

Course Content

(ANDROID APPLICATION DEVELOPMENT)

Android Overview



- What is Android? Why Android?
- Introduction to Android Development
- Android Developer Tools
- Setting up your Development Environment
- Hello World - Your First Android Application
- Android Emulator
- Understanding the Directory structure of an Android Application

Android Building Blocks

- Understand Basic Android Building Blocks
- Android Manifest File
- Overview of Activities in Android

Deep Dive into Activities

- Activity Lifecycle
- Introduction to Intents
- Built in Intents
- Explicit Intents
- Multiple Activities
- Passing Data to Activities

User Interface Basics

- Android support for building User Interfaces
- Basic Event Handling
- Basic Views in Android
- Android Layouts
- Writing Your Own Layouts

More on User Interfaces

- Built in support for lists and List Activity
- Options Menu
- Context Menu

Notifying the User

- Introduction to Different Mechanisms: Toast, Dialog and Notifications
- Working with Dialogs in Android

Storing Data

- Saving User Preferences
- Working with Files
- Introduction to SQLite Database support

Reaching Out

- Sending SMS using Android
- Sending Email using Android

Building a complete Android application

- This session will focus on building a fully functional Android application that uses what we have learnt so far
- Android Marketplace Basics
- Getting Your application ready for publishing in Android Marketplace

More Examples

- Various small projects demonstrating other features of Android will be demonstrated so that you are ready for taking the next steps in your Android programming career.

