Sandip Foundation's
Sandip Institute of Engineering and Management,
Mahiravani, Trimbak Road, Nashik-422213

Department of Computer Engineering

Institute Vision

We at SIEM aspire to be a globally recognized Institute that delivers a world class education to outstanding intellectual by nurturing and grooming by their interest, creative abilities and thrusts to acquire a life-long learning so as to imbibe values of their commitment towards society.

Department Vision

The department aims to be recognized in the field of quality education through excellence in teaching, learning, research and innovation for the betterment of society.

EVENT REPORT
On

VAP on "Basics and Core JAVA"

Name of Event: VAP on "Basics and Core JAVA"

Date of Event: 06/10/2023 to 11/10/2023

Coordinator of Event: Prof. M V Korade

Name and Details of Resource Person: Prof. M V Korade

No of Participants: 73

Details of Participants: Students of TE

Program Outcome Mapped: PO5, PO6, PO9, PO11, PSO1, PSO3

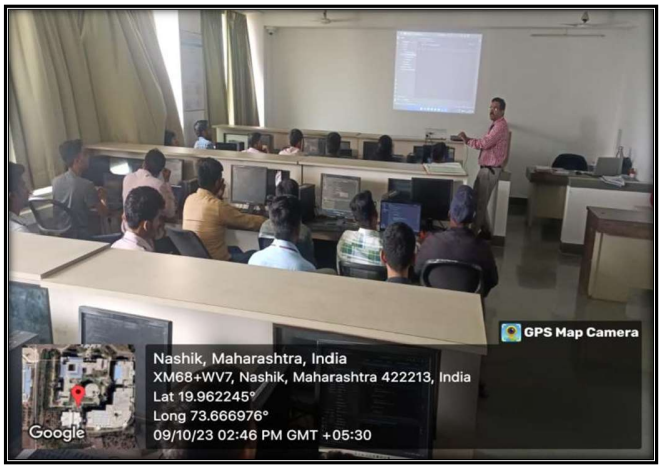
Objectives:

1) Provide students with a strong understanding of the fundamental concepts of Java.
2) Teach students the principles of object-oriented programming (OOP) in Java
3) Familiarize students with implementation of programs in

Outcome:

1) Students should have a strong grasp of Java's basic syntax and implementation.
2) Students should be able to design and implement classes and objects using OOP principles.
3) Students should be capable of debugging Java programs and writing basic unit tests.
4) Students should be able to write clean, well-structured code following Java coding standards and best practices.
5) Student should be able to answer the interview questions in placement drives.

Photos: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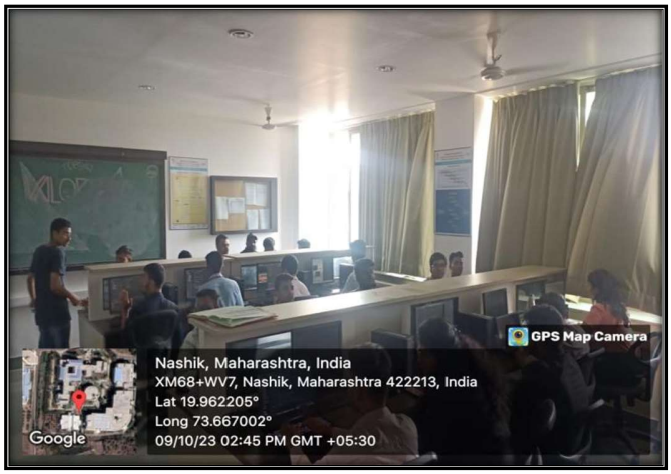
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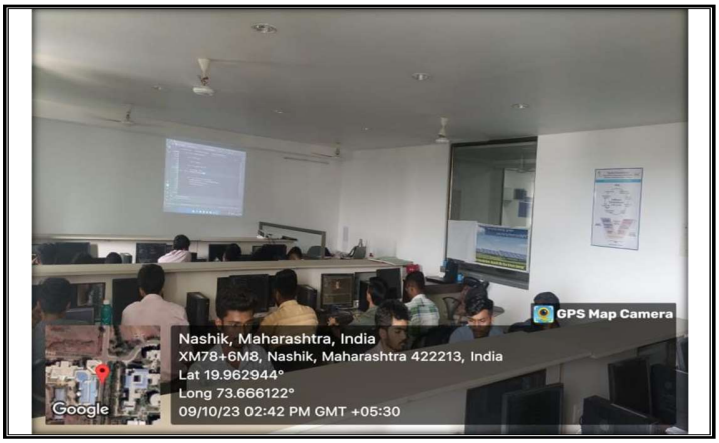
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Department of Computer Engineering

Date – 01/10/2023

Notice

All the TE students are here by informed that department is going to conduct Value Addition Program on "Basic and Core Java" from 6th Oct 2023 to 11th Oct 2023.

