

Basic Android Mobile Applications Development

Course Description

This 4-day Basic Android Mobile Application Development Course will teach you the most essential steps you need to know how to build real-world and exciting mobile applications today using the Android SDK. It covers the fundamentals of building apps for embedded devices, smartphones and tablets. This course will also teach how to create & customize rich user interfaces, manage, and process data. This will also guide you how to deploy Android Apps in physical devices.

Audience

The training is designed to cater to everyone interested in learning Android Mobile App Development.

Pre-Requisite:

Knowledge in any programming language, preferably Java Programming.

Course Objective:

Upon completion of this course, you will be able to:

1. Demonstrate the skills in undergoing Android Development Process:

Setup

Development

Deployment on Devices

2. Demonstrate their ability to apply basic techniques of using Android APIs (Application Programming Interface) such as Activity, Intents, ViewGroups, Views, Drag and Drop, and SQLite to develop app for mobile devices.



Course Outline

I. Android Software Development Kit (SDK) and Development Environment (4 Hours)

- Definition and History of Android
- Version and Features of Android
- Android Devices in the Market
- Android Architecture
- Android Development Environment Setup
- Setting-UP Java Development Toolkit
- Android Development Environment Tools
- Android Studio IDE Structure
- Test and Run Android Project
- Basic Concept of JAVA OOP
- Defining Class, Objects and Methods

II. Fundamental Structure of Android (8 Hours)

- Android Project Anatomy
- Activity Life Cycle
- Raw and Drawable Files
- Working with the Intents and Bundles
- Types of Intents
- Icons
- Animation (Splash Screen)
- Android Manifest File
- Applying Sound Effects
- Animation

III. Android UI Components and Layouts (12 Hours)

- Views and ViewGroups
- Units of Measurements
- TextView
- EditText
- Event Handlers and Listeners
- LinearLayout
- RelativeLayout
- Design Layout
- Radio Buttons
- Checkbox
- ImageView
- Spinner
- Seekbar
- Toggle Buttons
- Switch
- Progressbar
- AlertDialog
- Applying Custom Styles to Widgets
- ListView and Simple Adapter

Training Fee: P15,000 (VAT-inclusive)

Training Duration: 4 Days (32 Training Hours)

*This Course Outline is subject to change without prior notice.

*Upon completion, participant will receive a Certificate of Completion from Fasttrack IT Academy