FLUTTER & DART
Bootcamp

Overview

Flutter is a Google's UI toolkit for building beautiful applications for **Android & iOS, Web and Desktop with a Single-Codebase**. There is an increase in demand in Jobs and Internships for Flutter Developers by many Startups.

By the end of this course you can make Android and iOS apps with the help of Android Studio and XCode, and can apply for Internships or Jobs as a Flutter Developer. This course also includes basics to build a Flutter App across platform i.e. 1 app code for Android, iOS, Web, Windows, MacOS, Linux.
To know more about Flutter check there official site https://flutter.dev
Program : https://navoki.com/courses/flutter-app-development-bootcamp-online

After program completion

Able to make Android & iOS apps with Single Codebase

Sync remote data within the app using RestAPI and Firebase
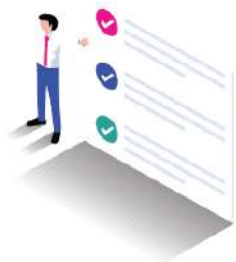
Add 3rd party integration and Make Custom Plugin

Access and use Hardware capabilities to provide user enrich feature apps

Our Programs Include

Technical Mentor Support

Mentors guide your learning and are focused on answering your questions, motivating you and keeping you on track. Mentorship will be available in our Discord Channel and will be available till the course completion.
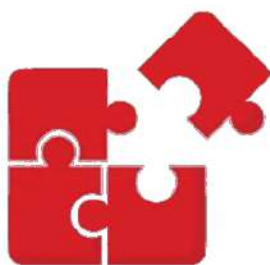
Certificate of Completion

LIMITED OFFER

*7 days Refund, if you are not satisfied with our course

Bonus Lessons

- Make Flutter App for Website, Windows, macOS and Linux
- Put Ads on Mobile Apps
- Firebase Storage
- 3rd party Flutter/Dart Tools to make your development efficient.

Add-On

- 1 Month more Mentorship
- 2 months more access to lecture videos

Offers valid till 1 Jan 2021

Classroom Experience

REAL WORLD PROJECTS

Build your skills through industry-relevant projects and experience. You will get personalized feedback from our mentor

QUIZZES

Check your understanding of concepts learned by answering simple quizzes

STUDENT HUB

Leverage the power of developer community. Use our Discord Channel to connect with your technical mentor and fellow students in your program

INDUSTRY STANDAD PROJECT REVIEW

Learn coding standard, better approach for development used in companies and get personal feedback
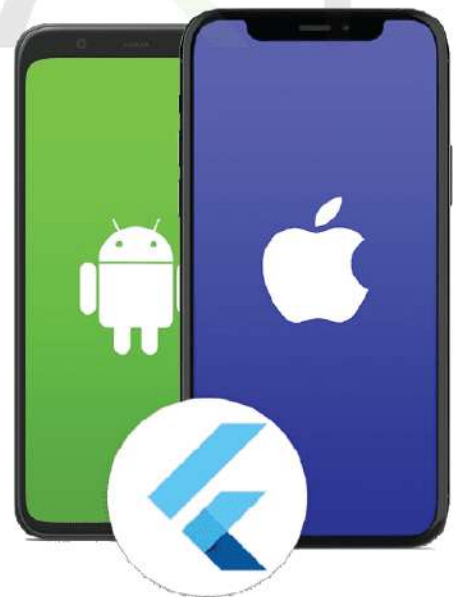
Capstone Project

"WhazzUp", a Chat and Video call app to connect with friends and family

OR

"Your Own Idea", make your own app while enrolled in the course and publish it

Syllabus

Each lesson will have an exercise

Introduction to course

Introduction to course and mentorship

Introduction to Dart and Flutter

IDE Setup with Flutter SDK

Setup Dart and Flutter SDK

Setup Android Studio IDE

Setup VSCode IDE

Hello World Program

Understanding Dart

Dart Core

Variables

Operators
Increment/ Decrement
Arithmetic, Logical, Relational etc.

Functions
Use of "return"
Paramterized, Optional, Anonymous functions etc.

Conditions
if, if-else, if-else-if
switch
conditional operator

Loops

for, forEach
while, do-while
break and continue

Class and OOPs Concept

Method variables
Method functions
Polymorphism, Inheritance etc.
Type test operator
Contructor and its types

Collections

List and its functions
Map and its functions
Generic Type

Flutter in Action

New Project - NavokiNotes

Run on Android Device and Emulator
Run on iOS Device and Simulator
Understanding Project and its structure
First App Screen - Hello World

What is a Widget ?

