



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

**Industry-Academia Innovative Practice**

# **Activity Report**

**On**

# **“Application Development Using Android”**

**(Phase I - 13 February – 16 February 2015**  
**Phase II - 7 March -8 March 2015**  
**Phase III - 27 March -29 March 2015)**

**Organized by**

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



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**Department of Computer Engineering**

**Activity report on “Application Development Using  
Android”**

**Name of Resource Person:** Mr. Atul Palandulkar

**Address :** Klouds cyber technologies pvt, Pune

**Date of Course :** Phase I - 13 February – 16 February 2015    **Duration :** 60 hrs.  
Phase II - 7 March -8 March 2015  
Phase III - 27 March -29 March 2015

**Event Coordinators:** Prof. Tanmoy Goswami, SITRC, Nashik      **Class:** Third Year.

**Venue:** Project Lab, Computer Engg Department, SITRC, Nashik.

**Aim:** To trained students in Java and Android Application Development

**Objective:**

- To develop applications on mobile platform.
- The hands-on training is effective for beginners and experienced developers for
- practical Android Code Application.

**Outcomes:**

- Install and configure Android application development tools.
- Design and develop user Interfaces for the Android platform.
- Save state information across important operating system events.
- Apply Java programming concepts to Android application development.

## Course Structure:

### Phase- I

Sr. No.	Topics	Duration
1	Introductions	2 hrs
2	Tools/environment setup & troubleshooting	5 hrs
3	Create 1st Android App – Hello World	4 hrs
4	<b>Introduction to Java</b> A) Creating, compiling, & running a Java Program B) Variables, constants, data types, output and comments C) Operations: math, assignment, comparison, precedence, escape characters D) If, switch, for, while, do-while, break/continue E) Arrays F) Strings G) OO: properties + methods, inheritance, containment, class vs. Object, interfaces	9 hrs
5	<b>Revisit First Android App – Hello World</b> A) Manifest B) Resources C) Views D) Debugging E) DDMS F) Logcat	10 hrs

### Phase- II

Sr. No.	Topics	Duration
1	<b>Working with the User Interface</b> <ul style="list-style-type: none"><li>• Development tools</li></ul>	4 hrs
2	<b>Applications</b> A) App manifest B) Resources C) Application types	4 hrs
3	<b>Activities</b> A) Activity Life Cycle	3 hrs

4	<b>Introduction to UI</b> A) Layouts B) Fragments C) Adapters D) Action bar E) Dialogs F) Notifications	5 hrs
5	<b>UI best practices</b>	3 hrs

### Phase- III

Sr. No.	Topics	Duration
1	<b>Data and App interaction</b>	2 hrs
2	<b>Intents and Broadcast Receivers</b> A) Intents B) Pending intents C) Intent resolution D) Native broadcast intents	3 hrs
3	Preferences and saving state	2 hrs
4	Content Providers	1 hr
5	<b>Background processing</b> A) Services B) Intent Service C) Async Task D) Alarms	3 hrs

