

Android Programming (Android Studio)

Training Duration: 5 Days

This Android Programming (Android Studio) training aims to discuss creating Android-based smartphone device applications. Participants will learn the basics of Java-based programming using Android Studio, and will study the application life cycle.

An agency's need to make work easier certainly requires tools to support it. Applications are a tool to make work easier. In the current era, it is very popular to develop mobile-based applications, where this type of application can be used by anyone anywhere without being limited by time and space.

Training Participants

- Application Developer
- Information Technology infrastructure team

Benefits of Training

- Can understand the material from the training outline
- Understand source code for android applications and their handling
- Can use Android Studio and Android Emulator
- Can create applications with practice

Outline Training

1. Chapter 1 : Introduction
2. Chapter 2: Setting up Android Studio IDE
 1. Why Android Studio?
 2. Project Workflow
 3. Java Development Kit (JDK)
 4. Downloading the Android Studio Package
 5. Installing Android Studio
 6. Android Software Development Kit (SDK)

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3. Chapter 3 Application Components

1. Application Basic
2. Activities
3. Intent
4. Services
5. Broadcast Receiver
6. Alerts

4. Chapter 4 User Interface Layout

1. Resource Directories and General Attributes
2. Views and View Groups
3. User Interface Events
4. Widgets
5. Menus

5. Chapter 5 Multimedia

1. Audio
2. Videos
3. Graphics

6. Chapter 6 Networking

7. Chapter 7 Data Storage Methods

1. SQLite Database

8. Chapter 8 Debugging and Realizing Apk

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