



I. Core Android

Module 1: Getting Started with Android

- What is Android
- Android Tools
- Your First Android Application
- Anatomy of Android Application

Module 2: Using Eclipse for Android Development

- Workspaces
- Editors in Eclipse
- Eclipse Perspective
- Refactoring
- Debugging your Application

Module 3: Using the Android Emulator

- Creating Android Emulator
- Creating Snapshot
- SD Card Emulation
- Sending SMS Messages to the Emulator
- Transferring Files into and out of the Emulator
- Resetting the Emulator



Module 4: Android Components

- Activity
- Linking Activity using Intent
- Fragments
- Calling Build-In Application using Intent
- Notifications

Module 5: Android User Interface

- Components of a Screen
- Display Orientation
- Action Bar
- Listening for User Interaction

Module 6: Designing Your Interface with Views

- Basic Views
- Picker Views
- List View
- Specialized Fragments

Module 7: Displaying Pictures and Menus with Views

- Gallery and ImageView
- ImageSwitcher
- GridView
- Options Menu
- Context Menu



- Clock Views
- Web View

Module 8: Data Persistence

- User Preferences
- Persisting Data to Files
- Using SQLite Databases

Module 9: Messaging

- SMS Messaging
- Sending E-mail

Module 10: Location-Based Services

- Displaying Maps
- Getting Location Data
- Monitoring a Location
- **Project** – Building a Location Tracker

Module 11: Android Services

- Create your Own Service
- Communication between Services and Activity
- Binding Activities to Services
- Threading



Module 12: Exception Handling in Android

- Handling Errors
- Handling Exceptions
- Using Try, Catch and Finally

Module 13: Publishing Android Application

- Prepare for Publishing
- Deploy APK Files
- Publishing on the Android Market

Module 14: Real-time Project - I

Duration: 45hrs

Offer: Free Android Tab