### List of Participants:

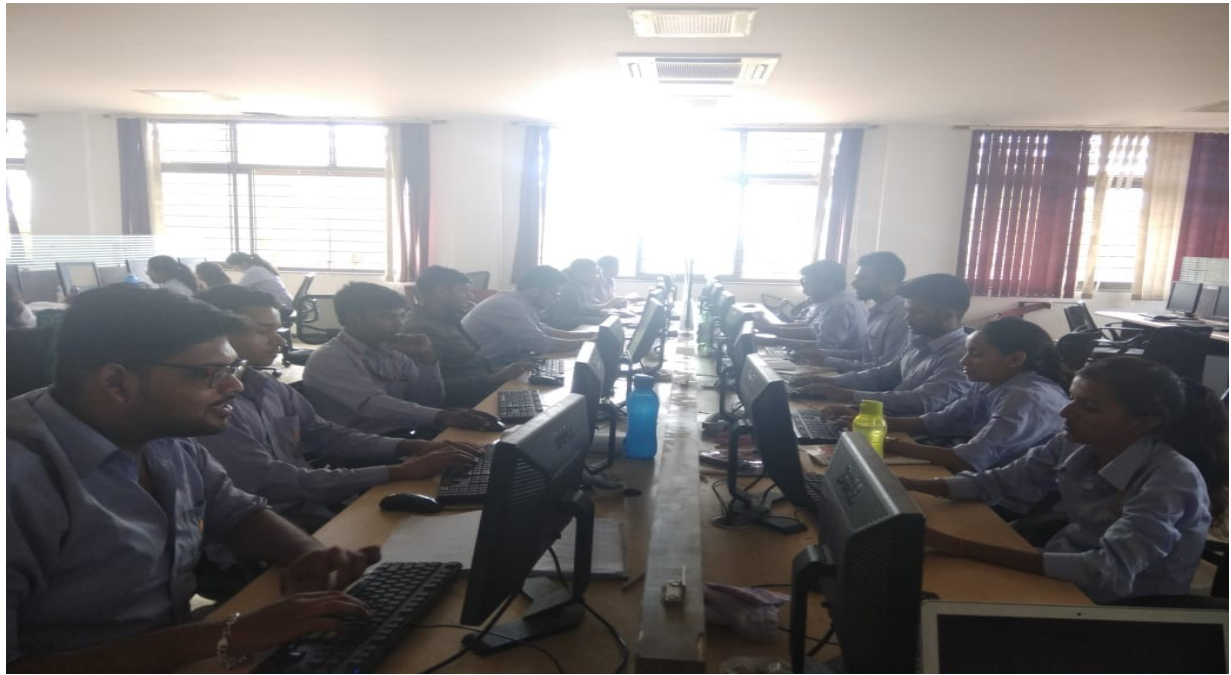
Sr. No.	Name of Student
1	VAIBHAV SURESH AHER
2	JITESH SUBHASH SAINDANE
3	NILESH SUNIL BHAVSAR
4	NIMBA KAILAS BUWA
5	SAGAR GORKSHNATH CHOLKE
6	AKSHAY DNYANESHWAR DHONGADE
7	HRUDESH KISHOR MISTARI
8	SNEHAL NANDKISHOR KAPSE
9	AKSHAY LAXMAN CHOTHANI
10	VISHAKHA RAJESH KOTHAVADE
11	ASHWINI DNYANESHWAR KOTHULE
12	NEHA DHANANJAYRAO KULKARNI
13	AKANKSHA BHAUSAHEB KALE
14	SNEHAL SANJAY KULKARNI

15	PRINCE PIUS KUTTIKADAN
16	MINAL VINAYAK DESHMUKH
17	SANKET BALASAHEB MAHAJAN
18	SHITAL NAMDEO KANASKAR
19	KAJAL SANJAY MAHALE
20	ISHA KISHOR MAHURKAR
21	AKANSH RAJENDRA MALAVIYA
22	AISHWARYA RADHAKRISHNAN NAIR
23	AKSHAY RAJKUMAR NARA
24	KAVITA PRAKASH AVHAD
25	RUTUJA VAMANRAO NAWALE
26	AJINKYA BHUSHAN NIKAM
27	TEJAS MAHESH NIKAM
28	DEEPAK JAGDISHCHANDRA PALIWAL
29	ANKIT KRISHNAGOPAL PANCHAL
30	MITESHWARI RAMLAL PARDESHI
31	POOJA DATTATRAY GHODEKAR
32	EKTA VINOD GOIL
33	TEJAS RAMCHANDRA GORHE
34	PARTH HARISHCHANDRA GUNJAL
35	POONAM VIJAY JADHAV
36	VAIDEHI BAPU JADHAV
37	VRUSHALI VIJAY JADHAV
38	PRASHANT VINOD PATIL
39	SHUBHAM DATTATRAYA JANGLE
40	PIYUSH NARENDRA JHA
41	RASIKA SUNIL JOSHI
42	YADNESH PRADEEP JOSHI
43	PRASAD ARUN KADAM
44	PRIYANKA SUDHIR KULKARNI
45	URMILA SANJAY MAHAJAN
46	ROSHANI RAJENDRA THAKARE
47	VELANTINA RAJENDRA KAPALE
48	GAURI ULHAS KHUPASE
49	AKASH ASHOK KATARE
50	CHANDNI SUNIL KATHURIYA
51	VARSHA SHYAMRAO KAWALE
52	NAWAB NABI KHAN
53	SHAHEJAD NAJMUDDIN KHAN

54	AKANKSHA ASHOK KOULAGE
55	PRIYANKA KRISHNAKANT KUMAWAT
56	NILESHKUMAR SUMAN JHA
57	NIKHIL RAMDAS ALAI
58	PRIYANKA PRAKASH WAGH
59	MILAN ASHOK HARAK
60	FAIZAN FAROOK SHAIKH

### Event Photographs:





**Prof. Tanmoy Goswami**  
Coordinator

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