



## ANDROID APPLICATION DEVELOPMENT

### 1. Core JAVA Concepts

- Introduction JAVA Development Environment
- OOPs Concepts
- Inheritance in Details
- Exception Handling
- Packages and Interfaces
- Multithreading Concepts

### 2. Structured Query Language (SQL)

### 3. Introduction to Android

- What is Android?
- History and Version
- Software Stack
- Core Building Blocks
- Android Emulators
- Installing Software's
- Setup Eclipse
- Hello Android Example
- Internal Details
- Dalvik VM
- AndroidManifest.xml
- R.java
- Hide Title Bar

### 4. Activity and Intents

- Activity LifeCycle
- Implicit Intent
- Explicit Intent
- StartActivityForResult

### 5. Android UI Widgets

- UI Widgets

- Working with Button
- Toast
- Custom Toast
- ToggleButton
- CheckBox
- AlertDialog
- Spinner
- AutoCompleteTextView
- RatingBar
- DatePicker
- TimePicker
- ProgressBar

### 6. Menus in Android

- Option Menu
- Context Menu
- Popup Menu

### 7. Service in Android

### 8. Data Storage

- Internal Storage
- External Storage

### 9. SQLite Database

- SQLite and Example
- SQLite Example with GUI by Spinner

### 10. XML and JSON Parsing

- XML Parsing SAX
- XML Parsing DOM
- XMLPullParser
- JSON Parsing



## 11. Android Multimedia

- Playing Audio in android Example
- Playing Video in android Example

## 12. Android Speech API

- Android TextToSpeech Tutorial
- TextToSpeech Example with Speed option

## 13. Telephony API

- TelephonyManager
- Get Call State
- Call State BroadcastReceiver
- How to make a Phone Call
- How to Send SMS
- How to Send Email

## 14. Device Connectivity

- Bluetooth Tutorial
- List Paired Devices

## 15. Android Sensor

- Android Sensor

## 16. Web Service

- Web Service in Android

## 17. Android Animation

- Android Animation

**\*\*\* LIVE PROJECT TRAINING**