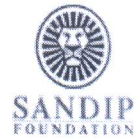Sandip Foundation's
Sandip Institute of Engineering and Management, Nashik
Mahiravani, Trimbak Road, Nashik – 422 213, Maharashtra
Phone: (02594) 222581/82/83/84, Fax: (02594) 222 585
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SIEM

SANDIP
FOUNDATION

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.

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

SANDIP FOUNDATION'S
Sandip Institute of Engineering & Management,
At Post Mahiravani, Trimbak Road, Nashik-422213
DEPARTMENT OF COMPUTER ENGINEERING

Hands-On-Workshop

On

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:-

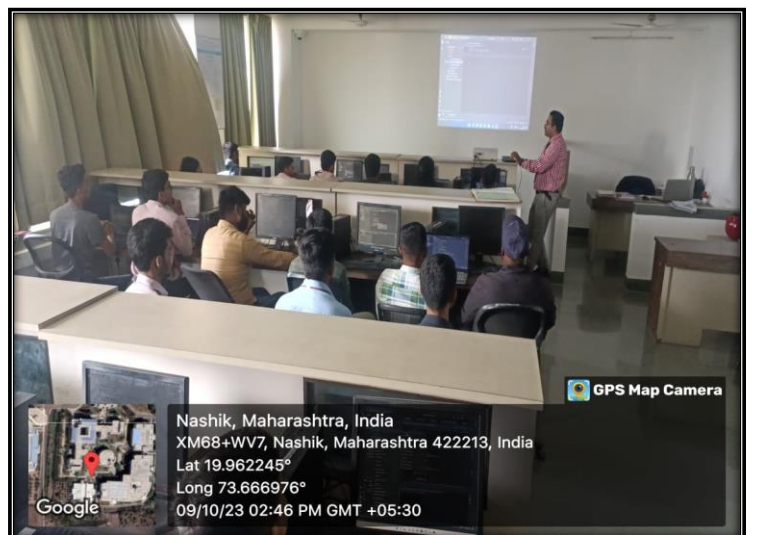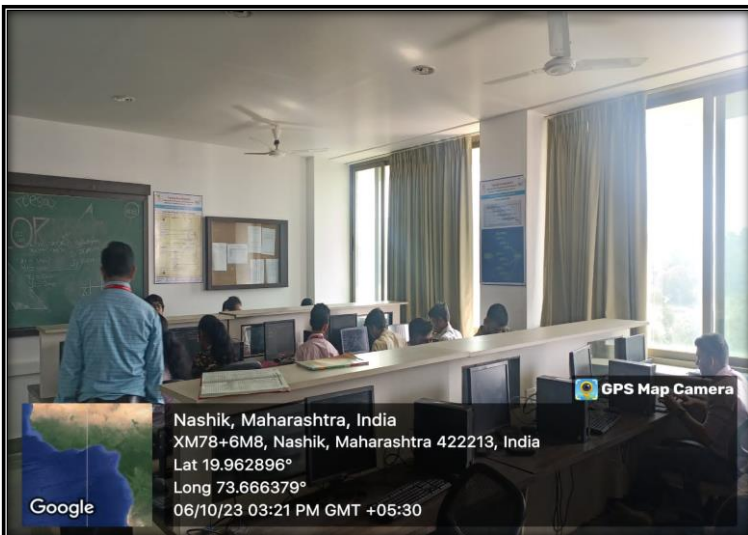| Lab No.	Lab Name	Content
Lab 1	Setting Up Your Development Environment	1. Installing JDK and IDE (e.g., Eclipse or IntelliJ) 2. Creating Your First Java Program
Lab 2	Variables, Data Types, and Operators	1. Working with Variables 2. Data Type Conversions 3. Arithmetic and Logical Operators
Lab 3	Control 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

Report

1. Event Title: VAP on "Basics and Core JAVA"

2. Event Date: 06/010/2023 to 11/10/2023

3. Event Conduction Duration: 5 day (Timings: 11 am to 5 pm)

4. Event Venue: Computer Seminar Hall

5. Event Resource Person Details: Prof. M V Korade

6. Name of Event Coordinator: Prof. M V Korade

7. Expected Audience: Students of TE .

8. Number of Participants: 58

9. Event 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 Java.

10. **Event Outcomes**:

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.