It is compulsory to all to attend this VAP. The VAP content (Theory and Practical's) will be communicated soon.

Sandip Institute of Engineering & Management, Mahiravani
COMPUTER ENGG. DEPT.

HOD
Computer Engineering
Sandip Institute of Engineering & Management
Mahiravani, Nashik - 422 213

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Sandip Institute of Engineering & Management,

SIEM

At Post Mahiravani, Trimbak Road, Nashik-422213

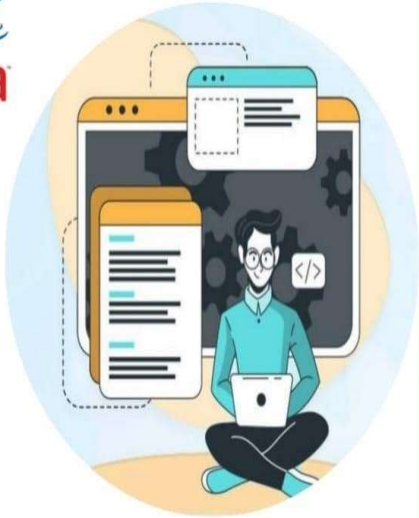
DEPARTMENT OF COMPUTER ENGINEERING

Hands-On-Workshop

On

Java

BASIC and Core JAVA



By

Prof M. V. Korade

Date: 06/10/2023 to 11/10/2023

Time: 10am to 5 pm

Venue: Computer Seminar Hall

Dr. K. C. Nalavade	Dr. D. P. Patil
HOD Computer	Principal SIEM

Course Content:

Course Title:

