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.

A: it should be connected to the saved WiFi network once you restart it. The reason why it is not connecting again might be because you are getting very low signal strength from your WiFi router.

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?

A: I have already placed the fail-safe checks in the Firmware. If the firmware doesn't detect any sensor it will report 0 values for it and will keep working with other 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); }

A: Sure, we can work on that.

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.

A: Done. I have updated the firmware and it should work now.

5. What is this link in the code "broker.hivemq.com"? Is this a third-party service?

A: It is used to allow devices and websites to communicate with each other. It is a free service and acts as middleware between devices, apps, and websites etc. If you want to use your personal MQTT Broker in place of this free service, you can follow this guide http://www.steves-internet-guide.com/install-mosquitto-linux/ and then use the created address in place of broker.hivemq.com.

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.

A: Done. I have added the complete instructions in the new README.pdf file

7. Mobile App:-

a. Please include option to save login username and password in the mobile app.
A: I will check with my developer if it is possible, I will do that.

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
A: Updating it.

c. We had discussed mobile app and not just Android app. So, both iOS and Android apps were expected.
A: Although there was no mention of iOS app in our discussion and it is a standard practice to provide the android app. But now I have built the iOS app as well. You can find it in the smartphone directory. I don't have MacBook to compile it so you can just copy the iOS folder to any MacBook with xcode and click compile/build and it will be ready in few minutes.

d. How can I add my logo in the mobile app (Also in the WebApp)
A: You should have provided the logos at the start of the project. The whole project now needs to be recompiled with new logos in order to change them,

8. My data is not showing in the backend now in the links (http://smart-agribackend.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
A: The firmware seems to be working fine I am using the same firmware and you can see my devices in the dashboard. Let me check with my developer to fix your device issue.

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?
A: Open Arduino IDE, go to Sketch menu and click on export compiled binary. It will output a .bin file, upload it to the dashboard and click submit. Now the OTA file is stored in the server. We need ssh access to your server to prepare it for broadcasting OTA file.
On-device side you will be able to see something like this
https://hieromon.github.io/AutoConnect/images/serverupdate.gif

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
A: yes it is possible but it will require modifications both in the backend and frontend.

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
A: Updating it

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.
A: Updating it

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 ?
A: You will need to redirect the original link to anything shorter in you domain provider dashboard. See redirections in domain records for more details.

14. How can I delete a device Mac Address from the drop down if it is no more used or damaged
A: Not possible for now maybe an expiration time can be added if device is not used for mayeb one week or one month.