

Registered Office:

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e.Soft®
Technologies

Android

What is Android?

Android is a software stack for mobile devices that includes an operating system, middle-ware and keys applications. e.Soft CONNECT provides android training according to the current requirement of IT industry. It contains an operating system based on the Linux kernel, required middle-ware and some essential applications. Android platform was initially developed by Android Inc. The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using the Java programming language. Android can Run Multiple Apps at the Same Time. Android has is a customizable home screen which keeps active widgets right at your fingertips, always accessible and always visible - without having to launch an application first.

Android Has a Better App Market: It's true that Apple's App Store has over 180,000 applications, while the Android Marketplace has only just broken the 50,000 mark but Android's rapid growth and adoption give it the potential to catch up to the iPhone App Store. Android also has another advantage: a completely open market. **Android Gives You Better Notifications.**

Prerequisites For Android:

Before going through Android live project training candidate should have knowledge of given concepts listed below:

- Knowledge of java
- Basic of Eclipse
- Knowledge of object oriented languages(C#, C++ etc)

How we Provide?

Android Training provided by Real-Time Android Application Developer of our company, has more than 4 years of domain experience.

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- We will provide real time project training with code explanation and implementation.
- Our training modules are completely designed according to current IT market.
- After completion of 75% of course, student will go through Major Project Training, Live Project Training, Interview Preparation and Recruitment process in IT Industry.
- Student will go through the training of Java and Eclipse as a complimentary package before starting of Android Application Development Training.
- We offer regular, fast track and weekend training in Android Training course.
- Study material is provided with the course which consist of concepts, examples and real time examples.

Download Required Software :

[Android SDK](#)

Eclipse (3.5 recommended)

Android Development Tools (for Eclipse)

Benefits of Courses:

- Android Application Developer
- Android Developer

Introduction

- Intro to open source. What is open source?
- License Issues (MPL, GPL, LGPL, etc.)
- Contrasting and comparing open source vs. traditional development
- Methodologies

Mobile Application Development Overview

- Mobile Devices Profiles
- Mobile Software
- Options for development

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Targeting Android the Big Picture

- Android architecture
- Android application model
- Introducing Android
- Stacking up Android
- Booting Android Development
- An Android application

Development Environment

- The Android SDK
- Building an Android application in Eclipse
- The Android Emulator
- Debugging

User interfaces

- Activity Life-cycle
- Creating the Activity
- An Overview of User interfaces
- Using XML Layouts ~~skin~~

Widgets

- Date and Time Tabs
- Using Menus
- Using Fonts
- The Web-view and the Web-Kit Browser
- Dialog Boxes: Alert Dialog & Toast
- Using resources

Intents and services

- Working with Intent classes
- Listening in with broadcast receivers
- Building a Service
- Performing Inter-process
- Communication

Storing and retrieving data

- Using preferences ~~Using~~
- file system Persisting data
- to a database
- Working with Content Provider classes

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Networking and Web services

- An overview of networking
- Checking the network status
- Communication with server socket
- Working with HTTP
- Web Services

Telephony

- Telephony background and terms
- Accessing telephony information
- Interaction with the phone
- Working with messaging SMS

Graphics and Animation

- Drawing graphics in Android
- Animations

Multimedia

- Introduction to multimedia
- Playing audio
- Playing video and Capturing media

Location Services

- Simulating your location within the emulator
- Using Location Manager and Location Provider
- Working with maps
- Converting places and addresses with Geo Coder

Introduction to Architecture overview of Android internals

- Android system architecture
- Libraries
- Android Runtime
- Application frameworks
- Applications