Basics and Core Java

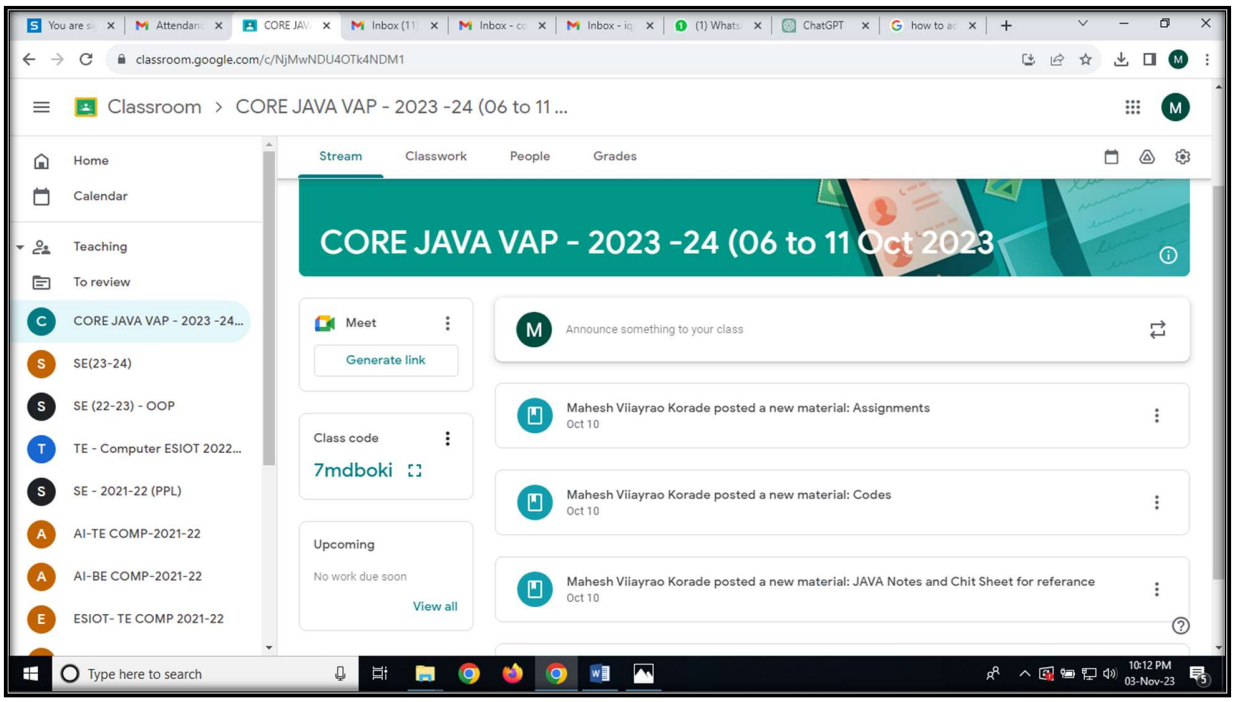
Module No.	Module	Content
Module 1	Introduction to Java	1. What is Java? 2. History of Java 3. Features of Java 4. Java Development Environment
Module 2	Java Basics	1. Java Syntax and Structure 2. Data Types 3. Variables and Constants 4. Operators 5. Control Flow (if, else, switch)
Module 3	Object-Oriented Programming in Java	1. Classes and Objects 2. Constructors 3. Inheritance 4. Polymorphism 5. Encapsulation 6. Abstraction
Module 4	Exception Handling	1. Exception Types 2. Handling Exceptions (try, catch, finally) 3. Custom Exceptions
Module 5	Basic Input/Output	1. Input using Scanner 2. Output using System.out 3. File I/O
Module 6	Collections	1. Arrays 2. Lists (ArrayList, LinkedList) 3. Maps (HashMap) 4. Sets (HashSet) 5. Iteration and Manipulation
Module 7	Java Standard Library	1. String Handling 2. Date and Time 3. Regular Expressions 4. Math Functions 5. Formatting and Localization
Module 8	Multithreading	1. Introduction to Threads 2. Thread Lifecycle 3. Synchronization 4. Concurrency Issues
Module 9	Java File I/O	1. File Handling 2. Reading and Writing Files

