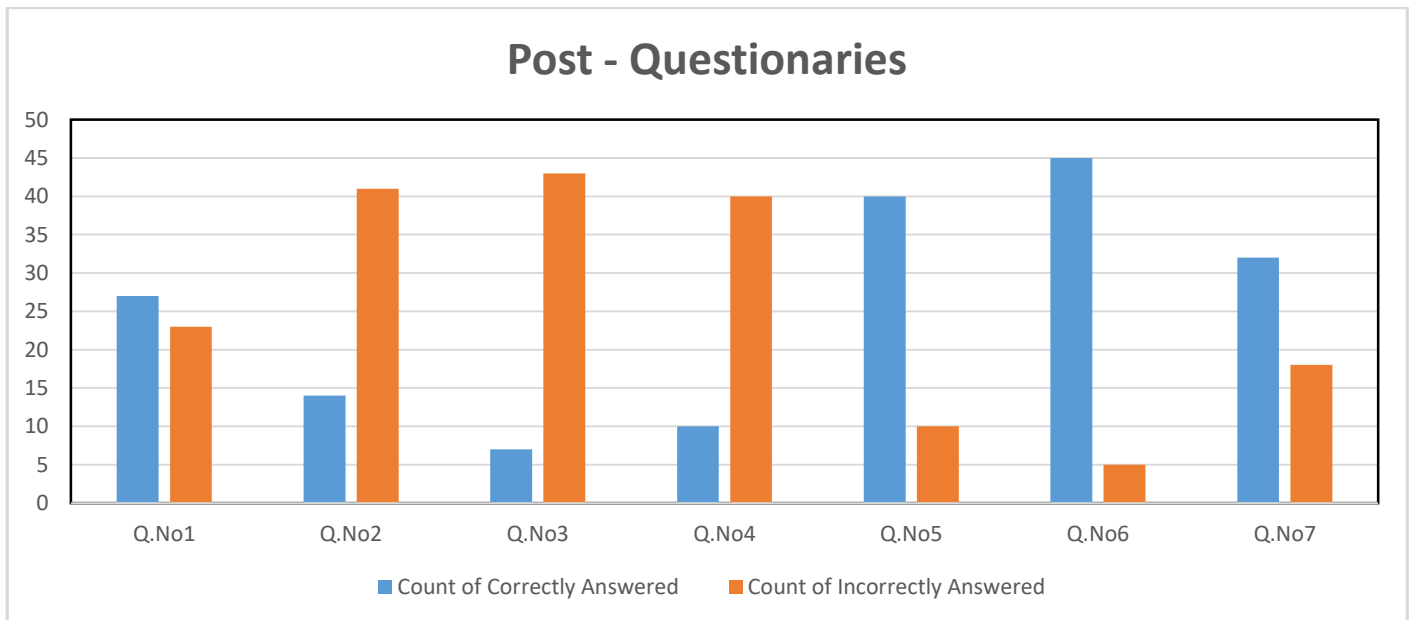**Phone:** 08192-252560.233377.252777. **Tel/Fax:**081920233344

## Department of Artificial Intelligence and Machine Learning

### Day-2 Impact Analysis - Post Questionnaires'

There were 50 participants. A test with certain questions about subject knowledge was administered after the session. The statistics for the test is listed below.

**Marks Scored by participants in Post-Questionnaires'':**

| Questions | Q.No1 | Q.No2 | Q.No3 | Q.No4 | Q.No5 | Q.No6 | Q.No7 | Total Marks |
|---|---|---|---|---|---|---|---|---|
| **Count of Correctly Answered** | 27 | 14 | 7 | 10 | 40 | 45 | 32 | **175** |
| **Count of Incorrectly Answered** | 23 | 41 | 43 | 40 | 10 | 5 | 18 | **180** |