Event Photos: -
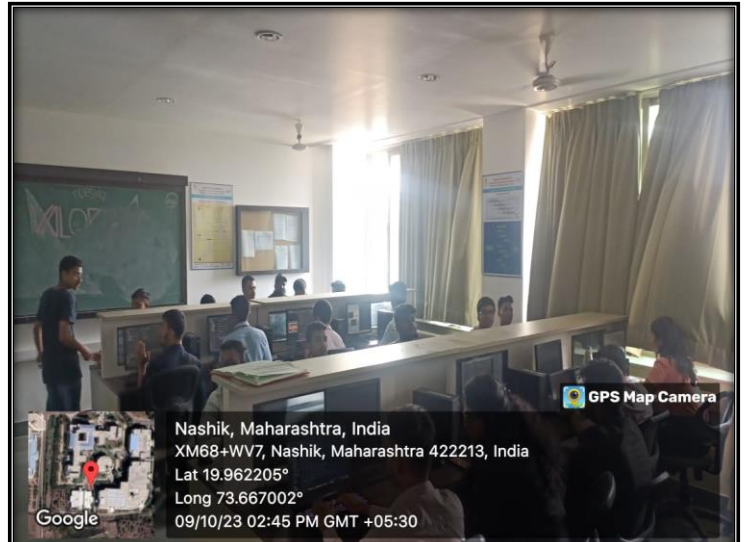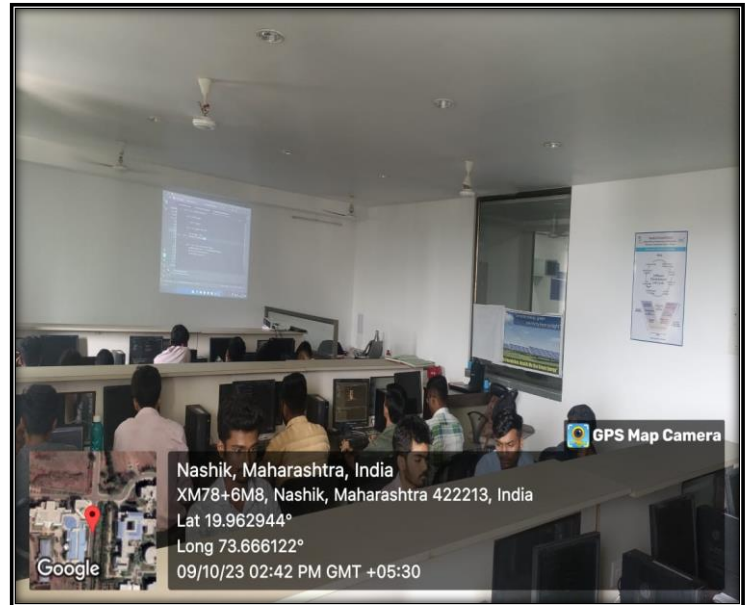
Google Classroom:

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

TE- Computer Department

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	✗	✗	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
2	ATHARVA HARISH KHODE	_sign_	✗	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
3	BAGAD SAKSHI YOGESH	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
4	BANGAD RADHARANI RAJGOPAL	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
5	BHAGWAT PRASAD POPAT	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
6	BHAND ADITI PRADIP	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
7	BORDE KALYANI GANESH	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
8	BORSE SAKSHI PRAVIN	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
9	CHAUDHARI DEVENDRA GANESH	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
10	CHAUDHARI GAURAV VILAS	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
11	CHAUDHARI PUNIT DILIP	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
12	CHAVAN RUSHI SHITALKUMAR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
13	DAHALE NEHA JAYANT	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
14	DALVI KOMAL NARENDRA	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_
15	DALVI SHRADDHESH NARESH	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_	_sign_

