FLUTTER

6 Months Program

3 Months E-Learning
3 Months Internship

AVODHA
Education for a Job

What is Flutter

Flutter is a free and open-source mobile UI framework created by Google and released in May 2017. In a few words, it allows you to create a native mobile application with only one codebase. This means that you can use one programming language and one codebase to create two different apps (for iOS and Android).

Tutor Details

Mrs. Mary Stephen brings her industry relevant experience once more to the table with a precise, industry-oriented the syllabus that will acquaint you with all the facets of the Flutter development industry, with unique characteristics such as a single language to code both Android and iOS applications, flutter is poised to be the go-to instrument of developers in the decades to come. Mrs Mary has done her time in the industry with this relatively new language has now decided to take the teaching route and impart this a brand new skill to the next generation of learners.
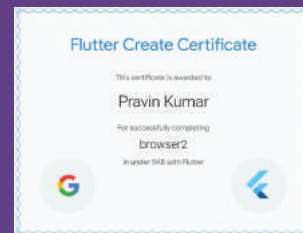
Mary Stephen

Course Structure

- ➤ 3 months E-Learning
- ➤ 3 months Internship
- ➤ Live Session for Doubt Clearance (Monday to Friday 10 AM to 7 PM)
- ➤ 100% Placement Assistance

Certification

AVODHA Course Completon Certficate

Flutter Create Certificate
(Paid)

Fees Structure

- ➤ Admission Fee : 3,800
- ➤ Total Fee : 13,800

Avodha provides Job-oriented courses in an affordable price. The total price of our course is ₹13,800/- ; but to avail the course, he/she has to pay only ₹3,800/- as an admission fee & rest of the amount ₹10,000/- has to be paid only after getting the job related to the course he/she joined at Avodha, ie., The first installment ₹5,000/- has to pay on the first day of his/her employment in a job wherein they are placed through Avodha. And the second payment of ₹5,000/- needs to be done once the student completes 30 days of employment in the Job they have been placed via Avodha.

COURSE CURRICULUM

INTRODUCTION TO DART & DARTPAD

➤ Introduction

BASICS

➤ Introduction
➤ Dart Features, Installation & First Program
➤ Basic Syntax and Program Running Mode in Dart
➤ Comments, Keywords and Datatype in Dart
➤ Variables and Operators (part 1) in Dart
➤ Operators (part 2) in Dart
➤ Dart Constants
➤ Dart Numbers

➤ Dart String
➤ Dart List and List Types
➤ Dart Set and Set Functions
➤ Dart Map and Its Function
➤ Dart Symbol
➤ Dart Runes
➤ Dart Enumeration

CONDITIONAL STATEMENTS & ITERATORS

➤ Control Flow - Decision Making Statements
➤ Loops in Dart
➤ Dart Boolean and Functions
➤ Anonymous Functions & Lexical Scope

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- ➤ Operators - Conditional & Cascade Notation Operator
- ➤ OOPS - Class & Object
- ➤ This Keyword and Variables
- ➤ Static Variable & Method
- ➤ Super Keyword in Dart
- ➤ Inheritance in Dart
- ➤ Dart Super Constructor
- ➤ Instance and Class Methods in Dart
- ➤ Method Overriding
- ➤ Getter and Setter in Dart
- ➤ Abstract Classes
- ➤ Dart Interfaces

OOP

Dart

Using and Retrieving Metadata Annotation

EXCEPTION

- ➤ Exception in Dart
- ➤ Exception Handling
- ➤ Dart Typedef
- ➤ Meta Data in Dart

COLLECTION ARRAYS OR LIST AS

- ➤ Collection
- ➤ Dart Generics
- ➤ Callable Classes in Dart
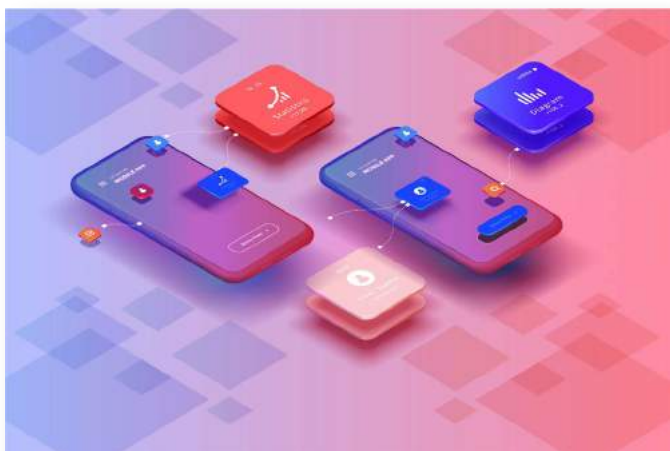- ➤ Dart Async, await & Future
- ➤ Dart Isolate

