

TECHNOLOGY LEARNING CENTER

..Finishing School for Engineer's

ANDROID COURSE

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



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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 Image View Image Switcher
- Grid View
- 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



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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