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ROLL NO	STUDENT NAME	6/10/2023		7/10/2023		9/10/2023		10/10/2023			
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
16	DARADE SHUBHAM MADHUKAR	Shubham	✕	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
17	DESHMUKH GITESH PANKAJ	G.Deshu	Gitesh	G.Desh	Gitesh	Gitu	Gitu	Gitu	Gitu	Gitu	Gitu
18	DHAVANE PUSHKAR PRAFULLA	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
19	GANGURDE SOHAM PRABHAKAR	सोहम	सोहम	सोहम	सोहम	सोहम	सोहम	सोहम	सोहम	सोहम	सोहम
20	GAVANDE SUDEV ANKUSH	✕	✕	S	S	S	S	S	S	S	S
21	GHATOLE KIRAN SURESH	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
22	GODSE SUJAL CHANDRAKANT	Godse		Godse	Godse	Godse	Godse	Godse	Godse	Godse	Godse
23	GOSAVI SANKETGIR GOKULGIR	Gosavi	✕	Gosavi	Gosavi	Gosavi	Gosavi	Gosavi	Gosavi	Gosavi	Gosavi
24	GUJAR JIDNYESH PRAKASH	✕	✕	Jidnes	Jidnes	Jidnes	Jidresh	Jidresh	Jidresh	Jidnesh	Jidnesh
25	HARSHAL PANDURANG GIDHAD	Harshal		Harshal	Harshal	Harshal	Harshal	Harshal	Harshal	Harshal	Harshal
26	JADHAV PIYUSH SAMEER		PJadhav	PJadhav	PJadhav	PJadhav	PJadhav	PJadhav	PJadhav	PJadhav	PJadhav
27	JAGTAP NUPUR SANJAY	Jagtap	Jagtap	Jagtap	Jag	Jag	Jag	Jag	Jag	Jag	Jag
28	JODHA NIKHIL SINGH NARENDRA SINGH	Jodha	Jodha	Jodha	Jodha	Jodha	Jodha	Jodha	Jodha	Jodha	Jodha
29	KAKAD AKASH RAMNATH	✕	✕	Akash	Akash	Akash	Akash	Akash	AK	nk	nk
30	KATIYARA MAYANK AMAR	Katiya	Katiya	Katiya	Katiya	Katiya	Katiya	mkaty	mkaty	mkaty	mkaty
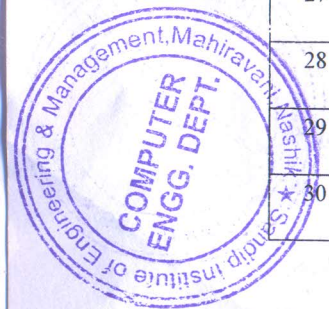
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ROLL NO	STUDENT NAME	6/10/2023									
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
31	KHAIRNAR DINESH SANTOSH	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*
32	KISHORI MANOJ JADHAV	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*
33	KSHITIJA SHARAD GHOLAP	Gholap	✗	Gholap	Gholap	Gholap	Gholap	Gholap	Gholap	Gholap	Gholap
34	LAYIK A. D	✗	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*
35	MALODE SANKET RIDDESHWAR	SMalode	SMalode	SMalode	SMalode	SMalode	SMalode	SMalode	SMalode	SMalode	SMalode
36	MAYA BHAUSAHEB BHOR	*sign*	✗	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*
37	MORE OJASVI SANJAY	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
38	NAGARE SAKSHI BHAUSAHEB	NBakshi	NBakshi	NBaksh	NBaksh	NBaksh	NBaksh	NBaksh	NBaksh	NBaksh	NBaksh
39	NAGRE SAKSHI SHARAD	Snagre	Snagre	Snagn	Snagr	Snagre	Snagre	Snagre	Snagre	Snagre	Snagre
40	NARKHEDE OMPRASAD SANDESH	ONMode	ONMode	ONMode	ONMode	ONMode	ONMode	ONMode	*sign*	*sign*	*sign*
41	PAGARE SUDARSHAN MADHUKAR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
42	PAIGHAN HITESH RAMESH	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh	Hitesh