- ➤ **Introduction** to Flutter and Installation
- ➤ Flutter Configuration in Android Studio and VS Code
- ➤ Flutter Vs React Native
- ➤ First Sample App in Flutter
- ➤ Flutter Widgets

FLUTTER WIDGETS

- ➤ Scaffold Widget in Flutter Widgets
- ➤ Material App Widget
- ➤ Stateless Vs Stateful Widget
- ➤ Bottom Navigation Bar Widget
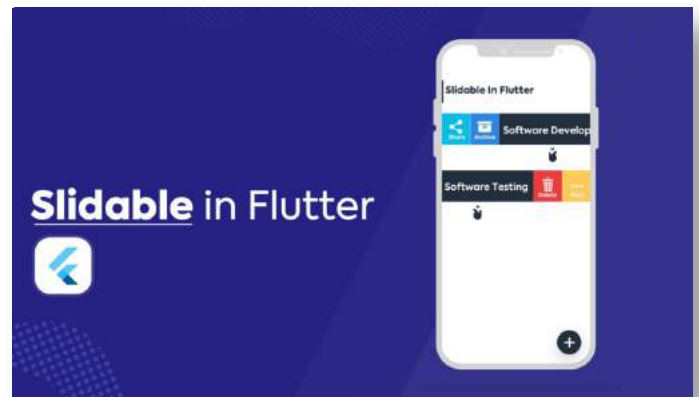- ➤ ClipRect Widget in Flutter

- ➤ Drawer Widget in Flutter
- ➤ Opacity Widget
- ➤ Rotated Box Widget
- ➤ Rich Text Widget

UI DESIGNING

- ➤ Updated AppBar with Icons
- ➤ AppBar Modified
- ➤ Flutter Application Architecture
- ➤ Carousel Slider
- ➤ Staggered Grid View
- ➤ Circular and Linear Progress Indicator
- ➤ Row Widget

- ➤ Alert Dialog Box in Flutter
- ➤ Icon Class in Flutter
- ➤ Dialogs in Flutter
- ➤ ClipRect Widget in Flutter
- ➤ Expanded Class in Flutter
- ➤ Expansion Tile Card in Flutter
- ➤ Horizontal List in Flutter
- ➤ Working with Charts
- ➤ Convex Bottom Bar
- ➤ Flutter Slidable
- ➤ Basic Layout Concepts – Axis
- ➤ Customization of Fonts
- ➤ UI Orientation in Flutter
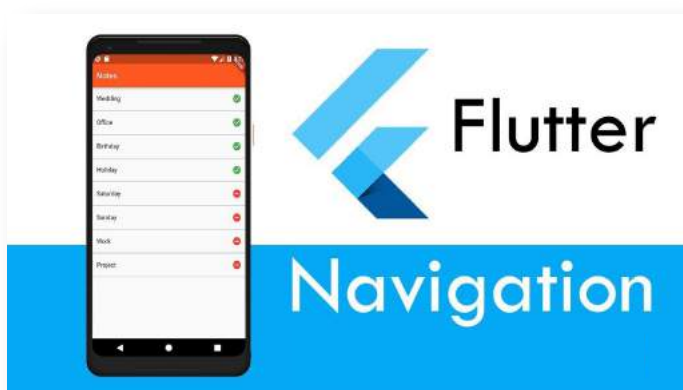- ➤ Skeleton Text in Flutter

- ➤ Animation in Route Transition
- ➤ Interactive Animation
- ➤ Themes in Flutter
- ➤ Using Google Fonts
- ➤ Radial Hero Animation
- ➤ Hinge Animation
- ➤ Lottie Animations in Flutter
- ➤ Rotate Transition in Flutter
- ➤ Flutter Lazy Loader
- ➤ Auto Size Text in Flutter

(FLUTTER MCQ1)

- ➤ Animated Splash Screen
- ➤ Card in Flutter

- ➤ Tab Bar in Flutter
- ➤ Flutter Grid View
- ➤ Flutter Forms
- ➤ Flutter Radio Button
- ➤ Flutter Toast
- ➤ Check Box in Flutter
- ➤ Flutter Tooltip
- ➤ Flutter Switch
- ➤ Dark Theme in Flutter
- ➤ Table in Flutter
- ➤ Customizing AppBar
- ➤ Flutter Calendar

FLUTTER ROUTING

- ➤ Navigator and Routes

ADVANCED CONCEPTS

- ➤ Navigator and Routes
- ➤ Splash Screen
- ➤ Android – Splash Screen
- ➤ Expansion Tile Card in Flutter
- ➤ Animation in Route Transition
- ➤ Tooltip in Flutter

Offline Center

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(Head Quarters)

Hyderabad

Mumbai

Bangalore

Chennai

Delhi

Trivandrum

Ernakulam

Kannur

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Thrissur Offline Center

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Asvary Nagar, Ayyanthole, Thrissur, Kerala 680011