



**Sandip Foundation's
Sandip Institute of Technology and Research Centre**

Industry-Academia Innovative Practice
Activity Report
On
Placement Preparation(Aptitude)
(22nd -29th July 2015)

Organized by
**Department of Computer
Engineering**



Sandip Foundation's Sandip Institute of Technology and Research Centre

Activity Report On Placement Preparation(Aptitude)

Resource Person: Rohit Runwal, MAD Academy, Pune

Date: 22nd July- 29th July 2015

Class: BE Computer

Course Duration: 36 Hrs

Venue: Seminar Hall, SITRC

Co-ordinator: Prof Sandip Jore, SITRC, Nashik

Aim: To guide students to choose right career and to give knowledge, skill and aptitude and meet the manpower requirements of the Industry.

Course Objectives:

After thorough learning of Quantitative Aptitude and Reasoning, a student:

1. Will be able to critically evaluate various real life situations by resorting to Analysis of key issues and factors.
2. Will be able to read between the lines and understand various language structures.
3. Will be able to demonstrate various principles involved in solving mathematical problems and thereby reducing the time taken for performing job functions.

Outcomes:

- 1.To get placed in various companies
- 2.To interact with IT professional view their ideas in different ways
- 3.To crack aptitude exam in professional ways

No of Participants: 80

Course Content:

Sr. No.	Topic	Duration
<u>Syllabus for Quantitative Aptitude</u>		
1	Competency 1: Simple equations, Ratio, Proportion, Variation, Percentages Simple equations	
	Simple Equation <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 	
	Ratio and proportion <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
	Variation <ul style="list-style-type: none"> Direct variation Inverse variation Joint variation Problems on Variations 	2 hrs
2	Competency 2: Percentages, Profit and loss, Partnership, Simple interest and Compound interest, Quadratic equations, progressions	
	Percentages <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
	Profit And Loss <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	2 hrs

	<ul style="list-style-type: none"> • Definitions • Problems on interest and amount • Problems when rate of interest and time period are numerically equal 	
	<p>Compound Interest</p> <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
	<p>Quadratic equations</p> <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	
	<p>Deductions</p> <ul style="list-style-type: none"> • Finding the conclusions using Venn diagram method • Finding the conclusions using syllogism method 	3 hrs
	<p>Connectives</p> <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	
	<p>Analytical Reasoning puzzles</p> <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:	
	<p>Clocks</p> <ul style="list-style-type: none"> • Finding the angle when the time is given • Finding the time when the angle is 	2 hrs

	known <ul style="list-style-type: none"> • Relation between Angle, Minutes and Hours • Exceptional cases in clocks 	
	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	36 Hrs

List of Participants:

Sr.No	Name of Students
1	Reena Kailas Ahire
2	Gayatri Bapu Amrutkar
3	Prasad Sanjay Aher
4	Ketki Sachin Argade
5	Madhura Makrand Narkhede
6	Vaishali Deelip Bachhav
7	Rashmi Annappa Badadale
8	Karishma Sanjay Bafana
9	Pradnya Suresh Bagad
10	Jagdish Govinda Bagul
11	Utkarsha Sunil Bagul
12	Divyashree Shivajirao Baviskar
13	Suraj Shankar Bhagat
14	Kishankumar Jayvant Bhamre
15	Ajay Dattrao Shingare
16	Ashish Dilip Bhelonde

17	Jagruti Haresh Chaudhari
18	Nikita Yuvaraj Chaudhari
19	Pooja Dipak Chaudhari
20	Prajakta Ravindra Chaudhari
21	Chanchal Damodar Deore
22	Kiran Suresh Chavan
23	Prachi Dilip Chhajed
24	Ramesh Prakash Vig
25	Abhijeet Devidas Kothawade
26	Tejashree Rajesh Patil
27	Ankita Pravin Dandane
28	Priyanka Damodar Dawande
29	Sandeep Bhausahab Jadhav
30	Suvarna Kailas Deore
31	Damini Nitin Deshmankar
32	Kshitija Anil Deshmukh
33	Sumitra Asaram Lahane
34	Parikshit Ravindra Deshpande
35	Aarti Abhay Dhadiwal
36	Chhaya Chhabu Dhattrak
37	Nikhil Prakash Didolkar
38	Payal Sanjay Disoja
39	Ankkita Sanjaykumar Bumb
40	Pallavi Raosaheb Erande
41	Ankita Kishor Pendole
42	Pratik Anil Gharate
43	Pooja Dattatray Ghodekar
44	Maitreyee Vijay Patil
45	Ekta Vinod Goil
46	Tejas Ramchandra Gorhe
47	Parth Harishchandra Gunjal
48	Mukund Mahendra Malpani
49	Poonam Vijay Jadhav
50	Sushant Sunil Pardeshi
51	Shubham Dattatraya Jangle

52	Rasika Sunil Joshi
53	Yadnesh Pradeep Joshi
54	Prasad Arun Kadam
55	Priyanka Sudhir Kulkarni
56	Urmila Sanjay Mahajan
57	Roshani Rajendra Thakare
58	Velantina Rajendra Kapale
59	Gauri Ulhas Khupase
60	Akash Ashok Katare
61	Chandni Sunil Kathuriya
62	Varsha Shyamrao Kawale
63	Nawab Nabi Khan
64	Shahejad Najmuddin Khan
65	Akanksha Ashok Koulage
66	Nileshkumar Suman Jha
67	Ajit Madhav Chavan
68	Priyanka Prakash Wagh
69	Milan Ashok Harak
70	Nayan Narendra Sonawane
71	Ashish Pradeep Deshmukh
72	Pooja Chandrakant Gangurde
73	Vaidehi Bapu Jadhav
74	Priyanka Krishnakant Kumawat
75	Ashwini Kalyanrao Awate
76	Tejashree Sudhakar Patil
77	Rutuja Vamanrao Nawale
78	Utkarsha Rajendra Teke
79	Minal Vinayak Deshmukh
80	Niji Sreenivasan Pillai

Event Photos:



Prof Sandip Jore
Co-ordinator

Prof A.D.Potgantwar
HOD