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

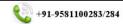
Activity

- ➤ 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





TECHNOLOGY LEARNING CENTER

.. Finishing School for Engineer's

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





TECHNOLOGY LEARNING CENTER

.. Finishing School for Engineer's

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



