Mobile Application Development

Flutter Installation and Setup

1. Download Flutter:-
   - Open Google chrome
   -) Search for Download "Flutter SDK".
   -) visit for official Flutter website (http://Flutter.dev).
   -) Download the latest Flutter SDK zip file.

2. Extract Flutter:-
   - Extract the downloaded zip file to a preferred location (D:\src\Flutter on window).

3. Set Environment Variable (windows only)
   - Open System properties → Advanced → Environment Variables.
   - Edit the path variable and add the Flutter bin directory

path.

4. Verify Installation:-

•) Open Command Prompt or Terminal

•) Type flutter doctor and press Enter.

•) Install any missing dependencies as suggested.

Using Flutter in Android Studio:

1. Install Android Studio:

•) Download Android studio from http://depeloper.android.Cm/studio·

•) Install Android studio and open it.

2. Install Flutter & Dart Plugins:

•) open Android studio.

•) Go to setting > plugins

•) Search for Flutter and install it (this will also intsall

Dart).

2- Set Up on Emulator:-

•) Open Android studio > AVD Manager

•) Create a new Flutter Device & start it.

Using Flutter in vs code:

1- Install Vs code

•) Download Vs code from

　　http://code.visualstudio.com

•) Install and open it.

2- Install Flutter & Dart Extension:

•) Open VS code.

•) Go to Extensions.

•) Search for Flutter and install it

(this will also install Dart.)

Creating & Running a Flutter Project:

1- Create a New Flutter project.

•) Open terminal in VS code or Android studio.

•) Run Flutter create counter-app.

2- Open the project:

-) Navigate to the project Floder
: cd counter-app.

•) open the project in VS code or Android studio.

3- Run the Flutter Application in VS code:
•) Run the program
•) In terminal type:
    •) cd counter-app.
    •) Flutter Run
•) chose the Browser
    ↳ Chrome
    ↳ Microsoft Edge