TWO DAY WORKSHOP ON

"Mobile Application Development Using Android 2.3.3"

Date: 14 – 15 April, 2012.

Workshop Coordinator

Mr. Jaydeep M. Barad,
A. Y. Dadabhai Technical Institute,
Kosamba Mahuvej Road,
Kosamba [R.S.] Pincode: 394 120.
Dist: Surat.

<u>**Activity Report:**</u>

Resource Person:
Mr. Utpal Betai.Mr.Mehul Bhuva & others.
Dev Industrial Learning Academy.
Ahmedabad.

The Workshop was aimed to make aware the students and faculties to take up Mobile Application Development using Android Environment. Almost 80 (Student + Faculties) Participants from various Engineering Colleges of Gujarat.

The Workshop started with the Inaugural Ceremony and introduction to Technical Institute and Computer Engineering Department by Principal Mr. M. M. Dalchaval , I/C HOD Mrs. S. S. Multani and Mr. J. M. Barad to Guest and the Resource Persons. Also Introduced with the activity of Computer Engineering Department currently take on.
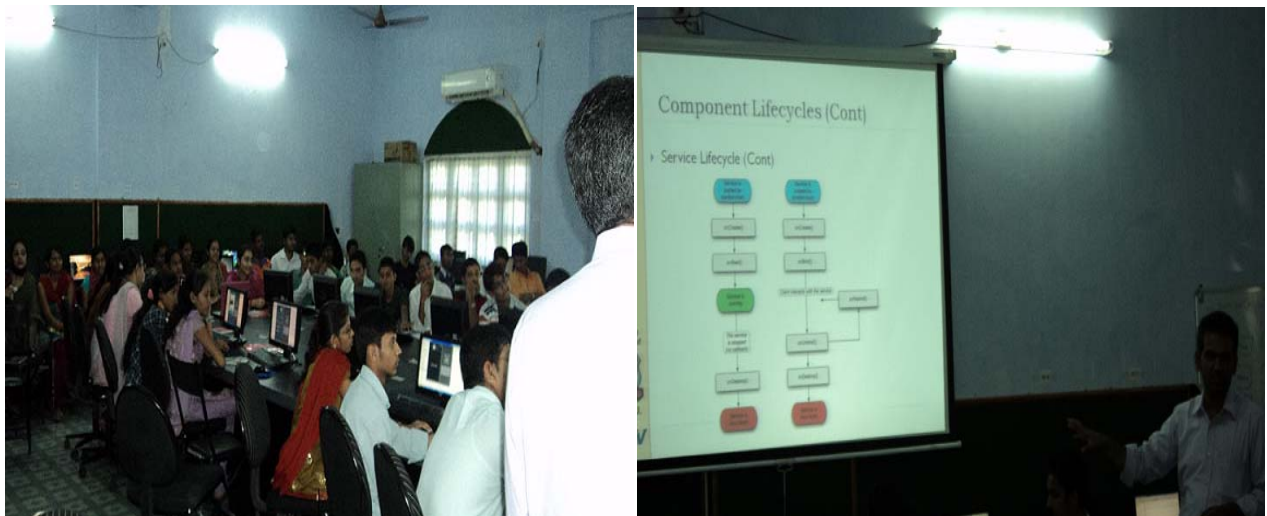
The Content Covered by the Resource Person in Workshop Session by Session,

Day -1:

Session – 1   **[11:00 AM to 1:00 PM]**

As the Students and Faculties are new comers to the Android Environment, resource person started with the environment and how to develop and run the application in android-sdk and Eclipse Editor and also introduced the AVD.

Session – 2   **[1:45 PM to 3:15 PM]**

The Resource Person has introduced to the Android Operating System its components and its importance using PPT. They also introduced the importance of each and every project of android directory structure and its components such as R.java file, Manifest.xml, main.xml, String.xml files which is very helpful to work with environment.

Session – 3   **[3:30 PM to 5:00 PM]**

During this session the Resource Persons taught various applications using different controls such as Label, Text, Checkbox, Option Buttons, List View and Context. They also have taught targeting the Multiple Screen Resolutions of various devices. They covered how to use the Dalvik Debug Monitor System for Debugging.

With sharing this knowledge the first day of workshop released.

On the Next day we meet together to get knowledge from the Resource Person at 8:00 AM.

Day -2:

Session – 1   **[8:00 AM to 10:00 AM]**
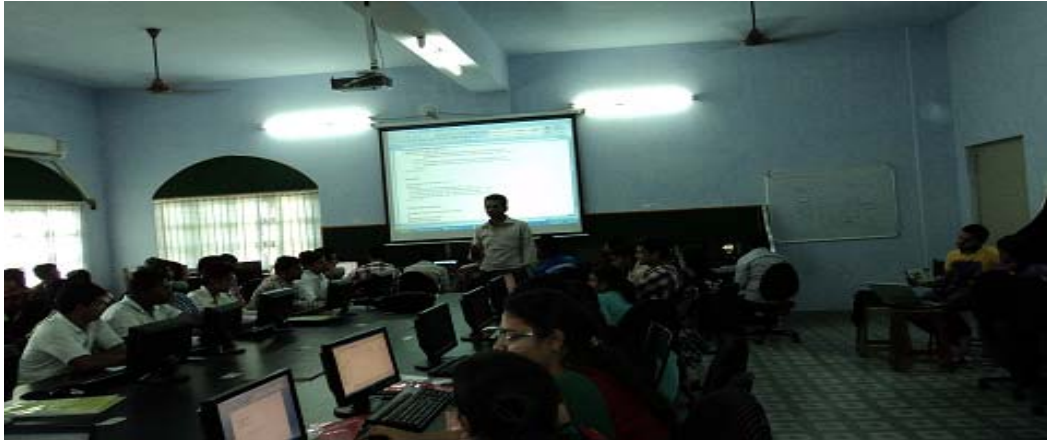
In this session, we learned many new things such as using the programming syntax for the different animations, Services – activity Life Cycle, Broadcast Receiver Contacts Content Providers, Changing the Language with Application Development.

Session – 2   **[10:15 AM to 1:00 PM]**

The Resource Person has also covered the contents as per scheduled storing data using SQLite database running raw quarries. They also covered the data sharing concept to other device. Covering the concept of Messaging from one virtual device to another virtual device and displaying it using list view as real devices perform and how to use Google Map api in the development of map application development are very attractive part of the workshop.

Session – 3   **[1:30 PM to 2:20 PM]**

During this session the Resource Persons have given the simple application to develop to participants and also help us wherever needed. In Last but not the least they collected the views and application ideas for their use and enhancement. There are many ideas shared by the participants such as social community enhancement, Agriculture application and Contact, message and email viewing applications.

Enclosures:

From the students Mr. Yahya Patel [6th Semester, Computer Engg. Dept.] appreciated and heart fully said thanks for effort of institute and Resource Persons.

On behalf of Computer Engineering Dept. Mr. Nikunj Tailor, has shared his views and thanked to Institute for made available the workshop and gives opportunity to learn new things from the resource person.

Most importantly they invite us to get help from their side in order to get solution at any point. On behalf of our institute, I appreciate the effort they made over here since last 2 days in order to update and aware us to the new technology environment.

What did the participants like about the workshop?
1. **Knowledge shared by Faculties.**
2. **Methodology of Teaching.**
3. **Inclusion of Practical Lab Session.**
4. **Course Contents.**

Improvement and Suggestion:

1. **Instead of 2- day workshop, we should have Once a weak Quarterly.**
2. **Allocate more seminars and workshop for some other Technology.**

We would like to thanks GTU for providing us such a nice opportunity.