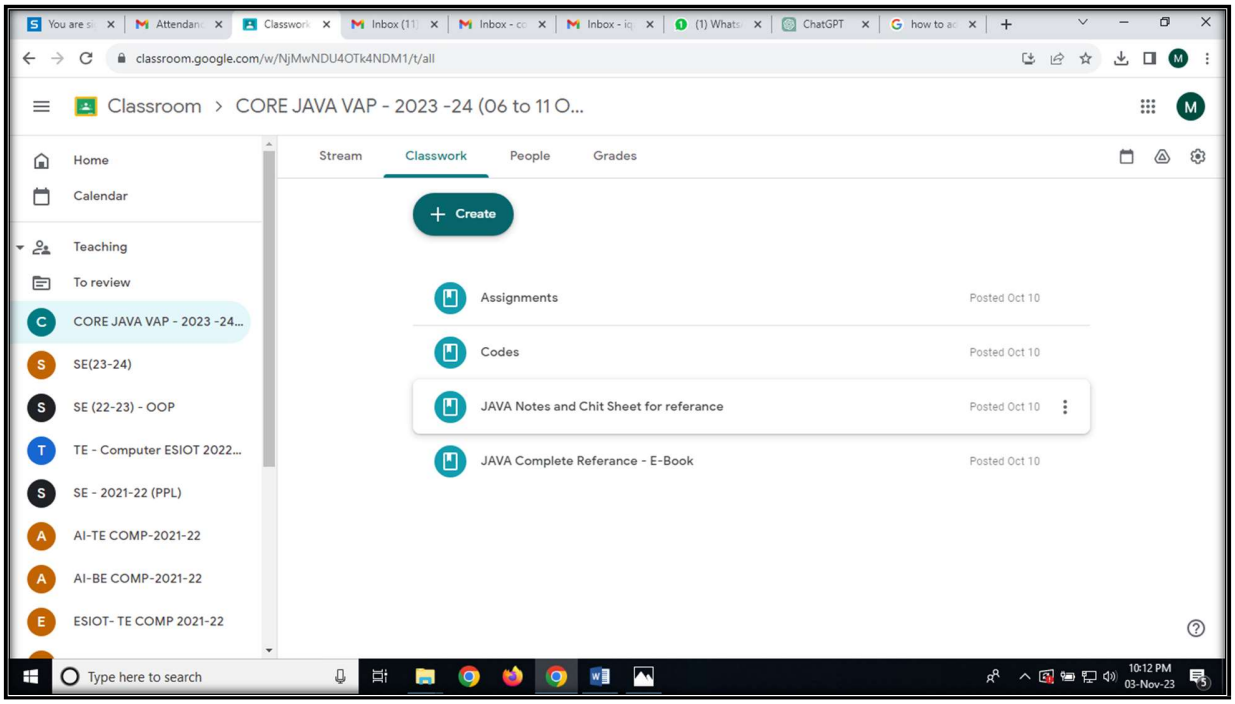
Practical Content:-

Lab No.	Lab Name	Content
Lab 1	Setting Up Your Development Environment	1. Installing JDK and IDE (e.g., Eclipse or IntelliJ) 2. Creating Your First Java Program
Lab 2	Variables, Data Types, and Operators	1. Working with Variables 2. Data Type Conversions 3. Arithmetic and Logical Operators
Lab 3	Control Flow and Decision Making	1. If-else Statements 2. Switch Statements 3. Loops (for, while, do-while)
Lab 4	Object-Oriented Programming	1. Creating Classes and Objects 2. Implementing Inheritance 3. Polymorphism and Abstraction 4. Exception Handling in Practice
Lab 5	Working with Collections	1. Arrays and Lists 2. Maps and Sets 3. Iterating and Manipulating Collections
Lab 6	Java Standard Library	1. String Manipulation 2. Date and Time Functions 3. Regular Expressions
Lab 7	Multithreading	1. Creating and Managing Threads 2. Synchronization Techniques 3. Practical Multithreading Examples
Lab 8	File I/O and Practical Applications	1. Reading and Writing Files 2. Practical Projects Involving File I/O

Google Classroom:

Students can refer the code and material provided on the google classroom.





Student Certificates:

Sandip Foundation's
Sandip Institute of Engineering and Management
Department of Computer Engineering

CERTIFICATE

This is to certify that

BHAND ADITI PRADIP

of Sandip Institute of Engineering and Management has attended 5 days Value Addition Program on "Basics and Core JAVA" held from 6 Oct 2023 to 11 Oct 2023

VAP Coordinator HOD

Sandip Foundation's
Sandip Institute of Engineering and Management
Department of Computer Engineering

CERTIFICATE

This is to certify that

BORDE KALYANI GANESH

of Sandip Institute of Engineering and Management has attended 5 days Value Addition Program on "Basics and Core JAVA" held from 6 Oct 2023 to 11 Oct 2023

VAP Coordinator HOD

Sandip Foundation's
Sandip Institute of Engineering and Management
Department of Computer Engineering

CERTIFICATE

This is to certify that

BANGAD RADHARANI RAJGOPAL

of Sandip Institute of Engineering and Management has attended 5 days Value Addition Program on "Basics and Core JAVA" held from 6 Oct 2023 to 11 Oct 2023

VAP Coordinator HOD

Sandip Foundation's
Sandip Institute of Engineering and Management
Department of Computer Engineering

