<u>Flutter Day wise Curriculum</u>

- **Day 1** : General Discussion & Installation of **Dart & Flutter**, Exploring other IDEs.
- **Day 2** : Dart fundamentals discussion & Programing basics like, variable, if-else, loop etc.
- **Day 3** : Implementation of loops & some basic logic building programs.
- **Day 4** : Implementation of Array & Oops concept in Dart.
- **Day 5** : Advance Concept of Dart like future and async .
- **Day 6** :Dart Test .
- **Day 7** : Introduction to flutter ,Install plugin for vscode & Run your first flutter projects.
- **Day 8** : Introduction to Stateless ,Stateful ,Scaffold Widget in flutter. & Create **Currency Converter** App
- **Day 9** : Finish our **Currency Converter** app

- **Day 10** : Create **Dice Roller** app (work on logic part).
- **Day 11** : Finish **Dice Roller** App (Work on Designing Part)
- **Day 12** : Create **Tic Tac Toe** app in flutter(Initializing state for tic tac toe, winning logic of tic tac toe)
- **Day 13** : Finish **Tic Tac Toe** app in flutter(Grid View ,Designing part of tic tac toe)
- **Day 14** : Create **Spannish Audio Number** App in flutter() (Discuss about third parties library in flutter & Audio helper class in flutter)
- **Day 15** : Create **Camera app** (how imagepicker work in flutter ,create method for open the camera and gallery)
- **Day 16** :Finish Our **Camera App** and learn new concepts (like Routing , pass value to the next screen
- **Day 17** :Introduction to **SQFLite** .Create a **contact app** with sqflite (add dependencies of sqflite in your app)

- **Day 18** :Create custom class and create table in sqflite .learn how to insert ,delete,update data in sqflite.
- **Day 19** : Create UI of **contact app** (create listview).
- **Day 20** :Finally Finish our **contact app** (Adding method of insert,delete,update).
- **Day 21** : Introduction to **Firebase** for flutter.Add dependencies of firebase in flutter. Create login and signup page.
- **Day 22** : Learn how to **authenticate** with firebase in flutter ,& try to implement **social authentication** in our app.
- **Day 23** : Now we move to database part of firebase (Discuss about CRUD) & Create **TO-DO** app with firebase database.
- **Day 24** : Design our **TO-DO** App and write method for insert,delete data into firebase
- **Day 25** : Finish Our Online **TO-DO manager** app.
- **Day 26** : Create Our **Twitter UI** clone app.Create Reusable widget & Bottom navigation bar.

- **Day 27** : Finish our **Twitter UI** clone app.
- **Day 28** : Implement **Payment Gateway** in our flutter app.
- **Day 29** : Introduction to **API** in flutter and Design our **news app** .
- **Day 30** : Making web Request with future and Understand the API response
- **Day 31** : Picking up data from json & Finish Our **News** App.
- **Day 32** : Create our **youtube clone** app . Learn how to implement video player in flutter.(Add video player plugin in our app)
- **Day 33** : Create Reusable widget of **youtube** app & finish design of **youtube** app.
- **Day 34** : Fetch video file from API and show in our app.Finish our **Youtube clone** app with API.
- **Day 35** : Create **Instagram** App. Build some page of **instagram** app.
- **Day 36** : Finish Profile Section of **Instagram** clone app & Design Feed Page of **Instagram** app.

- **Day 37** : Learn How to **upload image** to firebase storage and show that image in our feed section.
- **Day 38** : Finish our **instagram** app.
- **Day 39** : Integrate **Admob** in our app.
- **Day 40** : Learn How to Upload Your first flutter app on **playstore**.
- **Day 41** : Final Test.

Note : We cover way more content than it is mentioned in this document considering the passion and performance of students in extra time.