FLUTTER DEVELOPMENT

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What Is FLUTTER DEVELOPMENT ?

A Flutter Developer Is A Front-End Software Developer Who Has Proficiency With The Flutter Framework. By Association, Flutter Developers Have Fluency In Writing Code Using The Dart Programming Language And Are Therefore Dart Developers As Well. Flutter Developers Can Be Web App Developers Or Mobile App Developers.

Building Multi-Platform Applications For Android, Ios, Web, Windows, Macos And Linux Using The Flutter Development Framework Of Google

Course Structure

- **3 Months Course**
- **3 Months Internship**
- **100% Placement Assistance**

Flutter Development Syllabus

FLUTTER –INTRODUCTION

1. Features of Flutter
2. Advantages of Flutter
3. Disadvantages of Flutter

FLUTTER – INSTALLATION

1. Installation in Windows
2. Installation in MacOS

FLUTTER – CREATING SIMPLE APPLICATION IN ANDROID STUDIO, VS CODE, X CODE

FLUTTER –INTRODUCTION

1. Widgets
2. Gestures

3. Concept of State

4. Layers

FLUTTER – INTRODUCTION TO DART PROGRAMMING

1. Variables and Data Types

2. Decision Making and Loops

3. Functions

4. Object Oriented Programming Concepts

FLUTTER – INTRODUCTION TO WIDGETS

1. Widget Build Visualization

FLUTTER – INTRODUCTION TO LAYOUTS

1. Type of Layout Widgets

2. Single Child Widgets

3. Multiple Child Widgets

4. Advanced Layout Application

FLUTTER – INTRODUCTION TO GESTURES

1. Gestures Management

FLUTTER – STATE MANAGEMENT

1. Ephemeral State Management

2. Application State - scoped_model

3. Navigation and Routing

4. App theming

FLUTTER – ANIMATION

1. Introduction
2. Animation-Based Classes
3. Workflow of the Flutter Animation
4. Working Application

FLUTTER – WRITING ANDROID SPECIFIC CODE

FLUTTER – WRITING IOS-SPECIFIC CODE

FLUTTER – INTRODUCTION TO PACKAGE

1. Types of Packages
2. Using a Dart Package
3. Develop a Flutter Package

FLUTTER – ACCESSING REST API

1. Basic Concepts
2. Integrating Rest API Service

FLUTTER – DATABASE CONCEPTS

1. SQLite
2. Cloud Firestore

FLUTTER – INTERNATIONALIZATION

1. Using intl Package

FLUTTER – TESTING

1. Types of Testing
2. Widget Testing

3. Steps Involved

4. Working Example

FLUTTER – DEPLOYMENT

1. Android Application (play store)

2. iOS Application (APP store)

FLUTTER – DEVELOPMENT TOOLS

1. Widget Sets

2. Flutter Development with Visual Studio Code, Android studio, X code.

3. Dart DevTool

4. Flutter SDK

FLUTTER – WRITING ADVANCED APPLICATIONS

1. Application release to play store

2. Responsive app development

3. Google map integration with app

4. Advanced Animation

5. app security with encryption and decryption

6. Freezed class and auto-generated colors, images

7. Push notification with firebase

8. Bug Identification and Update

9. Multithreading in Flutter

10. Inherited Widgets

11. Reusable widgets

FLUTTER – CONCLUSION

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