CERTIFICATE

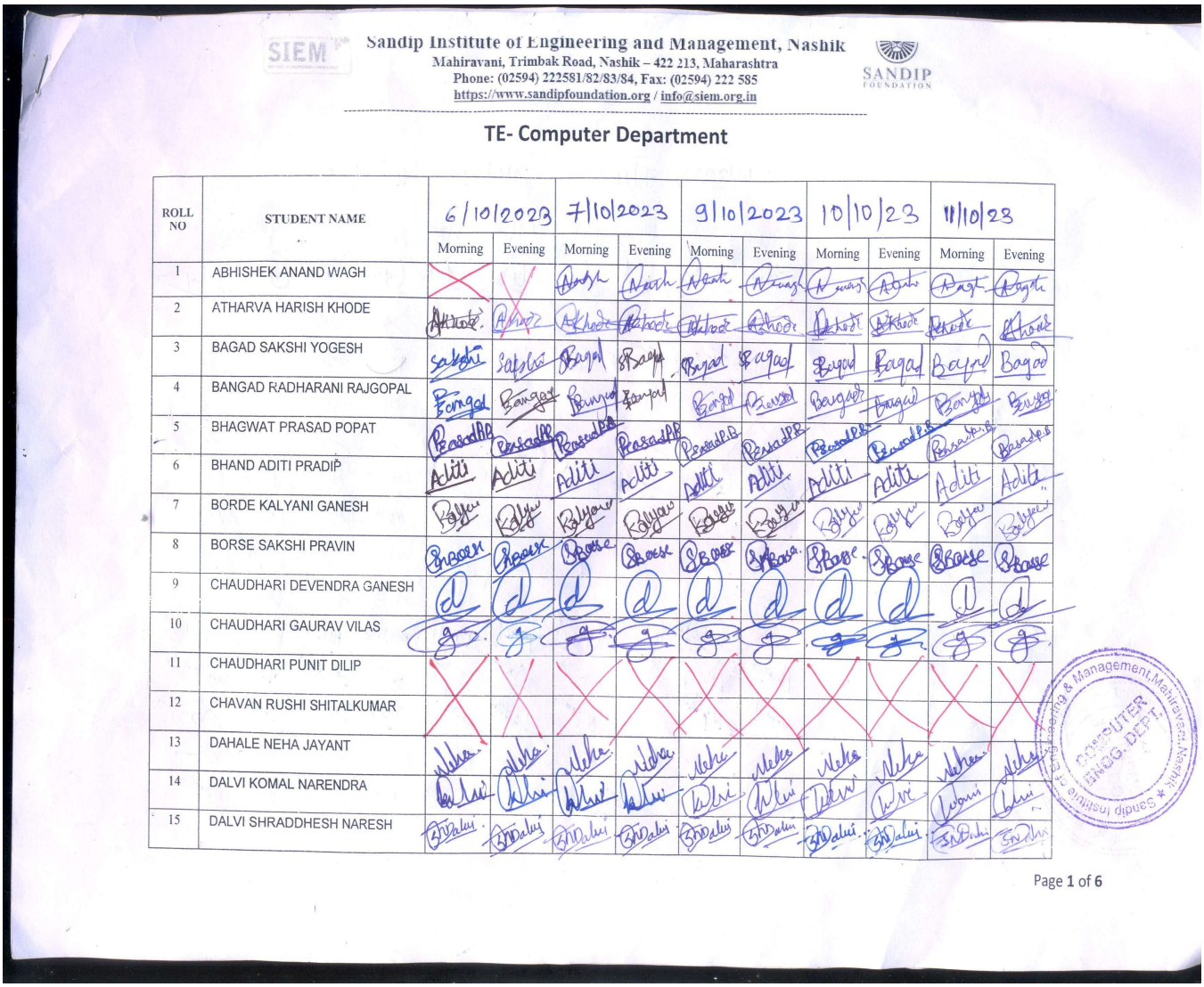
This is to certify that

BHAGWAT PRASAD POPAT

of Sandip Institute of Engineering and Management has attended 5 days Value Addition Program on "Basics and Core JAVA" held from 6 Oct 2023 to 11 Oct 2023

VAP Coordinator HOD

Attendance of Students:



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SIEM

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ROLL NO	STUDENT NAME	6/10/2023		7/10/2023		9/10/2023		10/10/23		11/10/23	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1	ABHISHEK ANAND WAGH										
2	ATHARVA HARISH KHODE										
3	BAGAD SAKSHI YOGESH										
4	BANGAD RADHARANI RAJGOPAL										
5	BHAGWAT PRASAD POPAT										
6	BHAND ADITI PRADIP										
7	BORDE KALYANI GANESH										
8	BORSE SAKSHI PRAVIN										
9	CHAUDHARI DEVENDRA GANESH										
10	CHAUDHARI GAURAV VILAS										
11	CHAUDHARI PUNIT DILIP										
12	CHAVAN RUSHI SHITALKUMAR										
13	DAHALE NEHA JAYANT										
14	DALVI KOMAL NARENDRA										
15	DALVI SHRADDHESH NARESH										

