

Flutter Syllabus

Course Duration-3 Months

1. Flutter and Dart Fundamentals

- a. Flutter Architecture
- b. Flutter Setup
- c. Dart Setup
- d. Flutter First App
- e. Run App On Device/Emulator/Simulator
- f. Debug App On Device/Emulator/Simulator
- g. Run App On Real Device
- h. Debug App On Real Device

2. Dart Content

- a. Dart Datatypes
- b. Dart Operators
- c. Decision Making With Dart
- d. If Statements
- e. Switch Cases
- f. Loops In Dart
- g. Functional Programming
- h. Asynchronous Programming
- i. Classes And Object
- j. Setters And Getters
- k. Inheritance
- l. Override And Overload
- m. Abstract And Interface

3. Flutter Widgets

- a. Stateful And Stateless Widgets
- b. Basic Widgets
- c. Material Widgets
- d. Cupertino Widgets

4. Layouts And Lifecycles

- a. Layouts In Flutter
- b. Row Column
- c. Stack
- d. Position
- e. Container
- f. Expanded
- g. Sized Box
- h. Slivers
- i. Scaffold Widgets

- j. InkWell Widget And EventListener
- k. Working With Bottom Navigator
- l. Floating Action Button
- m. Flutter Navigators And Routes

5. Animations And Media Files

- a. Animations
- b. Working With Audio/Video Files

6. Advance Concepts

- a. Internal Storage
- b. External Storage On Device
- c. Restful WebServices
- d. SQFLITE Database
- e. Firebase Integration
- f. Firebase Auth
- g. Firebase Database
- h. Firebase Storage
- i. Firebase Ads Service
- j. Push Notifications

7. Asynchronous Flutter

- a. API Calling
- b. Working on Future and Stream
- c. Handling Progress
- d. Async and Await

8. Hardware Call

- a. Camera Access
- b. GPS Access
- c. Sensor Access

9. Publishing App on Play Store

10. Working on Projects