



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

Industry-Academia Innovative Practice

**Skill Based Training on
“Aptitude Session”**

(5th Dec-10th Dec 2016)

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



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

Skill Based Training on “Aptitude Session”

Name of Resource Person: Mr. Rohit Runwal, MAD Academy Pune

Duration: 38 hrs

Date of Course: 5th-10th Dec 2015

Coordinators: Prof Sandip Jore, SITRC, Nashik

Venue: Seminar Hall, Computer Engg Department , SITRC.

Aim: To train students on the basis of aptitude and soft skills for employability.

Objective:

1. To motivate student for Training and placement activity.
2. To provide guidance to the students from IT Industry Trainer to focus on Employability skills development.
3. To avail knowledge for students to crack the aptitude examinations for Placement Activity.

Outcomes :

- To getting placed in various Companies.
- To interact with IT professional.
- To view their idea in different ways.
- To crack aptitude examinations in professional ways.

No of Participants: 50

Course Structure:

Sr. No.	Topic	Duration
<u>Syllabus for Quantitative Aptitude</u>		
1	Competency 1: Simple equations, Ratio, Proportion, Variation, Percentages Simple equations	

	<p>Simple Equation</p> <ul style="list-style-type: none"> • Definition of Linear Equations 	3 hrs
	<ul style="list-style-type: none"> • Formation of simple equations 	
	<ul style="list-style-type: none"> • Problems on Ages, Fractions and Digits 	
	<ul style="list-style-type: none"> • Indeterminate system of equations 	
	<ul style="list-style-type: none"> • Special cases in indeterminate system of equation 	
	<p>Ratio and proportion</p> <ul style="list-style-type: none"> • Definition of Ratio • Properties of Ratios • Comparison of Ratios • Problems on Ratios • Compound Ratio • Problems on Proportion, Mean proportional and Continued Proportion 	2 hrs
	<p>Variation</p> <ul style="list-style-type: none"> • Direct variation • Inverse variation • Joint variation • Problems on Variations 	2 hrs
2	<p>Competency 2: Percentages, Profit and loss, Partnership, Simple interest and Compound interest, Quadratic equations, progressions</p>	
	<p>Percentages</p> <ul style="list-style-type: none"> • Introduction • Converting a percentage into decimals • Converting a Decimal into a percentage • Percentage equivalent of fractions • Problems on percentages 	3 hrs
	<p>Profit And Loss</p> <ul style="list-style-type: none"> • Problems on Profit and Loss percentage • Relation between Cost Price and Selling price • Discount and Marked Price • Two different articles sold at same Cost Price • Two different articles sold at same Selling Price • Gain% / Loss% on Selling Price 	2 hrs

	Partnership <ul style="list-style-type: none"> • Introduction • Relation between capitals, Period of investments and Shares 	2 hrs
	Simple Interest <ul style="list-style-type: none"> • Definitions • Problems on interest and amount • Problems when rate of interest and time period are numerically equal 	2 hrs
	Compound Interest <ul style="list-style-type: none"> • Definition and formula for amount in compound interest • Difference between simple interest and compound interest for 2 years on the same principle and time period. 	2 hrs
	Quadratic equations <ul style="list-style-type: none"> • General form of Quadratic equations • Finding the roots of Quadratic equations • Nature of the roots • Relation between the roots • Maximum and minimum value of Quadratic Expression 	2 hrs
<u>Syllabus for Reasoning</u>		
3	Competency 3	
	Deductions <ul style="list-style-type: none"> • Finding the conclusions using Venn diagram method • Finding the conclusions using syllogism method 	3 hrs
	Connectives <ul style="list-style-type: none"> • Definition of a simple statement • Definition of compound statement • Finding the Implications for compound statements • Finding the Negations for compound statements 	3 hrs
	Competency 4	
	Analytical Reasoning puzzles <ul style="list-style-type: none"> • Problems on Linear arrangement • Problems on Circular arrangement • Problems on Double line-up • Problems on Selections • Problems on Comparisons 	2 hrs

	Competency 5:	
	Clocks <ul style="list-style-type: none"> • Finding the angle when the time is given • Finding the time when the angle is known • Relation between Angle, Minutes and Hours • Exceptional cases in clocks 	2 hrs
	Calendars <ul style="list-style-type: none"> • Definition of a Leap Year • Finding the number of Odd days • Framing the year code for centuries • Finding the day of any random calendar date 	2 hrs
<u>Blood Relations</u>		
	<ul style="list-style-type: none"> • Defining the various relations among the members of a family 	1 hrs
	<ul style="list-style-type: none"> • Solving Blood Relation puzzles 	1 hrs
	<ul style="list-style-type: none"> • Solving the problems on Blood Relations using symbols and notations 	2 hrs
	Total Hours	38 Hrs

List of Participants

Sr.No	Name of Student
1	Danishkhan Sajidkhan Pathan
2	Vrushali Vijay Jadhav
3	Harshali Prasad Patil
4	Pavitra Mukunda Patil
5	Pooja Pundlik Patil
6	Rahul Avinash Jadhav
7	Manas Surendra Upasani
8	Gaytri Gajanan Lambe
9	Jyoti Santosh Pawar
10	Madhuri Manohar Baviskar
11	Shubhangi Eknath Medhane

12	Deepa Ratilal Pokar
13	Madhuri Ananda Shinde
14	Ashwini Bharat Patil
15	Prasad Gangadhar Kothawade
16	Tejaswini Rajendra Patil
17	Shruti Sanjay Gosavi
18	Aditi Aba Chaudhary
19	Parimal Pankaj Lokhande
20	Yash Sanjeev Kolte
21	Puranima Hari Mule
22	Mahima Nanik Ahuja
23	Sonali Mohan Adhav
24	Viresh Rajiv Chibber
25	Aniket Sanjay Marathe
26	Smita Dileep Gite
27	Shruti Anil Gojare
28	Gayatri Chandrakant Bagul
29	Kiran Dattatrey Hire
30	Varsha Laxman Waje
31	Snehal Sabhapati Yadav
32	Nandu Ashok Sarkate
33	Yogesh Kailashchandra Jangid
34	Chetana Madhukar Patil
35	Kalyani Nitin Pati I
36	Anjali Yamaji Pawar
37	Akash Anil Phalak
38	Prashant Vitthal Rahane
39	Ravina Sagar Kukkar
40	Pooja Deepak Shah
41	Heena Nasir Shaikh
42	Majhar Ahmad Shaikh
43	Saloni Atul Sule
44	Ankita Rajendra Suryawanshi

45	Hitesh Pramod Suryawanshi
46	Piyusha Sudam Suryawanshi
47	Vishal Ambadas Thakare
48	Surbhi Sanjay Unavane
49	Mayur Mavjibhai Vaishnav
50	Rutuja Sopan Vidhate

Event Photo:



Prof. Sandip Jore
Coordinator

Prof. A. D. Potangwar
HOD

