BOOST
THE LEADING TRAINING PROVIDER

Information Technology

Developing Android Mobile Apps for Business

Course Introduction

This training course is designed to provide participants with the essential concepts and techniques on developing Android mobile applications. Android has been one of the most widely used mobile operating systems with the largest market share of smartphone and tablet operating systems. It also powers devices such as TV streaming boxes, digital cameras, vehicle dashboards, and much more. This course will allow participants to develop and publish an Android app, focusing on developing business apps for tablets and smartphones compatible with a wide variety of Android versions and device layouts.

Target Audience

1. Android Developer
2. Mobile App Developer
3. Software Engineer
4. UI/UX Designer
5. Full-Stack Developer
6. IT Manager
7. Product Manager
8. Business Analyst
9. Digital Transformation Manager
10. Entrepreneur / Startup Founder
11. Technical Project Manager
12. Backend Developer
13. Mobile App Tester
14. Cloud Engineer
15. Solutions Architect

Learning Objectives

- Gain a comprehensive understanding of how to set up an Android development environment and start developing an Android app that works well within the Android app framework and meets user expectations.
- Create mobile application with multiple user interface screens and features to move among them.
- Use resources to support internationalization and quick update of contents and styles.
- Add graphics and animation capabilities to your app.
- Integrate your app into the Android ecosystem.
- Prepare an app for release, ensuring its security and digitally signing it.

Course Outline

- **Day 01**

  GETTING STARTED WITH ANDROID STUDIO

  - The Android Operating System
  - Create an Android App Project
  - Configure the Android Development Environment
  - Create an Android Emulator

  WORKING IN THE ANDROID APP FRAMEWORK

  - Work in the Android Project Structure
  - Use Android Documentation
  - Work with the App Lifecycle
  - Design to Requirements and Expectations

• **Day 02**

CREATING AN APP WITH MULTIPLE ACTIVITIES

- Create a Tabbed User Interface
- Provide Navigation to Other Activities

USING RESOURCES

- Load App Data from Resources
- Support Alternate Languages Through Resources
- Apply Themes and Styles

• **Day 03**

WORKING WITH MULTIMEDIA

- Load Images
- Draw Graphics Through Code
- Add Animation Effects

WORKING WITH DATA AND STORAGE

- Write File Data
- Read File Data

DEBUGGING AND ANALYZING ANDROID APPS

    ◦ Debug an Android App

    ◦ Use Additional Android Debugging and Analysis Tools

- **Day 04**

  WORKING WITH WEB DATA

    ◦ Populate a View with Web Data

    ◦ Load Web Content in a WebView

  WORKING WITH USER PREFERENCES

    ◦ Implement a User Interface for Preferences

    ◦ Read User Preferences

- **Day 05**

  INTEGRATING WITH THE APP ECOSYSTEM

    ◦ Provide an Alternate Layout

    ◦ Access Sensors and Location Services

    ◦ Capture Multimedia

    ◦ Develop a Widget

  FINALIZING YOUR APP

    ◦ Manage App Security

    ◦ Prepare an App for Release

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 26, 2025	May 30, 2025	5 days	4250.00 $	UAE - Dubai
Aug. 4, 2025	Aug. 8, 2025	5 days	4950.00 $	Malaysia - kuala lumpur
Dec. 8, 2025	Dec. 12, 2025	5 days	4250.00 $	UAE - Abu Dhabi