



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

**Industry-Academia Innovative Practice**

**Activity Report on,  
Employability Skill Development Program of  
Zensar Technologies(Phase I,II,II)  
(21<sup>st</sup> Dec 2015 – 16<sup>th</sup> June 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

### Activity Report on Employability Skill Development Program of Zensar Technologies(Phase 1,Phase 2,Phase 3)

**Name of Resource Person:** Ms Poonam Singh, Zensar Technologies

**Date:-** 21<sup>st</sup> Dec 2015 – 16<sup>th</sup> Jan 2016

**Duration of Course:** 36 Hrs.

**Venue:-** Computer seminar hall,SITRC

**Co-ordinator:** Prof Sandip Jore, SITRC

**Aim:** To Develop effective communication skills, presentation skills and to improve the aptitude skills

#### **Objectives:**

- 1) To think critically about mathematical models for relationships between different quantities and use those models effectively and accurately to solve problems and reach sound conclusions.
- 2) Will be able to critically evaluate various real life situations by resorting to Analysis of key issues and factors
- 3) To provide guidance to the students from IT Industry Trainer to focus on Employability skills development.
- 4) To avail knowledge for students to crack the aptitude examinations for Placement Activity.

#### **Outcomes:**

- 1) To get placed in various Companies.
- 2) To interact with IT professional.
- 3) To view their idea in different ways.
- 4) To crack aptitude examinations in professional ways.

**No of Participants: 90**

**Course Content:**

<b>Sr. No</b>	<b>Topic</b>	<b>Duration</b>
<b><u>Aptitude</u></b>		
1	Simple equations	3 hrs
2	Ratio and proportion	3 hrs
3	Variation	3 hrs
4	Percentages	3 hrs
5	Profit And Loss	3 hrs
6	Quadratic equations	3 hrs
<b><u>Soft skills</u></b>		
1	Verbal Communication	3 hrs
2	Listening Skills	3 hrs
3	Non Verbal Communication	3 hrs
4	Conference Call Etiquette	3 hrs
5	Time Management	3 hrs
6	Stress Management	3 hrs
	<b>Total Hours:</b>	<b>36 hrs</b>

## Phase-II Training Program

**Name of Resource Person:** Ms.Poonam Singh, Zensar Technologies

**Date:** 20<sup>th</sup> Jan- 2<sup>nd</sup> Feb 2016

**Duration of Course:** 32

**Venue:** Seminar Hall, SITRC

**Aim:** To train and improve the technical skills of students

### Objectives:

- 1) Understand the basics of Relational Databases
- 2) Write SQL, PL-SQL code to build and maintain database structures
- 3) Retrieve data from single or multiple tables
- 4) Process data with row and aggregate functions
- 5) Manipulate data with correlated and non correlated sub-queries

### Outcome:

- 1) Students will able to creating and modifying tables, constraints and indexes
- 2) Students will able to Modifying table contents
- 3) Students will able to Joining multiple tables
- 4) students will able to create databases for applications

**No of Participants:** 90

### Course Structure:

Sr. No	Topic	Duration
<b><u>SQL</u></b>		
1	Introduction to SQL	1 hrs
2	Retrieving Data, Updating Data, Inserting Data, Deleting Data	3 hrs
3	Sorting and Filtering Data	2 hrs
4	Joining Tables	3 hrs
5	Views	2 hrs
6	Cursors	3 hrs
<b><u>RDBMS</u></b>		
1	Overview of RDBMS	1 hrs

2	Introduction to data models (hierarchical, network, relational)	2 hrs
3	Examples of RDBMS	2 hrs
4	The relational data model: concepts and terminology, operations on data (DDL, DML), relationships and relationship types	3 hrs
<b><u>PL-SQL</u></b>		
1	Introduction to PL-SQL	2 hrs
2	Retrieving Data in PL-SQL	3 hrs
3	Manipulating Data in PL-SQL	3 hrs
4	Program Structures to Control Execution Flow	2 hrs
	<b>Total Hours:</b>	32 hrs

