

Mobile App Development

Introduction

You to build iOS, Web and Android applications and benefit from code reuse cross-platform by using your basic web development knowledge. Flutter & React is an exciting new language backed by Google that allows you to create a native mobile experience on Android, Web and iOS devices through a common easy coding experience. Apps can be developed fast using popular free text editors and testing is fast for iOS, Web and Android - rapid mobile development. This certificate teaches developers at any level to get started with Flutter & React and start coding. You will build cross-platform applications for Android, Web and iOS in Flutter & React. This is a hands-on training certificate. Every Module includes a hands-on project. You will need to successfully finish the project(s) to complete the Specialization.

Scope of Mobile App Flutter & React

Because Flutter & React is a framework that enables the development of cross-platform applications, it saves organizations time and money and is in great demand by businesses.

REQUIREMENTS:

- Intermediate/O/A-level
- Basic Programming Skills
- Basic Computer Skills

CURRICULUM:

Week	Lecture	Topics
1	1	Flutter & React Introduction Flutter & React Setup for Android & iOS
2	2	Flutter & React Basics, Flutter & React Widgets
3	3	Flutter & React Child Layout Widgets
4	4	Flutter & React List View, Grid View and Scaffold Widgets
5	5	Basic Dart Language
6	6	MID TERM PROJECT
7	7	Navigation and Routing
8	8	Flutter & React Animation Widgets
9	9	Flutter & React Database, Working with Firebase as Backend
10	10	Flutter & React Advanced Concepts, Splash screen, Google Maps, Silvers
11	11	Flutter & React Themes, Packages and Rest API

Week	Lecture	Topics
12	12	FINAL TERM PROJECT

Outcomes:

- Build native mobile apps with Dart and Flutter & React
- Develop cross-platform (iOS and Android) mobile apps without knowing Swift, Objective or Java/ Android
- Dive deeper into Flutter & React
- Understand the Firebase options as a backend
- Create amazingly smooth and performant animations
- Update your users with cross-platform Push Notifications

BENEFITS:

- Familiarity with Dart Basics
- Create cross-platform iOS and Android apps with the Flutter & React framework
- Set up a device emulator on your laptop and deploy apps to it
- Use Flutter & React to create and run iOS and Android apps
- Explain the architecture and lifecycle of a device app
- Build layouts to develop the most useful Flutter & React design
- Write app code that works differently on the different platforms
- Style your app efficiently using best practices
- Use stack navigators, drawer navigators and tab navigators to change app scenes

Affiliation & Collaborations

