

ANDROID APP DEVELOPMENT

OBJECTIVE: Getting familiar to Android App Development & learn to create flavours of APP.

SESSION I:

1. Introduction to the Android

- Android Architecture
- Comparison with other OS
- Understanding the environment
- Understanding Eclipse IDE
- API Levels

2. Understanding the Building Environment for Android

- Introduction: Java and XML
- Front-End and Back-End environment
- Designing Front-end through XML
- Designing Backend through JAVA

3. Understanding Layouts

- Layouts and Widgets
- Working with layouts: Linear, Relative, etc.
- Working with Widgets: Text-View, Edit-Text, Buttons, Image-Views, and Scroll View etc.
- Using other properties

SESSION II:

4. Getting familiar with Activity

- Activity and its Life-Cycle
- Finding .APK file
- What is Manifest File
- Setting up the Android Virtual Devices
- Testing "Hello World" Application

5. Introduction to Intents

- Intents and its type
- Starting another Activity using both types of Intents
- Sending Data from one Activity to another
- Building Camera application, fetching image using Intent

- 6. Understanding various Notifications** Understanding
Toast
Dialog and its types
Create Custom dialogs

SESSION III:

- 7. Developing Applications**
Concept Splash Screen
Playing Music
SMS related concepts
Camera and others
Concept of Email
Text-To-Speech

SESSION IV:

Query Session & DEMO SESSION on future Technology

PROJECTS COVERED:

- Splash Screen Application
- Music Player Application
- SMS Application
- Camera Application
- Email Application
- Text-To-Speech Application
- Toast
- Dialog
- Custom dialog

KIT CONTENT:

Android App Development Tool Software