43	PANDEY ISHIKA SHAILENDRA	✗	✗	Ishika	Ishika	Ishika	Ishika	Ishika	Ishika	Ishika	Ishika
44	PARDESHI KHUSHI LAXMAN	✗	✗	P	P	P	P	P	P	P	P
45	PARDESHI MANJIT KISHORSINGH	*sign*	manj	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*	*sign*
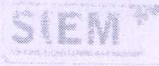
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		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
46	PATEL KRUSHNA AMISH	✗	✗	✗	—	—	—	—	—	—	—
47	PATHARE SNEHA ANIL	Sneha	✗	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
48	PATIL HARSHADA DNYANESHWAR	Buu	✗	Buu	Buu	Buu	Buu	Buu	Buu	Buu	Buu
49	PATIL LAVKESH SANJAY	✗		Patil	Patil	Patil	Patil	BPatil	BPatil	BPatil	BPatil
50	PATIL SHRINIWAS JAYAWANT	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil	APatil
51	PATIL VAIBHAV SHALIK	VPatil	VPatil	VPatil	VPatil	Patil	VPatil	VPatil	VPatil	VPatil	VPatil
52	PATOLE GAURI SHIVAJI	GPatel	GPatel	GPatel	GPatel	Patel	GPatel	GPatel	GPatel	GPatel	GPatel
53	PAWAR MAYUR HANSRAJ	Maww	Maww	Maww	Maww	Maww	Maww	Maww	Maww	Maww	Maww
54	PRAJAPATI ARVINDKUMAR MAKKHANLAL	✗	Arv	Arv	Arv	Arv	Arv	Arv	Arv	Arv	Arv
55	PRANAV BHASKAR PANSARE	Pranav	Pranav	pranav	Pranav	Pranav	Pranav	Pranav	prasad	Pravalli	Pravalli
56	PRITI VITTHAL JADHAV	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti
57	RAUT PRASHANT SUDAM	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
58	ROHIT GANPATRAO MORE	Ro	Ro	Ro	Ro	Ro	Ro	Ro	Ro	Ro	Ro
59	SAKSHI KIRAN SHINDE	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde	SKShinde
60	SANGLE ADITYA ANIL	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
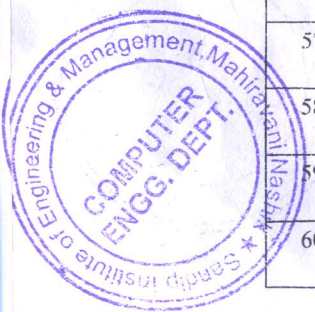
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		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
61	SHAIKH MEHVISH FATIMA ZAKIR	✗	✗	—	—	—	—	—	—	—	—
62	SHAILENDRA KUMAR MAHOBE	✗	✗	sign	sign	sign	sign	sign	sign	sign	sign
63	SHINDE BHUPESH ANIL	BShinde	BShinde	BShinde	BShinde	BShinde	BShinde	BShinde	BShinde	BShinde	BShinde
64	SHINDE SAURABH JAGAN	✗	✗	—	—	—	—	—	—	—	—
65	SOLANKI KHUSHI KIRANKUMAR	sign	sign	sign	sign	sign	sign	sign	sign	sign	sign
66	SONAWANE ANKITA SUBHASH	sign	sign	sign	sign	sign	sign	sign	sign	sign	sign
67	SONAWANE OMKAR CHANDRABHAN	sign	sign	sign	sign	sign	sign	sign	sign	sign	sign
68	SONAWANE SAHIL PRAMOD	✗	✗	—	—	—	—	—	—	—	—
69	SONAWANE SANKET RAJENDRA	sign	sign	sign	sign	sign	sign	sign	sign	sign	sign
70	SOPE LALIT RAMESH	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
71	TANMAY DAGADU CHAUDHARI	✗	✗	✗	✗	sign	✗	✗	✗	✗	✗
72	TEJAS KAILAS MEHETRE	sign	sign	sign	sign	sign	sign	sign	sign	sign	sign
73	VIJAY RAMCHARAN LODHIRAJPUT	✗	✗								

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