



Workshop Report

TWO DAYS WORKSHOP ON “ANDRIOD APPLICATION DEVELOPMENT”

Objective:

- To ignite the students to take up mobile application development using Android environment.

Course Instructor:

Mr. Ritesh Ambastha,
CEO of
iWillStudy.com

Summary:

Computer Engineering Department of Smt S.R. Patel Engineering College has organized two days work-

shop on “Android Live Application Development” on 5th and 6th October 2012. The workshop was aimed to ignite the students to take up mobile application development using Android environment. Almost 87 students from various Engineering colleges affiliated to GTU have participated in the workshop.

The workshop started with inaugural function at 10:00 AM. Mr. Ritesh Ambastha, CEO of iWillStudy.com gave an introductory

speech and shared few words on the objectives of the workshop with participants. Dr. A. H. Shah, Principal, SRPEC the Program Convener motivated the students to participate in such kind of events and she also shared her views on importance of technical activities in development of student’s career.

Practice Given By



Day 1: Inauguration, Expert Lecture & Hands-on session

Day 2: Expert Lecture & Hands on practice by students

Day 1

In the morning session Mr. Ritesh Ambastha., started with introduction of open source Android platform. He explained the software architecture layer, android application archi-

ecture, different widget and layouts used in Android application. He also explained different types of intents, activities and services.

During the afternoon hands-on session, the students were familiar-

ized with how to develop an android mobile application using Eclipse IDE. The students tried various demo programs provided by Mr. Ritesh Ambastha and his team and also developed their own android application.

Course Participant

Workshop was fully organized for faculties and all the students of Computer Engineering

College	Semester	Total No. of students
SRPEC	V	42
	VII	34
External		11

GLIMPSES OF ANDROID WORKSHOP



Day 2

Mr. Ritesh explained the Storage, Retrieval, and Sharing of data in android application. He explained map-based Activities using Google Maps as a User Interface element. Student developed small application for the same area in post lunch session. At the end of workshop, material containing software such as the Eclipse IDE, Android SDK, PPT, EBooks, demo programs was given to each student.

Student's Feedbacks:

The workshop was a great success and very well received by the participants which was evident by there feedback. Prime feedbacks are:

- Adequate information was given by instructors
- Organizing of sessions were good

Topics Covered during Workshop:

- Introduction to Android and Java: Installing Android, Creating Hello World, Running on Emulator, Android packages.
- Basic building Blocks of Android Applications: Activities, Activity lifecycle, Services, Service lifecycle, Content Provider, Intent, Intent Filter, Manifest file.
- Android UI & settings: Using resources, Using things, Debugging Android code, Settings, Threads & synchronization
- Android Graphics & Multi-media: basic Graphics, Input Handling, Playing Audio & video.
- Persistence in Android: Accessing internal file-system, Accessing SD Cards, Introduction to SQLite, Data Binding, Content Provider.
- Network-awareness: Accessing the Internet, using Web-services, XML/ JSON Parsing, Location Sensing.
- Application Deployment: Signing, Versioning, Licensing and Publishing Applications.



TRAINING CUM WORKSHOP ON

ANDROID

APPLICATION DEVELOPMENT

(OCTOBER 5th-6th, 2012)

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DEPARTMENT OF COMPUTER ENGINEERING
Smt. S. R. Patel Engineering College,
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