

## Software for Hands-on Learning:

- ANDROID STUDIO
- Eclipse IDE
- Android SDK
- Eclipse Plugin
- JDK

## Module 1-ANDROID INTRODUCTION AND SW SETUP

- What is Android
- History and Version
- Software Stack
- Core Building Blocks
- Android Emulator
- Installing softwares
- Setup Eclipse
- Hello Android example
- Internal Details
- AndroidManifest.xml
- R.java

## Module 2-ANDROID UI LAYOUT

- Relative Layout
- Linear Layout
- Table Layout
- Absolute Layout
- Relative Layout
- Frame Layout
- ListView
- GridView

## Module 3-ANDROID ACTIVITY AND INTENTS

- Activity Life Cycle
- Implicit Intent
- Explicit Intent
- startActivityForResult
- Share App Data

## Module 4-ANDROID WIDGETS

- Working with Button
- Toast
- Custom Toast
- ToggleButton
- CheckBox
- Custom CheckBox
- RadioButton
- Dynamic RadioButton
- Custom RadioButton
- Alert
- DialogSpinner
- AutoComplete
- TextView
- ListView
- Custom ListView
- RatingBar
- WebView
- SeekBar
- DatePicker
- TimePicker
- Analog and Digital
- ProgressBar
- Vertical ScrollView
- Horizontal ScrollView
- ImageSwitcher
- ImageSlider
- ViewStub
- SearchView
- SearchView on Toolbar
- EditText with TextWatcher

## Module 5-ANDROID FRAGMENTS

- Android Fragments
- Android Shared Fragments
- Android Application Global Data
- Module 6-ANDROID MENUS
- Option Menu
- Context Menu
- Popup Menu

## Module 7-ANDROID SERVICES

- Android services
- Android Drag and Drop
- Android Notification
- Android Broadcast
- Android Popup
- Android Sending Email
- Android Sending SMS
- Android Phone Call
- Android Camera
- Android Bluetooth
- Android WiFi
- Android Location Tracking
- Android Graphics
- Android Google Map

## Module 8-ANDROID SQLite

- Creating Java Beans Class
- Insert,Update , Delete, Search
- Sqlite Spinner

## Module 9-ANDROID PROJECT

- Developing Android Project