

# Flutter App Development

Learn Flutter and build a secure career in the world of app development

Duration: 5 months course+1 month internship



[www.techno.academy](http://www.techno.academy)

 **CALICUT | UAE**

# About the course :

Our Flutter App Development course is an expert-designed program that covers fundamental to advanced concepts of application development using the Flutter framework, an open-source UI software development kit made by Google. This course offers you the skills and knowledge related to Flutter needed to build high-quality, visually engaging and cross-platform mobile applications. Throughout the course, we provide an interactive learning experience with an opportunity to work on live projects guided by professionals in the industry

## What you will learn :



### Introduction to Flutter

- What is Flutter?
- Why Flutter?
- Building Blocks of a Flutter Application
- Flutter vs Other Frameworks
- What is Flutter CLI?

### Flutter Widgets and UI Design

- Introduction to Widgets
- Stateless vs Stateful Widgets
- Layouts in Flutter (Rows, Columns, Containers, Cards)
- Styling and Theming
- Material Design Widgets
- Cupertino Widgets

## State Management in Flutter

- Introduction to State Management
- `setState()` and Stateful Widgets

## Flutter Navigation and Routing

- Introduction to Navigation
- Named Routes
- Navigation and Routing with Arguments
- Nested Navigation
- Navigation with Tabs

## Python Django

- Introduction to Python
- Python Syntax
- Data Structures
- Functions
- File Handling
- Object Oriented Programming
- Decorators
- Testing and Debugging
- Modules and Packages
- Error Handling and Exceptions
- Functional Programming
- Basics of RDBMS
- Django REST framework

## State Management

- Riverpod for State Management
- Managing Global State

## Forms and Validation in Flutter

- Introduction to Forms
- Creating Forms with Flutter
- Form Validation
- Custom Validators
- Handling Form Submission

## Flutter Animations and Advanced UI

- Introduction to Animations
- Implicit and Explicit Animations
- Custom Animations
- Animations with Flutter Hooks

## API Integration

- Authentication and Authorization
- Connecting Flutter with Django APIs

## Testing in Flutter

- Unit Testing
- Widget Testing
- Integration Testing

# Why Techno Dot Academy?



Guaranteed Placement  
Assistance and Internship



Endorsed by  
Leading IT Firms



Scholarship/Earn &  
Learn Option

## Exit Profiles

- Flutter developer
- Mobile app developer
- Front-end developer
- Software Developer
- Full-stack developer

### CALICUT

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