

# FLUTTER APP DEVELOPMENT SYLLABUS

[www.exaltaretech.com](http://www.exaltaretech.com)

## MODULE 1: CREATING FLUTTER PROJECT

- Understanding flutter main method
- How to run your app on an actual device
- Hot reload option in a flutter
- Starting a small Timer app project

## MODULE 2: CREATING A CALCULATOR APP

- Add input fields in the Screen
- Understanding stateless and stateful components in a flutter
- Adding UI components like input fields and buttons on the Screen
- Building a calculator app project

## MODULE 3: PASSING INFORMATION BETWEEN SCREENS

- Understanding flutter navigation components
- Adding a new Screen to your app
- Passing Information from the first Screen to the second Screen and vice versa
- Creating an app that simulates Passing Information between screens operation

## MODULE 4: UNDERSTANDING SQLITE DATABASES

- Creating a form for capturing user address
- Understanding SQLite database creation and table creation process
- SQL CRUD Operations

MORE INFO AT [EXALTARETECH.COM](http://EXALTARETECH.COM)!

FOR REFERENCE:

[WWW.ENTREPRISECANADA.CA](http://WWW.ENTREPRISECANADA.CA)

## MODULE 5: WORKING WITH THE DEVICE HARDWARE

- Understanding permissions in Android
- Adding bitmap images to Screen
- Using device camera to click an image
- Sending Camera data back to Screen and displaying an image on bitmap
- Creating an app that captures camera images and displays them on Screen

## MODULE 6: UNDERSTANDING LIST VIEWS AND SWIPEABLE VIEWS

- Creating a list view
- Preparing a list of data of contacts
- Implementing Swipeable views in Android
- Creating an app like the home screen of WhatsApp
- Understanding of Interactions with Server in Android
- Introduction to web services in a flutter
- Identifying the difference between GET and POST methods

## MODULE 7: CLIENT-SERVER ARCHITECTURE

- Understanding how to prepare an Ecommerce
- Passing Data from Server and displaying products in Screen
- Setting up actions when you click on different products

## MODULE 8: PUSH NOTIFICATIONS AND DYNAMIC SEARCHING

- Implementing search functionality for different products
- Integrating push notification using firebase
- Introduction to firebase
- Generating user API key and registering the app on Firebase console
- Triggering notification from firebase console and sending notification to users

### CONTACT US

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