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		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
16	DARADE SHUBHAM MADHUKAR										
17	DESHMUKH GITESH PANKAJ										
18	DHAVANE PUSHKAR PRAFULLA										
19	GANGURDE SOHAM PRABHAKAR										
20	GAVANDE SUDEV ANKUSH										
21	GHATOLE KIRAN SURESH										
22	GODSE SUJAL CHANDRAKANT										
23	GOSAVI SANKETGIR GOKULGIR										
24	GUJAR JIDNYESH PRAKASH										
25	HARSHAL PANDURANG GIDHAD										
26	JADHAV PIYUSH SAMEER										
27	JAGTAP NUPUR SANJAY										
28	JODHA NIKHIL SINGH NARENDRA SINGH										
29	KAKAD AKASH RAMNATH										
30	KATIYARA MAYANK AMAR										

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		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
31	KHAIRNAR DINESH SANTOSH										
32	KISHORI MANOJ JADHAV										
33	KSHITIJA SHARAD GHOLAP										
34	LAYIK A. D										
35	MALODE SANKET RIDDESHWAR										
36	MAYA BHAUSAHEB BHOR										
37	MORE OJASVI SANJAY										
38	NAGARE SAKSHI BHAUSAHEB										
39	NAGRE SAKSHI SHARAD										
40	NARKHEDE OMPRASAD SANDESH										
41	PAGARE SUDARSHAN MADHUKAR										
42	PAIGHAN HITESH RAMESH										
43	PANDEY ISHIKA SHAILENDRA										
44	PARDESHI KHUSHI LAXMAN										
45	PARDESHI MANJIT KISHORSINGH										

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		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
46	PATEL KRUSHNA AMISH										
47	PATHARE SNEHA ANIL										
48	PATIL HARSHADA DNYANESHWAR										
49	PATIL LAVKESH SANJAY										
50	PATIL SHRINIWAS JAYAWANT										
51	PATIL VAIBHAV SHALIK										
52	PATOLE GAURI SHIVAJI										
53	PAWAR MAYUR HANSRAJ										
54	PRAJAPATI ARVINDKUMAR MAKKHANLAL										
55	PRANAV BHASKAR PANSARE										
56	PRITI VITTHAL JADHAV										
57	RAUT PRASHANT SUDAM										
58	ROHIT GANPATRAO MORE										
59	SAKSHI KIRAN SHINDE										
60	SANGLE ADITYA ANIL										

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61	SHAIKH MEHVISH FATIMA ZAKIR										
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64	SHINDE SAURABH JAGAN										
65	SOLANKI KHUSHI KIRANKUMAR										
66	SONAWANE ANKITA SUBHASH										
67	SONAWANE OMKAR CHANDRABHAN										
68	SONAWANE SAHIL PRAMOD										
69	SONAWANE SANKET RAJENDRA										
70	SOPE LALIT RAMESH										
71	TANMAY DAGADU CHAUDHARI										
72	TEJAS KAILAS MEHETRE										
73	VIJAY RAMCHARAN LODHIRAJPUT										

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Activity Feedback Form

Name of Participant: Jagtap Nupur Sanjay
Class: B.E.
Contact Number: 9404886282
Email id: nupurjagtap2003@gmail.com.
Title of Activity: VAP on "Basics and Core Java"

Give your rating on the basis of following evaluation scores.

Rating Scale	Excellent - 4	Good - 3	Average - 2	Below Average- 1

Statements	Rating
The Content was based on relevant topics.	3
The Program was well organized.	3
The topic of the program was easy to understand	3
The duration of the program was good enough.	3
The Program was beneficial for students' academic /personal growth.	3
Overall view of the Session	3

Suggestions / Comments:

Excellent session.

Signature of Participant: _____ Date: 11-10-23

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Activity Feedback Form

Name of Participant: Prasad Bhagwat

Class: B.E.

Contact Number: 8010544510

Email id: bhagwatp2510@gmail.com

Title of Activity: VAP on Basics and Core JAVA"

Give your rating on the basis of following evaluation scores.

Rating Scale	Excellent - 4	Good - 3	Average - 2	Below Average- 1

Statements	Rating
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Overall view of the Session	3

Suggestions / Comments:

excellent

Signature of Participant: _____ Date: 11-10-23