# **Phase-III Training Program**

**Name of Resource Person:** Ms. Poonam Singh, Zensar Technologies

**Date:** 15<sup>th</sup> Feb- 28<sup>th</sup> Feb 2016

**Duration of Course:** 60 hrs

**Venue:** Seminar Hall, SITRC

**Aim:** To train and improve the technical skills of students

## **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

**No of Participants:** 90

**Course Structure:**

<b>Sr. No</b>	<b>Topic</b>	<b>Duration</b>
1	Concept of Object Oriented Programming	1 hrs
2	Fundamentals of Java Programming	2 hrs
3	Java classes	3 hrs
4	Concept of Inheritance & Polymorphism	4 hrs
5	Exception Handling	4 hrs
6	Packages	3 hrs
7	Multithreaded Programming	4 hrs
8	Socket programming	6 hrs
9	Applet Programming	6 hrs
10	Event Handling	5 hrs
11	GUI Programming	6 hrs
12	JFC and Swing	6 hrs
13	Database Connectivity using JDBC	5 hrs
14	Servlets	5 hrs
	<b>Total Hours:</b>	60 hrs

<b>Sr.No</b>	<b>Name of Students</b>
1	Mrunal Ramesh Ahire
2	Jaya Sanjay Avhad
3	Harshada Bhatu Bagul
4	Rutuja Ramchandra Bhadange
5	Priya Narendra Bhojwani
6	Namrata Lalit Bhole
7	Amruta Sunil Bodke

8	Kajal Kantilal Borase
9	Rahul Chatterjee
10	Gaurav Rajendra Chaudhary
11	Poorvin Nileshbhai Desai
12	Rushi Suketubhai Desai
13	Shraddha Milind Deshmukh
14	Snehal Ramesh Dhurjad
15	Aditya Rajesh Dixit
16	Ankit Balu Gawali
17	Harshaling Surendrasing Girase
18	Nikhil Ram Gurubaxani
19	Vaibhav Bapu Jadhav
20	Mayur Puhdlik Jadhav
21	Hrishikesh Jha
22	Bhakti Prashant Kulkarni
23	Prashant Rajendra Mahale
24	Prashant Narayan Mahale
25	Komal Balu More
26	Pushpak Bhikandas Mutha
27	Shubham Dhondu Nagare
28	Apurva Ravindra Nagare
29	Pranali Dilip Nikumbh
30	Soniya Ashokbhai Patel
31	Somesh Pralhad Patil
32	Rahul Jitendra Patil
33	Pooja Ishwar Patil
34	Ketan Vinayak Patil
35	Rutuja Yogesh Patil
36	Mrunali Rajendra Patil
37	Prachi Pravin Patil
38	Bhushan Rajendra Patil



39	Pallavi Prabhakar Pawar
40	Jayesh Prakash Pawar
41	Yogita Prabhakar Porje
42	Hardik Kailas Rabhadiya
43	Pallavi Somnath Sandhan
44	Sameer Arif Shaikh
45	Almas Sagir Shaikh
46	Aman Sharma
47	Eeshha Anneel Sharrma
48	Mandar Suresh Shinde
49	Nisha Arjun Kapse
50	Shubham Vikas Deshmukh
51	Priyanka Vasudev Mahale
52	Seema Balu Lahamage
53	Dipali Rajendra Gaikwad
54	Jyoti Kakasaheb Mhaske
55	Mayuri Vijay Shinde
56	Kirti Dilip Marathe
57	Utkarsh Sanjay Patil
58	Devyani Mohan Sadavarte
59	Mansi Sanjay Chaudhari
60	Arati Rajendra Gend
61	Asmita Anil Kanojia
62	Akshata Kashinath Tikode
63	Pooja Rameshbhai Chhatrola
64	Rekha Prabhakar Pawar
65	Vaibhav Ravindra Kanade
66	Chetan Babanrao Satbhai
67	Balu Avchit Gaikwad
68	Jessica Sushil Mehendre
69	Pritam Mohan Sangle

70	Sakshi Kailas Nikam
71	Ruchika Ravindra Mahajan
72	Pooja Anil Mahajan
73	Kaushal Sham Joshi
74	Pooja Shridhar Gite
75	Kalyani Komalsing Girase
76	Madhuri Sanjay Kumavat
78	Aasawari Prakash Dixit
77	Nikita Ashok Kothawade
79	Krishnendu Vijaykumar Nair
80	Utkarsha Nitin Patil
81	Nidhi Rakesh Shah
82	Aakash Vijay Gole
83	Murtuza Nasir Kanchwala
84	Akash Manohar Bhamare
85	Harshal Sanjay Sonar
86	Pooja Prakash Pekhale
87	Akshata Rajendra Upadhye
88	Ashwini Kailas Nikam
89	Monika Madan Kawale
90	Naisargi Maheshbhai Pokar

**Photographs:**



**Prof.Sandip Jore  
(Co-ordinator)**

**Prof A.D.Potgantwar  
(Head, Computer Dept)**