Full Mobile Development Training for Beginners

Learn how to create a multi-platform mobile application from the scratch using Flutter, Dart, Java, and Swift, at the end of the program, we will build a shopping app, real-time chat app, and other useful application together,

Requirement

- Be Able to Use PC at A Beginner Level, Including Being Able to Install Programs
- Prior Knowledge of the English language and good listening
- A Desire to learn Mobile Development

Prerequisite

This program requires no prerequisite courses. It's designed for beginners learning from scratch. Our goal is to help you go from 0 to 100 and learn enough to learn more.

How do you teach?

We teach in real-time online 1-on-1 using Google Meet, Skype, or Zoom. You can ask any questions any time, and you will get them answered. Our tutors are ready to mentor you.

Do I get a certificate?

Yes. We will provide you a Course Certificate on the condition that you complete and submit all projects and assignments by the end of the course. The certificate is not academic; it is a professional training certificate.

Do I need equipment?

Yes. You need your computer. Windows, Mac, and Linux operating systems are all supported by the curriculum. You also need to have a stable internet connection.

Do you accept beginners?

Yes. The program is from zero to hero, so all knowledge will be covered. No much experience required to join this course.

What is Flutter?

Flutter is an open-source framework to create high quality, high-performance mobile applications across mobile operating systems - Android and iOS. It provides a simple, powerful, efficient, and easy to understand SDK to write a mobile application in Google's language, *Dart*.

What can Flutter do?

- Flutter can be used to create Android Applications
- Flutter can be used to create IOS Applications
- Flutter can be used to create Web Applications.

Why Flutter?

- The application creates using flutter works on different platforms (Android, IOS, Web application, etc).
- Flutter has a simple syntax similar to the English language.
- Flutter has a syntax that allows developers to write programs with fewer lines than some other programming languages.
- Flutter runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
- Flutter can be treated procedurally, an object-orientated way, or a functional way.

What you'll learn?

1. Install Flutter Environments
2. Be Able to Build Any iOS and Android App You Want
3. Understanding how OS works
4. Benefit and power of Mobile application
5. Master Dart and Flutter Framework
6. Build a Shopping Apps for Your Startup or Business
7. Create a Real-Time Chat App
8. Understand Mobile Development Design
9. Turn Business Plan to Mobile Application
10. Work as a Cross-Platform Mobile Developer Who Can Develop iOS and Android Apps
11. Gain a Competitive Advantage in the Workplace as a Flutter Mobile Developer and more.

Course Content

1. Course Introduction

- Course Overview
- Why develop Android and iOS apps using Flutter?

- Flutter Installation.
- First Flutter Application using Dart (Calculator)
- Organize your Dart code in the Flutter App
- Flutter Add logic to your app

2. Introduction to Dart Programming Language

- Control Flow and Functions
- Object-Oriented Programming
- Object-Oriented Programming – Intermediate
- Object-Oriented Programming – Advanced
- Data Structures and Collections

3. Widgets in Flutter

- Exploring Widgets in flutter using Dart
- Flutter Container widget with Margin and Padding & Box Constraints
- Custom Fonts in Text widget. Text Style in Flutter
- Flutter Row, Column and Expanded widget
- Flutter Image Asset (Bitmaps) Widget Example
- Raised Button and Alert Dialog Widget (popup dialog)
- How to create List in Flutter? Flutter List View
- Flutter LONG LIST. Memory Efficient dynamic ListView
- Flutter Floating Action Button (FAB) and Snack Bar

4. Building interactive Flutter Application

- Building Interactive Flutter Application
- Flutter Stateful vs. Stateless Widget using Dart
- Building first Stateful widget App in Flutter
- Dropdown Menu Item List for beginners: Flutter with Dart
- Flutter Design UI for Simple Interest Calculator App
- Flutter Styles and Themes using Dart
- Flutter Event Handling: Add logical code
- Flutter Form Validation Tutorial using TextFormField

5. Building Shopping Application

- Intermediate concept
- Flutter Design UI for Shopping App
- Flutter APIs call and consumption
- Flutter Routes Management
- Complex UI Control
- Animations and Images

6. CHALLENGE - Material Design Challenge

- Use what you've learned to design a better app.

7. **Creating Adaptive Flutter Apps**

   - Create a Real-Time Chat App

8. **[CHALLENGE]** - Build at least 5 Apps!