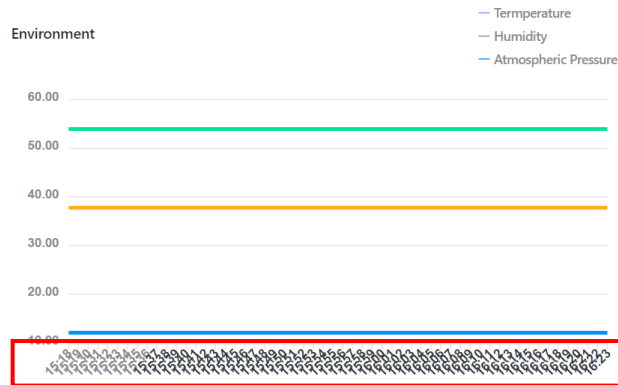


1. I could successfully connect to my WiFi network using Autoconnect. However, if the device power is turned off, it doesn't reconnect to the saved WiFi network upon power on. It is very important to reconnect to a saved network as this device is used standalone without the user nearby.
2. The code seems to be for using the NPK, BME280 and soil moisture sensors together. Since all users will not be using all the sensors, please provide information on how to disable unwanted sensors?
3. As agreed with you, in the below code for soil moisture sensor, the values 550,0 is dependent on several factors and may have to be changed depending on the environment, type of soil etc. Hence, I would like this value to be fetched from the website instead of hardcoding.

```
int sensor_pin = 2;
int value;
void setupSoilMoisture()
{
}

String getSoilMoisture()
{
  value = analogRead(sensor_pin);
  value = map(value, 550, 0, 0, 100);
  Serial.print("Moisture : ");
  Serial.print(value);
  Serial.println("%");
  delay(10);
  return String(value);
}
```

4. The BME280 sensor values are not showing. It always shows in Serial Monitor that the sensor is not connected. I checked the connections and found all were fine.
5. What is this link in the code "broker.hivemq.com"? Is this a third-party service?
6. Please provide the complete installation procedure in case, for example, I reinstall OS in my VPS. I can do the CapRover installation, but the .tar file installation I did was not successful, and you had done some changes to get things working. Hence, please provide detailed information, and I would like to try doing a reinstallation from my side.
7. Mobile App:-
 - a. Please include option to save login username and password in the mobile app.
 - b. The date shown in the x-axis is very congested in the mobile app (this is the same in webapp also when viewed in smaller screen). Generally, the app looks like the website converted to app. Is there anything which can be done to improve the graph display? Please see the below image



- c. We had discussed mobile app and not just Android app. So, both iOS and Android apps were expected.
 - d. How can I add my logo in the mobile app (Also in the WebApp)?
8. My data is not showing in the backend now in the links (<http://smart-agri-backend.iot.intelligadgets.me/api/mqtt>). I tried both firmwares MQTTPubFW.ino and the Firmware.ino. Earlier it worked when I used MQTTPubFW.ino. My serial monitor shows as below


```

20:44:34.519 -> WiFi connected
20:44:34.519 -> IP address:
20:44:34.519 -> 192.168.1.99
20:44:34.519 -> 4CEBD676424214
20:44:34.519 -> Attempting MQTT connection...connected
20:45:33.417 ->
{"FW_Version":"v1.0","Environment":{"Temperautre":12.1,"Humidity":54,"Atmospheric_Pressure":37.78},"SoilParameters":{"Soil_Moisture":5.44,"EC":87.52,"pH":47.31,"Nitrogen":54.64,"Phosphorus":97.13,"Potassium":51.03}}Publishing on: data/4CEBD676424214
20:46:33.411 ->
{"FW_Version":"v1.0","Environment":{"Temperautre":12.1,"Humidity":54,"Atmospheric_Pressure":37.78},"SoilParameters":{"Soil_Moisture":5.44,"EC":87.52,"pH":47.31,"Nitrogen":54.64,"Phosphorus":97.13,"Potassium":51.03}}Publishing on: data/4CEBD676424214
20:47:33.416 ->
{"FW_Version":"v1.0","Environment":{"Temperautre":12.1,"Humidity":54,"Atmospheric_Pressure":37.78},"SoilParameters":{"Soil_Moisture":5.44,"EC":87.52,"pH":47.31,"Nitrogen":54.64,"Phosphorus":97.13,"Potassium":51.03}}Publishing on: data/4CEBD676424214
20:48:33.379 ->
{"FW_Version":"v1.0","Environment":{"Temperautre":12.1,"Humidity":54,"Atmospheric_Pressure":37.78},"SoilParameters":{"Soil_Moisture":5.44,"EC":87.52,"pH":47.31,"Nitrogen":54.64,"Phosphorus":97.13,"Potassium":51.03}}Publishing on: data/4CEBD676424214

```
9. How to use the OTA? What format file should I upload, how to create the file and how it works? Is it operational already?
10. Now devices in the website are represented by Mac addresses. Can we add a name for each Mac address? If a user has more than one device, it is difficult to identify with Mac address.
11. In the soil parameters graph, the categories on the right is showing "Temperature" "Humidity" and "Atmospheric Pressure". This needs to be changed to pH, EC, and N, P, K. Also, the chart is not showing "Potassium".

12. Please add date / time in the table and date in chart also as the time of reading cannot be identified from the current table.
13. The link is too long now (<https://smart-agri-frontend.iot.intelligadgets.me/tables>). How can I change it to something like <https://dashboard.iot.intelligadgets.me> ?
14. How can I delete a device Mac Address from the drop down if it is no more used or damaged?