



Course Content of Android Apps Development

Session 1:

1. INTRODUCTION TO ANDROID

- Overview of Android and Android SDK
- History of Android
- Android Features

2. ANDROID ARCHITECTURE OVERVIEW

- Introduction to OS Layers
- Linux Kernel
- Libraries
- Android Runtime
- Application Framework

3. SETUP OF ANDROID DEVELOPMENT ENVIRONMENT

- System Requirements
- Eclipse and SDK installation,
- AVD creation
- Creating first Android Application
- Project Structure

Session 2:

4. ANDROID APPLICATION FUNDAMENTALS

- Android Application Building Blocks



- Activating Components
- Shutting Down components
- Lifecycle of Application
- Development tools, Manifest File
- Lifecycle of Activity

5. USER INTERFACE

- View Hierarchy and Layouts
- UI Events
- Building Menus
- Creating Dialogs
- Scroll View

6. MAIN BUILDING BLOCK

- Activity
- Intents
- Pending Intent
- Broadcast Receivers
- Services

7. ANDROID MEDIA API

- Music Player
- Video Recording
- Audio Recording
- Taking a Picture

Session 4:

8. Call



- Calling Application

9. Short Messaging Service (SMS)

- Creating SMS sending Application

10. Working on Splash Screen

- Creating app with Splash Screen

11. Uploading Your App on Playstore

- Generating signed .apk file
- Steps to upload on Playstore