

Android App Development

Android being a robust operating system provides you stability that have strong Linux core which helps your android application to withstand the judgment of internet traffic. Android has covered very importance in mobile industry mostly with our Android applications developers which empowers programmers to develop an ingenious mobile application for your android smart phone.

This workshop is a comprehensive look at the Android architecture that teaches how to build and deploy applications for Android phones and tablets using the Java programming language. Starting with the installation of the required developer tools, including Eclipse and the Android SDK, the course covers how to build the user interface, work with local data, integrate data from the accelerometer and other sensors, and deploy finished applications to the Android Market.

Topics to be covered in Android Workshop

1. Why Android?

- a. Openness
- b. Market
- c. Growth
- d. Opportunities

2. Android Overview

- a. How it all got started
- b. Potential & Future
- c. Why Android is different (and important)

3. SDK Intro

- a. Platforms
- b. Tools
- c. Versions

4. Android Stack

- a. Overview of the stack
- b. Linux kernel
- c. Native libraries



- d. Dalvik
- e. App framework
- f. Apps

5. Hello World App

- a. Creating your first project
- b. The manifest file
- c. Layout resource
- d. Running your app on Emulator

6. Main Building Blocks

- a. Activities
- b. Activity lifecycle
- c. Intents
- d. Services
- e. Content Providers
- f. Broadcast Receivers

7. Hello Views - Intro to different Views

- a. Linear Layout
- b. Relative Layout
- c. Table Layout
- d. Grid Layout

8. Basic Android UI

- a. XML versus Java UI
- b. Dip\'s and Sip\'s
- c. Views and layouts
- d. Common UI components
- e. Handling user events

9. Android System Overview

- a. File System
- b. Preferences
- c. Notifications



d. Security model

10. Advanced UI

a. Selection components

b. Adapters

c. Complex UI components

d. Building UI for performance

e. Menus and Dialogs

f. Graphics & animations

Duration: The duration of this workshop will be two consecutive days, with six hour session each day in a total of twelve hours.

Fees: Rs. 1200/- per head inclusive of all taxes

