App Publishing to Stores

- Code Preparing

- App Configuration

- Build App Bundle

- Third Party Services

- Android Apps Deployment

- IOS App Deployment

- Web Apps Deployment

Persistence in Flutter

- Data Persistence with SQLite
- Adding Database to the Project
- Adding an SQLite Repository
- Using Moor
- Read and Write Files
- Store Key Value to Disk
- Key Value Data Store

Native Device Features

- Camera Access
- Map Access
- Location Access
- Notification

REST API Integration

- Introduction to REST API

- API Key

- API Endpoint

- What is JSON? - Detailed Explanation

- HTTP Package

- HTTP Fetch Method

- Getting Data from API End Point Using HTTP Method

- HTTP Post Method

- Adding Data from API End Point Using HTTP Method

- HTTP Update Method

- Updating Data from API End Point Using HTTP Method

- HTTP Delete Method

- Deleting Data from API End Point Using HTTP Method

- Data Modeling in Flutter

- Serialization With JSON

- Parse JSON - fromJson , toJson

- Creating ListView widget using Data

- Converting to BookModel List

State Management Basic to Advance

- StatefulWidget

- Creating the State

- Accessing the State

- Provider and Consumer

- setState

- Redux

- BLoC/Rx

- Event StreamController

- Event Sink

- Event Stream/CounterBloc Constructor

Navigation and Routing

- Navigator Introduction
- Navigator 1.0 Introduction
- Navigator 2.0 Overview
- Managing State in the App
- Navigator Widget
- Direct Navigation
- Capturing Gesture
- Static Navigation
- Data Passing between Routes
- Dynamic Navigation
- Router
- Pages
- Nested Routers

Flutter Widget Development - Interactive Widgets

- Different types of Interactive Widgets

- MaterialApp Design

- AppBar, Scaffold

- Card, ListTitle

- Icon, IconButton

- Checkbox, Radio, Slider

- InkWell, FloatingActionButton

- ElevatedButton, Dropdown Button

- StatelessWidget

- StatefulWidget

- createState, setState method for States

Flutter Widgets Development - Basic Widget

- Initiating First Flutter Project
- Basic Widget - Introduction
- Text, Row, Column
- Image Widget
- Container
- GridView
- ListView
- Table Widget
- Stack Widget
- Padding
- Form, FormField

Installation and Setup for Flutter Development

- Flutter App Building Prerequisites
- Windows Setup Part
- Install Android Studio in Windows
- Install the Android Emulator in Windows
- Install the Flutter SDK in Windows
- Mac Setup Part
- Install Android Studio in Mac
- Install the Android Emulator in Mac
- Install Xcode
- Install iOS Simulator
- Install the Flutter SDK in Mac
- Configure Android Studio for Flutter Development

Dart Programming Language - Module 4

- Asynchronous Programming Introduction
- Future Type
- Callbacks
- Async and Await
- Try and Catch
- Exception Handling

Introduction to Flutter Development

- What is Flutter?
- Why Flutter?
- Inside Flutter App

Dart Programming Language - Module 3

- Classes Introduction
- Defining a Class
- Instance Creation from the Class
- new keyword in the Class
- Creating Properties and assigning Values
- Adding Methods to the Class
- Class Constructor and Named Constructor
- Private Properties
- Getter and Setter
- Inheritance
- Abstract Class
- Interfaces and Implements keyword
- Mixins
- Extension Methods
- Collections Types

Dart Programming Language - Module 2

- Functions Parameters
- Optional Parameters in Functions
- Default Values for Parameters in Functions
- Named Parameters in Functions
- Functions Assignment to the Variables
- Passing Functions to Functions
- Return in Functions
- Returning Functions from Functions
- Closures and Scopes in the Function
- Function Shorthand - Arrow Functions
- Anonymous Functions and Usgae of Anonymous Function

Dart Programming Language - Module 1

- Setting Development Environment for the Dart Development
- Dart Command Line and Commands
- Writing and Running the Code
- Code Commenting in Dart
- Printing Output
- Statements and Expressions in Dart
- Operations
- Data Naming
- Variables, Immutable Data
- Increment and Decrement
- Data Types - String, Int, Double
- Control Flow Introduction
- Booleans in Dart Language
- Operators and Different Types of Operators
- If Statements and Different Types
- Switch Statements and Usage of Switch Statements
- Enumerated Types in Dart
- Introduction to Functions
- Loops and Different Loops
- While Loop and Do While Loops
- For Loops and forEach Loops
- Break and Continue Keywords