

Android Developer Training

Introduction to Java for Android

- Basic Java Programming
- Class and Object
- Inheritance and Polymorphism
- Java Wrapper Classes
- Exception Handling
- Basic Java Collection Classes

Introduction to Android

- Overview of Android and Android SDK
- Android – Platforms, Tools and Versions
- Android features

Setup of Android Development environment

- System requirements
- Eclipse and SDK installation, AVD creation
- Creating first Android application
- Project Structure

Android Application Fundamentals

- Life Cycle of Application
- Development tools, Manifest File
- Life Cycle of Activity

User Interface

- View Hierarchy and Layouts
- Android Forms
- Android Pickers
- UI Events
- Building Menus
- Notifying users
- Creating dialogs
- Graphics & Animations

Main Building Blocks

- Activity
- Services
- Content Providers
- Broadcast Receivers

Resources

- Overview of Android Resources
- Creating Resources
- Using Resources
- Drawable Resources
- Animation Resources

Data Storage

- Shared Preferences
- Internal Storage (Files)
- External Storage(SD Card)
- SQLite Databases

Advanced Android Development

- Fragments & Action Bar
- XML Parsing
- JSON Parsing using Async Task
- Connect Mysql using Web Services

Android Media API

- Playing audio/video
- Media recording
- Blue tooth
- WiFi
- Camera
- TelephonyManager
- Google Maps
- Deploying Android Application on Device

Live Project