

Sprint - 3

Creation of Application Modules

Team ID	PNT2022TMID37214
Project Name	Project - Smart Farmer – IOT Enabled Smart Farming Application

Module 3 : Weather Data

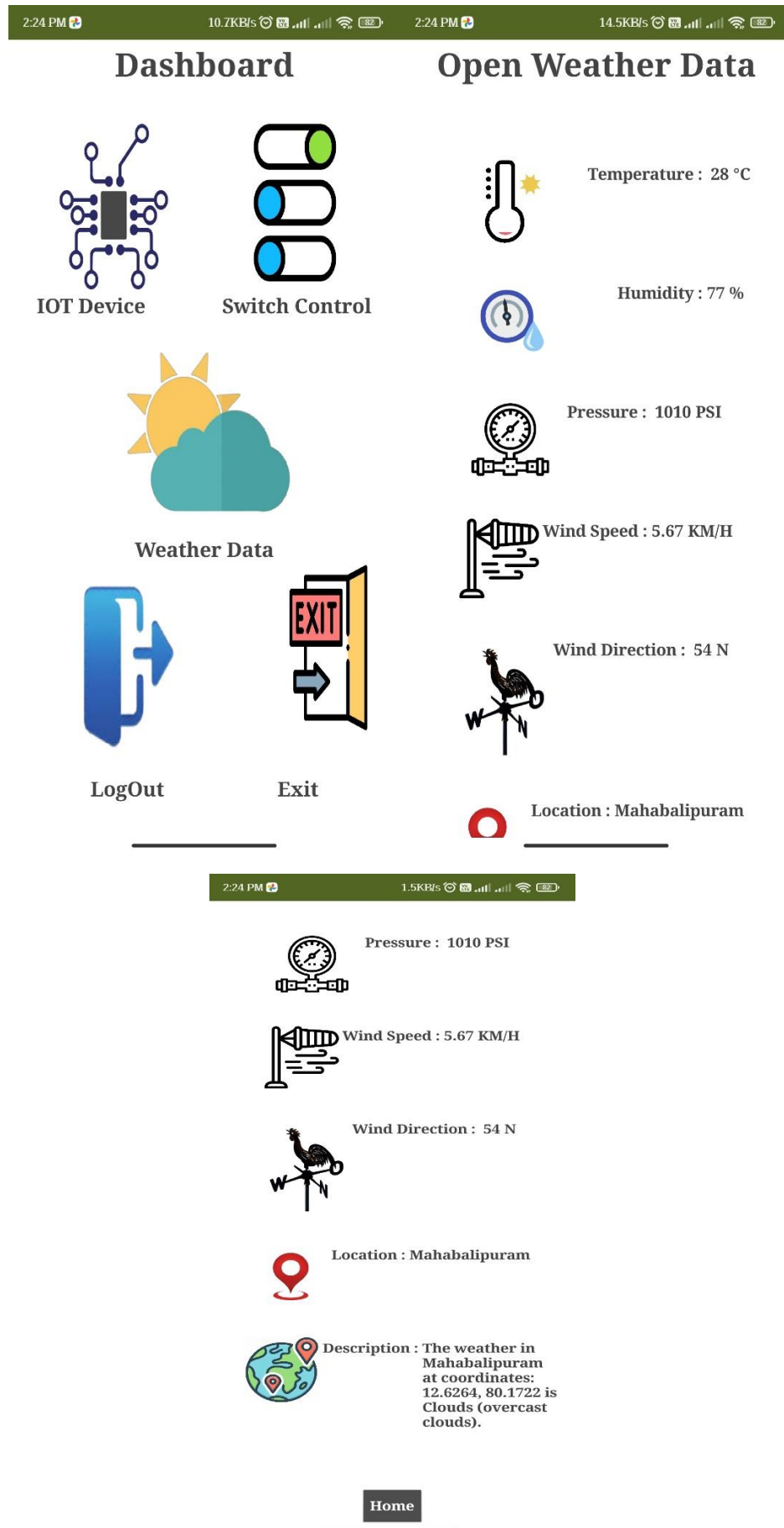
Open weather API

1. Temperature
2. Humidity
3. Pressure
4. Wind Speed
5. Wind Direction
6. Location
7. Location Description

The screenshot displays the OpenWeather API website. The header includes the OpenWeather logo, a search bar, and navigation links: Guide, API, Dashboard, Marketplace, Pricing, Maps, Our Initiatives, Partners, Blog, For Business, HE..., and Support. The main heading is "Weather API". Below this, a message encourages users to sign up for the fast and easy-to-work weather APIs. The "One Call API 3.0" is highlighted as a new feature. Users can choose between "API doc" and "Subscribe". The "Subscribe" option details the "Pay as you call" plan, offering 1,000 API calls per day for free and 0.0012 GBP per API call over the daily limit. A "Subscribe to One Call by Call" button is provided. A FAQ link is also present. A cookie consent banner is visible at the bottom of the page.

Using Open Weather Map Api to get weather data, Which is required location latitude and longitude of particular location or area.

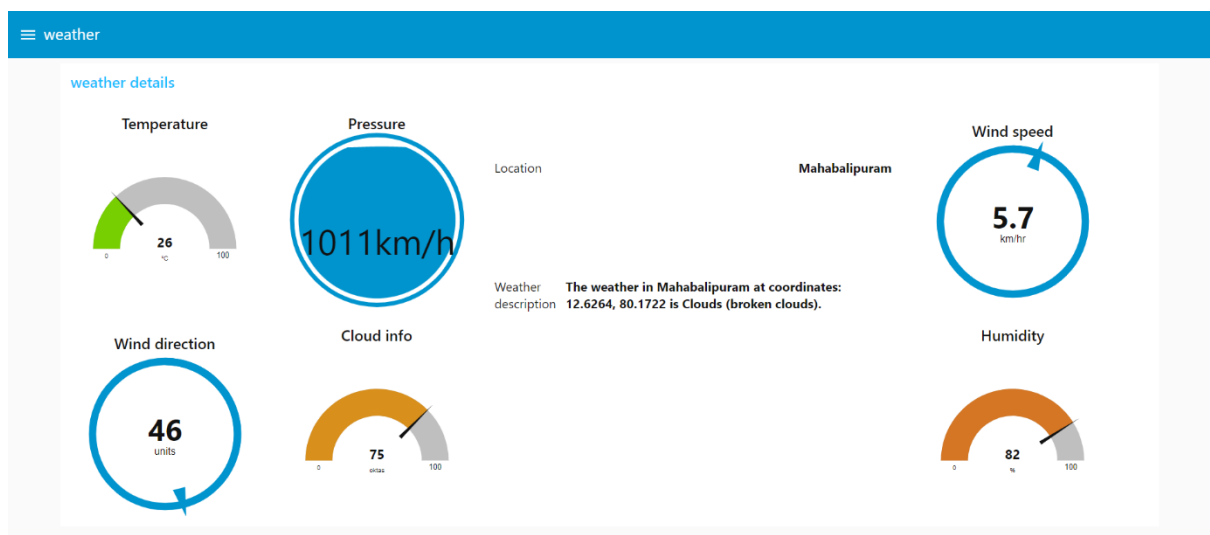
Android Application



WebUI

≡ Sensor data

- Smart Farmer
- Sensor data
- Signup and login
- weather



Get the different weather data for a location, Easily separate or split the data using NodeRed flow of weather node