Stateless vs Statefull Widget
Hot Reload and Hot Restart
Lifecycle of Widgets
Understanding States of App

Debugging App

Flutter Inspector
Debugger
Logging

Flutter Widgets

Scaffold, MaterialApp
Text and its styling
Container,Padding Widget
Row and Column Widget
Stack, Align and Positioned Widget
Button Widgets
   Raised Button
   GestureDetector
   InkWell
   CustomButton

TextField
   TextEditingController
   Style in Text Field
   Managing Soft-Keyboard
   Input Validation

AppBar Widget
   Style
   Leading, Actions
   Custom AppBar
   Cupertino Widgets

Assets, Images and Fonts in Flutter

Icons and Image Widget for local and online images

Themes

Bottom Navigation

TabBar and TabBarView

ListView and GridView

Keys

Switch, CheckBox, Radio Button

DropDown, Progressbar

DrawerMenu

Screen Navigation

Data transfer between screen

Understanding Screen's stack

Dialogs and BottomSheets

Callbacks

VoidCallback

Data Callbacks

Custom UI and Widgets

Managing Child Widget

using Canvas

Responsive Design

MediaQuery

Mobile Orientation

Multiple Widgets for Reposnsive Designs

Async

Fututer, FutureBuilder

async, async*, await

Streams and StreamBuilder

Animation

Multimedia
Playing local and online Audio
Playing local and online Video

Accessing Hardware
Access Camera and Gallery
Access Settings of device features
Access device sensors

Packages and Plugins
Working with Dart and Flutter Packages and Plugins
Make own custom plugin and package
Basics of Android and iOS Project

Local Storage
Using Shared Preference
Using File Read/Write on Internal Storage of device
Using Local DB - SQLite and perform CRUD Operations

Networking
Understanding JSON and Model-Parsing
Create HTTP GET and POST Request
Work with Dynamic UI
Perform Data Filter/Sorting on Database

Firebase Authentication
Google SignIn
Phone Number and OTP SignIn

Firebase Notification
Text Notification
MultiMedia Notification
Handle Notification navigation

Google Maps

Setup Google Key
Show Current Location
Show Markers on Locations
Use Google Maps app

Payment Gateway

How Payment Gateway works
Purchase and Verify payments

Publish on Google Play Store

Prepare for release Keystore, API keys
Build release version of app
Requirement of Play Store
Upload and Publish App

Publish on Apple App Store

Prepare for release certificates
Build release version of app
Requirement of App Store
Upload and Publish App

Capstone Project

Note : We cover way more content than it is mentioned in this document considering the passion and performance of students in extra time.

Projects in this Program

Navoki Notes - a note taking app

Weather App - Show daily weather of your location

InstaQuiz - Realtime quiz with your friends online

WhazzApp - A Chat and Video and Voice call app

Your Instructor

Shivam Srivastava
Mobile Solutions Architect @EnrichAI.com
Founder of Navoki.com
Android, Flutter, Dart (Mobile and Web)

I am a Mobile Developer with a passion for coding and sharing my knowledge with other students and developers. I have also taught many Android(Java) developers. I have created many Flutter mobile apps for many companies and helped many tech companies in solving their unique problems.

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https://www.youtube.com/navoki

Contact Us

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Frequently Asked Questions

WHAT JOBS WILL THIS PROGRAM PREPARE ME FOR?

This program prepares you for an internship, junior Flutter Developer within a wide range of organizations, entrepreneurial start-ups, freelance, and contract projects. We don't provide job placement service.

WHAT ARE THE PREREQUISITES FOR ENROLLMENT?

Pre-requisite: Familiar with Computer Science or basic knowledge of programming syntax and its working. We will still teach basic of Dart programming. All you need is a laptop and a zeal to learn.

IS THIS PROGRAM RIGHT FOR ME?

If you are a programmer or IT Student who is interested in mastering the Mobile platform and building top-rated Apps in Flutter for Android and iOS, this is the program for you. If you are new to programming, we will teach you the basics of programming.

HOW TO ENROLL IN ?

Visit the site https://navoki.com and pay the full amount online and enroll in the Course. Payment is included with all applicable charges (tax, payment gateway charges, etc.)

HOW LONG IS THIS PROGRAM?

Visit the site https://navoki.com to know the duration of the program. Time may vary if it covers more topics and solve student's queries.

MINIMUM REQUIREMENT OF FLUTTER DEVELOPMENT

System Requirement min. specs: https://developer.android.com/studio#system-requirements-a-namerequirementsa
Software links will be provided in the course. You may use the emulator in Android Studio to run your apps if you do not have a physical Android device, but an Android device is recommended.

FAQ Continued

*WHAT IS 7 DAYS REFUND POLICY ?
If our course is providing 7 days refund offer and if you didn't like our course then you can ask for refund at support@navoki.com within 7 days. Example: If you applied course on 1 Jan 2021, then you can ask refund till 7 Jan 2021 23:59:59 , after this time refund will not be initiated. Also charges like Payment Gateway, Credit Card charges etc. will be deducted and remaining amount will be refunded.

WHERE CLASSES WILL BE TAKEN ?

Classes will be held online on Zoom software. After each class you will get recorded session and other study materials also so you can refer content later.

HOW THIS PROGRAM IS STRUCTURED ?

Flutter course is comprised of content and curriculum that is required by the industry that an employee should know. These topics in the syllabus are essentials to learn and apply on I to support 4 projects, multiple exercises in 1-2 hours of class for 60 days.

HOW MENTORSHIP WORKS ?

If you have any queries during course you can ask them in Discord Channel. Mentor will provide solution in 24-72 hours. Some issue might required some research and extra effort for solution so reply may take time according to it.

IS PROJECT REVIEW NECESSARY ?

YES, mentor will check your projects code and feature. After successfully approving all projects by mentor you can receive your certificate.

NEED MORE HELP ?

Contact use at support@navoki.com or chat with us on navoki.com. Please provide you Email and Phone number to contact you. Know more at https://navoki.com/privacy-policy/