



**Sandip Foundation's  
Sandip Institute of Technology & Research Centre, Nashik  
Department of Computer Engineering**

**Industry-Academia Innovative Practice**

# **Activity Report**

**On**

# **“Programming in Core Java”**

**(7<sup>th</sup> Sept – 14<sup>th</sup> Sept 2014)**

**Organized by,**

**Sandip Foundation's  
Sandip Institute of Technology and Research Centre  
Department of Computer Engineering**



**Sandip Foundation's  
Sandip Institute of Technology & Research Centre, Nashik  
Department of Computer Engineering**

**Activity report on “Programming in Core Java”**

**Name of Resource Person:** Mr. Nadeem Shaikh

**Address:** Seed Infotech , Nashik

**Duration:** 40 hrs

**Date of Course :** 7<sup>th</sup> Sept – 14<sup>th</sup> Sept 2014

**Event Coordinator:** Prof. A. H. Palve, SITRC, Nashik

**Venue :** Computer Center Lab, SITRC

**Class:** TE

**Aim:** Increase the knowledge of advance core java .

**Objective :**

- 1) Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
- 2) Be able to use the Java SDK environment to create, debug and run simple Java programs.
- 3) Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.

**Outcomes:**

- 1) Implement object oriented programming concepts.
- 2) Use and create package and interfaces in a Java program.
- 3) Use graphical user interface in Java programs.
- 4) Create applets

**Course Structure:**

<b>Sr. No.</b>	<b>Topic</b>	<b>Duration</b>
<b>1</b>	<b>Introduction to Java</b>	<b>6 hrs</b>
1.1	Creation of Java	
1.2	Features of Java	
1.3	Overview of Programming with JDK	
1.4	Discuss the Java Security Model	
1.5	Describe Java Virtual Machine	
1.6	Garbage Collection and Memory Management	
<b>2</b>	<b>Object Oriented Programming</b>	<b>5 hrs</b>
2.1	Structures Programming technique	
2.2	Object Oriented Programming and its advantages	
2.3	Define Objects and Classes and the relation between them	
2.4	Explain terms-Attributes, Methods, Construction, Destruction and Persistence	
<b>3</b>	<b>Basics of Java</b>	<b>5 hrs</b>
3.1	Discuss the data types available in Java and utilize them in applications	
3.2	Describe the various control structures and loops available in Java	
3.3	Explain and utilize the various operators present in Java	
3.4	Explain an Array	
<b>4</b>	<b>Data Types, Modifiers, Expressions and Operations</b>	<b>4 hrs</b>
<b>5</b>	<b>Arrays and Flow Control Statements</b>	<b>4 hrs</b>
<b>6</b>	<b>Java Applets</b>	<b>8 hrs</b>
6.1	Difference between Applications and Applets	
6.2	Understand the Applet Class	
6.3	Create, run and execute Applets	
6.4	Understand the Security Restrictions applied on Applet	
6.5	Identify the various activities in an applet	
6.6	Identify how to use Components and layouts in Applets	
<b>7</b>	<b>Multithreading</b>	
7.1	Describe Multithreading	
7.2	Creating and Managing Threads	

7.3	Discuss the life cycle of threads	<b>8 hrs</b>
7.4	Understand the concept of synchronization	
7.5	Explain how to set the priorities of thread	
7.6	Understand what a daemon thread does	

**List of Participants:**

<b>Sr.No.</b>	<b>Name of Students</b>	
1	CHANDNI	KATHURIYA
2	ASHWINI	AWATE
3	GAYATRI	AMRUTKAR
4	CHETAN	AHIRE
5	VAISHALI	BACHHAV
6	PRADNYA	BAGAD
7	MADHURA	NARKHEDE
8	PAYAL	DISOJA
9	AARTI	DHADIWAL
10	SURAJ	BHAGAT
11	PRIYANKA	KUMAWAT
12	PRIYANKA	KULKARNI
13	KIRAN	CHAVAN

14	SHUBHAM	JANGLE
15	POOJA	CHAUDHARI
16	URMILA	MAHAJAN
17	ANKITA	DANDANE
18	KSHITIJA	DESHMUKH
19	KETKI	ARGADE
20	NILESHKUMAR	JHA
21	PIYUSH	JHA
22	UTKARSHA	BAGUL
23	NIKHIL	DIDOLKAR
24	DIVYA	GOHIL
25	FAIZAN	SHAIKH
26	RASIKA	JOSHI
27	VELANTINA	KAPALE
28	DIVYASHREE	BAVISKAR
29	VAIBHAV	AHER
30	JITESH	SAINDANE
31	NILESH	BHAVSAR

32	NIMBA	BUWA
33	SAGAR	CHOLKE
34	AKSHAY	DHONGADE
35	HRUDESH	MISTARI
36	SNEHAL	KAPSE
37	AKSHAY	CHOTHANI
38	VISHAKHA	KOTHAVADE
39	ASHWINI	KOTHULE
40	NEHA	KULKARNI
41	AKANKSHA	KALE
42	SNEHAL	KULKARNI
43	PRINCE	KUTTIKADAN
44	MINAL	DESHMUKH
45	SANKET	MAHAJAN
46	SHITAL	KANASKAR
47	KAJAL	MAHALE
48	KAUSHIK	MAHIDA

49	ISHA	MAHURKAR
50	AKANSH	MALAVIYA

**Event Photos:**



**Prof. A. H. Palve  
Coordinator**

**Prof. A. D. Potgantwar .  
HOD**