



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

Industry-Academia Innovative Practice

Activity Report

On

“Advance Java”

(5th – 27th Dec 2016)

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



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

Activity Report On “Advance Java”

Name of Resource Person: Mr. Harshal Mali
Mr. Darshan Mistry

Date: 5th – 27th Dec 2016

Address of Organization / Company: Next Zone Technology, Nashik

Duration of Course: 60 hrs

Class: BE

Venue: Computer Center, SITRC

Count of students: 70

Aim: To give practical knowledge and to develop applications by using Java.

Objectives:

- 1) Write multi-threaded Java applications
- 2) Use the Reflection API for highly generic tasks, discovery, or code-generation
- 3) Construct a Web Application using Servlets
- 4) Use standard annotations and develop custom annotations to express meta-data in Java source files
- 5) Communicate between processes using network sockets

Outcome:

At the end of the course the participant will

- 1) Develop Swing-based GUI
- 2) Update and retrieve the data from the databases
- 3) Develop server side programs in the form of servlets

Course Structure:

Sr. No	Topic	Duration
1	Object-oriented Concepts	3 hrs
2	Introduction to Java	3 hrs
3	Java classes	4 hrs
4	Concept of Inheritance & Polymorphism	4 hrs
5	Exception Handling	3 hrs
6	Annotations	2 hrs
7	Swing - Swing GUI Components - Examples of GUI with Swing controls - Swing API	6 hrs
8	Multithreading	6 hrs
9	Socket programming	4 hrs
10	Applet - Life cycle of an Applet - A “Hello Word” Applet	5 hrs
11	JDBC - Creating a Database and Tables - Getting Information from Database - Obtaining Result Set Information - Connecting a Java program to a Database - Prepared Statements and Statement Classes in Java - Inserting, Updating & Deleting Table data	8 hrs
12	Servlets - What is a Servlet - Servlet Lifecycle - Servlet Context - Session management - Building the first servlet - Deploying the servlet	8 hrs
13	JSP	4 hrs

	<ul style="list-style-type: none"> - What is a JSP Page - Basic HTML Tags - JSP Tag Library - JSP Page Life cycle - MVC architecture, 3-tier architecture 	
	Total Hours:	60 hrs

List of Students

Sr. No	Name of Students
1	Anjali Pawar
2	Ravina Kukkar
3	Pooja Shah
4	Heena Shaikh
5	Saloni Sule
6	Ankita Suryawanshi
7	Hitesh Suryawanshi
8	Piyusha Suryawanshi
9	Vishal Thakare
10	Surbhi Unavane
11	Mayur Vaishnav
12	Rutuja Vidhate
13	Prajakta Yelwande
14	Sudipta Maiti
15	Aliasgar Mandsaurwala
16	Akash Borse
17	Ankit Agrawal
18	Jignesh Kukreja
19	Manasi Kulkarni
20	Sakshi Kumat
21	Neha Chaudhari
22	Aliya Maniyar
23	Alfiya Maniyar
24	Rashmee Waghode
25	Fahad Khan
26	Shahu Kshirsagar

27	Roshan Shelke
28	Ketki Jagtap
29	Ashwini Joshi
30	Gulnaz Shaikh
31	Kajal Zope
32	Neha Visal
33	Sharvari Shinde
34	Naeem Shah
35	Dhwani Patel
36	Kavita Khairnar
37	Mohit Adamanake
38	Ankit Wagh
39	Shyamji Pandey
40	Monika Pawar
41	Kanchan Chavhal
42	Shubhangi Ingale
43	Gayatri Aher
44	Komal Gaikwad
45	Divya Patil
46	Lajari Ingale
47	Murtuza Kanchwala
48	Akash Bhamare
49	Harshal Sonar
50	Pooja Pekhale
51	Akshata Upadhye
52	Ashwini Nikam
53	Monika Kawale
54	Naisargi Pokar
55	Sujata Kulkarni
56	Deepali Jaybhave
57	Roshan Deshmukh
58	Nutan Kawale
59	Bhushan More
60	Namrata Nagpure

61	Divya Gohil
62	Tanvi Kulkarni
63	Rajnish Rai
64	Priyanka Patil
65	Urvashi Yadav
66	Moiza Shaikh
67	Tejaswini Patil
68	Komal Jain
69	Gaurav Deore
70	Sandesh Deshmukh

Photographs of Event



Prof. Sandip Walunj
Coordinator

Prof. (Dr.) Amol Potgantwar
Head of Department