

Course Module

Flutter Mobile App Development (Online + Offline)

Class #1:

● **Getting Started**

- Learn about the future of app development, career scope in app development, the future of flutter and more.

● **About Cross-Platform Application**

- Learn about the cross-platform terminology and how it is changing our development strategy. Also, learn more about how cross-platform development is beneficial for companies and how it can be a burden.

Class #2:

● **Why Flutter and Dart**

- Learn more about why you should choose flutter and why flutter uses dart for building cross-platform applications. Also why flutter is best than other cross-platform applications.

● **Environment Setup(Installing compilers, Android studio and Flutter SDK).**

- Learn how to install all the necessary software and command-line tools to your computer in order to start developing mobile apps using flutter.

Class #3:

● **Introduction to programming**

- Learn everything about computer programming that will help you to understand how the programming works at the hardware level in a computer.

● **Dart Programming Basics**

- Learn about the basics of dart programming language - Variables, data structure, Functions, Array and list.

Class #4:

● **Advance Dart Programming**

- Learn the intermediate level dart programming - Operators, Loops, Conditions, Map, Lists etc.

Class #5:

● **Introduction to Flutter**

- Learn the basics of flutter including creating a new Flutter app and running it on an emulator.

● **Flutter Widgets**

- Learn different types of flutter widgets including their designs and customization according to the User interface.

Class #6:

● **Flutter Architecture**

- Learn about Flutter architecture and how to create a project with clean code and a directory system with MVC model architecture.

● **Introduction to App Development**

- Learn about the advantages, scope and future of app development with flutter and start developing real-world apps using flutter.

Class #7:

● **Build a simple Portfolio app**

- Create your first flutter app that will show information about you and the app can be installed on your own mobile device.

Class #8:

● **Introduction to shared preference**

- Learn about shared preference and how to store a small amount of data locally that will not lose even if your device restart.

● **Build a simple counter app**

- Learn how you can save the count of the counter app to the local database and never lose the data from the app until uninstalling it.

Class #9:

● **Introduction to SQLite Database**

- Learn about SQLite database and how it is useful in mobile app development. Learn CRUD operation on the SQLite database.

Class #10:

● **Introduction to Firebase**

- Learn about Firebase and how firebase is used in app development. Also, learn how to sign up and create a new project on firebase.

● **Firestore integration**

- Learn about integrating your firebase project into your flutter app for both Android and IOS.

Class #11:

● **Firestore Authentication**

- Learn how you can add different types of authentication services offered by Firestore into your app and validate any user for your app using the authentication service.

Class #12:

● **Firestore Database**

- Learn about firestore and real-time database and how to integrate the database into the flutter app.

Class #13:

● **Build a simple student management app**

- Learn how you can build a student management app and add student data to the Firestore database and use the Firestore authentication service to authenticate the users.

Class #14:

● **Introduction to API**

- Learn about API and how you can use API to create different types of Dynamic apps.

Class #15:

● **Design a complete App UI from UI design**

- Learn how to develop a custom user interface using different types of flutter widgets and build a complete app user interface using flutter.

Class #17:

● **Integrate API to the app UI**

- Learn how you can integrate API into your application and make it dynamic with real-time changes.

Class #19:

● **Integration of Google pay and Apple pay payment methods**

- Learn about the apple pay and Google pay payment methods and how you can add those payment methods to your application.

Class #20:

● **Monetize app using Google AdMob**

- Learn how you can earn money by monetizing your app with AdMob ads and how you can integrate AdMob ads into your application.

Class #21:

● **Publishing app in Google play store**

- Learn how you can publish an app to the google play store and how you can create a developer account for the google play store.

Class #22:

● **Get your app source approved on the Envato marketplace**

- Learn how you can sell your developed app source code to the Envato marketplace and how you can get your source code approved on the Envato marketplace.

Class #23:

● **Freelancing Master class**

- Learn about online marketplace like Fiverr and Upwork and how you can work as an independent app developer in those marketplaces. This master class will help you to build your freelance app development career.

Class #24:

● **Apps Marketing**

- Learn how to do mobile app marketing and build a big audience for your mobile app in this class.