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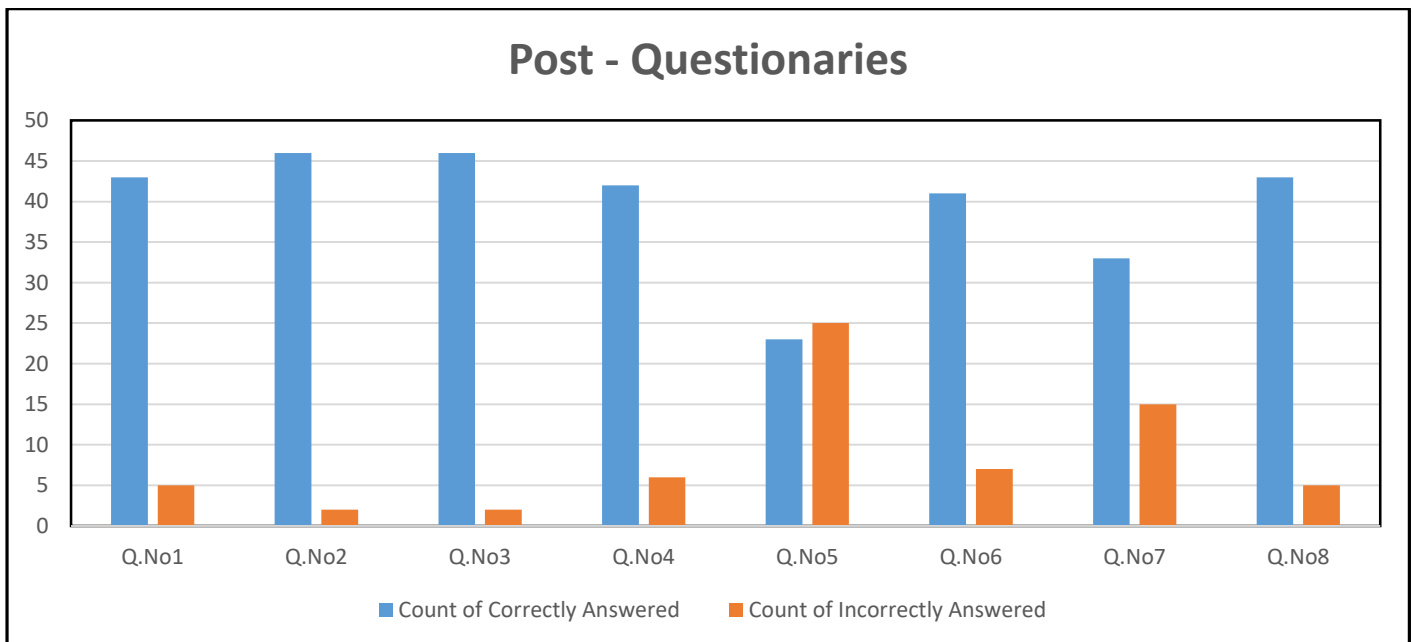**Phone:** 08192-252560.233377.252777. **Tel/Fax:**081920233344

## Department of Artificial Intelligence and Machine Learning

### Day-3 Impact Analysis - Post Questionnaires'

There were 48 participants. A test with certain questions about subject knowledge was administered after the session. The statistics for the test is listed below.

**Marks Scored by participants in Post–Questionnaires:**

| Questions | Q.No1 | Q.No2 | Q.No3 | Q.No4 | Q.No5 | Q.No6 | Q.No7 | Q.No8 | Total Marks |
|---|---|---|---|---|---|---|---|---|---|
| **Count of Correctly Answered** | 43 | 46 | 46 | 42 | 23 | 41 | 33 | 43 | **317** |
| **Count of Incorrectly Answered** | 05 | 02 | 02 | 06 | 25 | 07 | 15 | 05 | **67** |

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## Day-4 Impact Analysis - Post Questionnaires'

There were 43 participants. A test with certain questions about subject knowledge was administered after the session. The statistics for the test is listed below.

**Marks Scored by participants in Post–Questionnaires:**

| Questions | Q.No1 | Q.No2 | Q.No3 | Q.No4 | Q.No5 | Q.No6 | Q.No7 | Q.No8 | Total Marks |
|---|---|---|---|---|---|---|---|---|---|
| **Count of Correctly Answered** | 23 | 34 | 23 | 32 | 38 | 23 | 40 | 40 | **253** |
| **Count of Incorrectly Answered** | 20 | 10 | 20 | 11 | 3 | 20 | 03 | 03 | **90** |