Mobile App Development

CSE-4078

# Lab Plan 9

# Objective:

* To implement the GPS location extraction code.
* To implement the concepts of Async code.
* To implement Weather Api
* To implement Decode API Json data.
* To implement Loading sign using SPinkit package

# Course Learning Outcome (CLO):

* **CLO-3:** Demonstrate the knowledge of “Dart” to develop cross-platform and data-driven mobile applications.

# Lab Tasks

Create two classes loadingScreen and LocationScreen

**A. Loading screen will perform following task**

1. Implement the “geolocator” package to determine the current position of the device upon click of the button. After determining the position of longitude and latitude of the current position.
2. Determine the current permission status for GPS in the App.
3. Modify the code done in task 1 to print the longitude and latitude of the current position on start of app instead of button press.
4. Implement openweathermap API to get data from current Location’s longitude and latitude and pass decoded weather data to **LocationScreen**  ,
5. Show loading sign in build method using packafe Spinkit.

**B. LocationScreen will perform following task**

1. Display temperature, cityname and weather condition icon on screen.