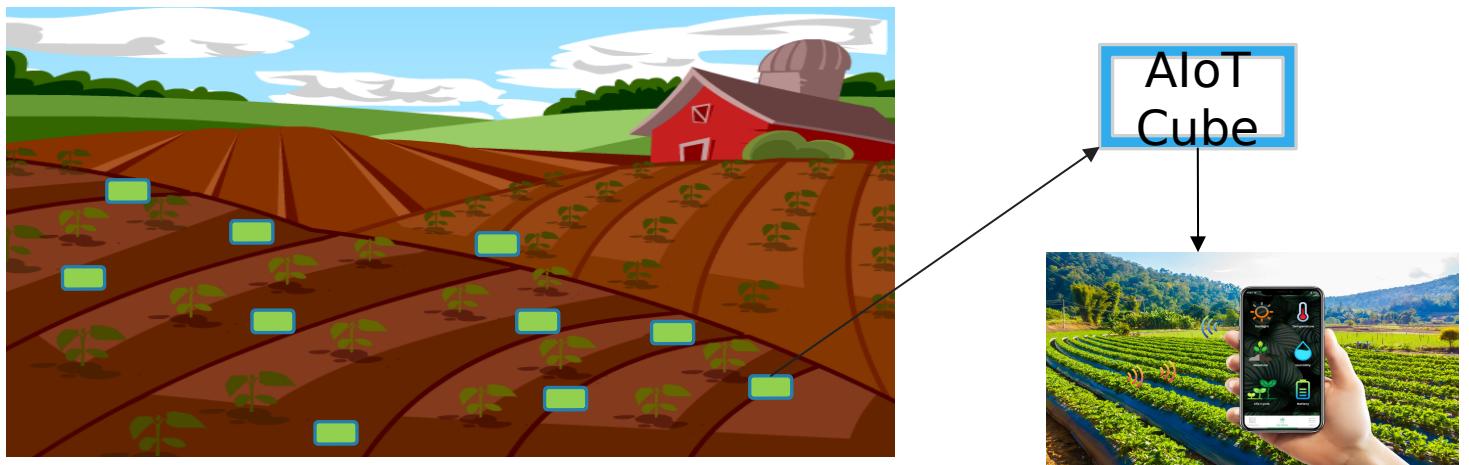


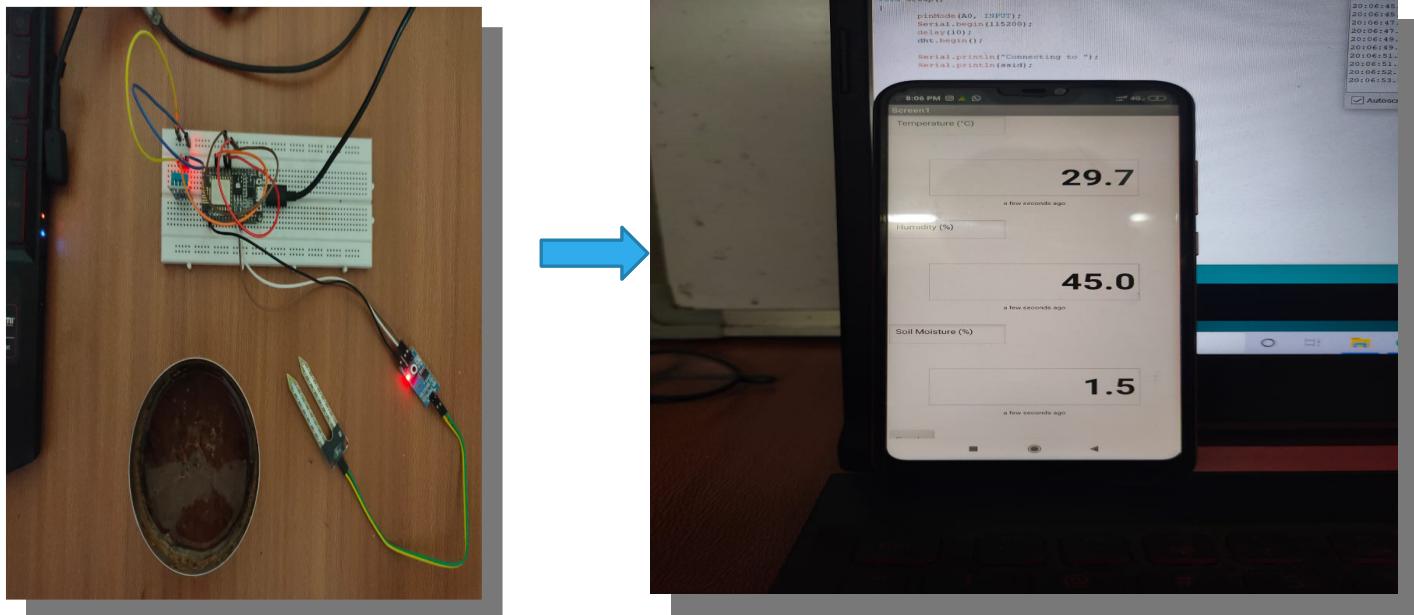
Visuals which we are trying to achieve :



Actual circuit used while testing :

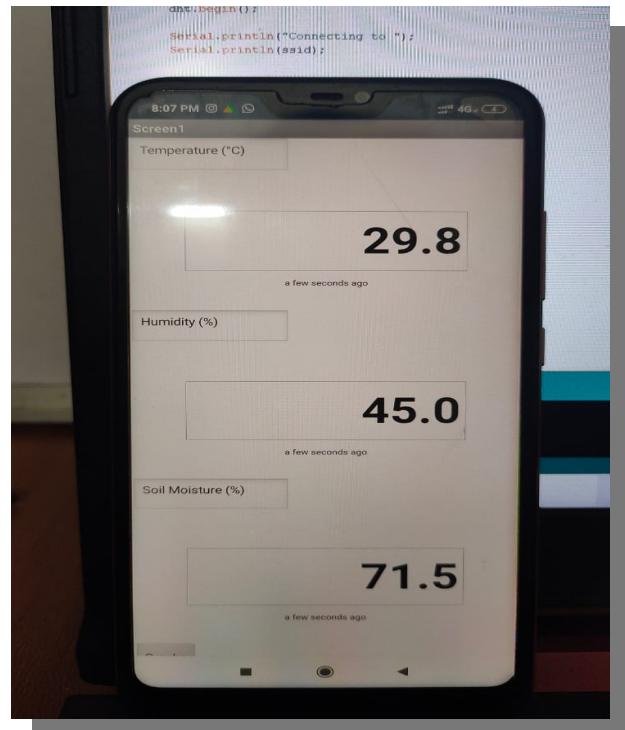
Case 1:

Soil Moisture Sensor in dry condition (No notification alert)

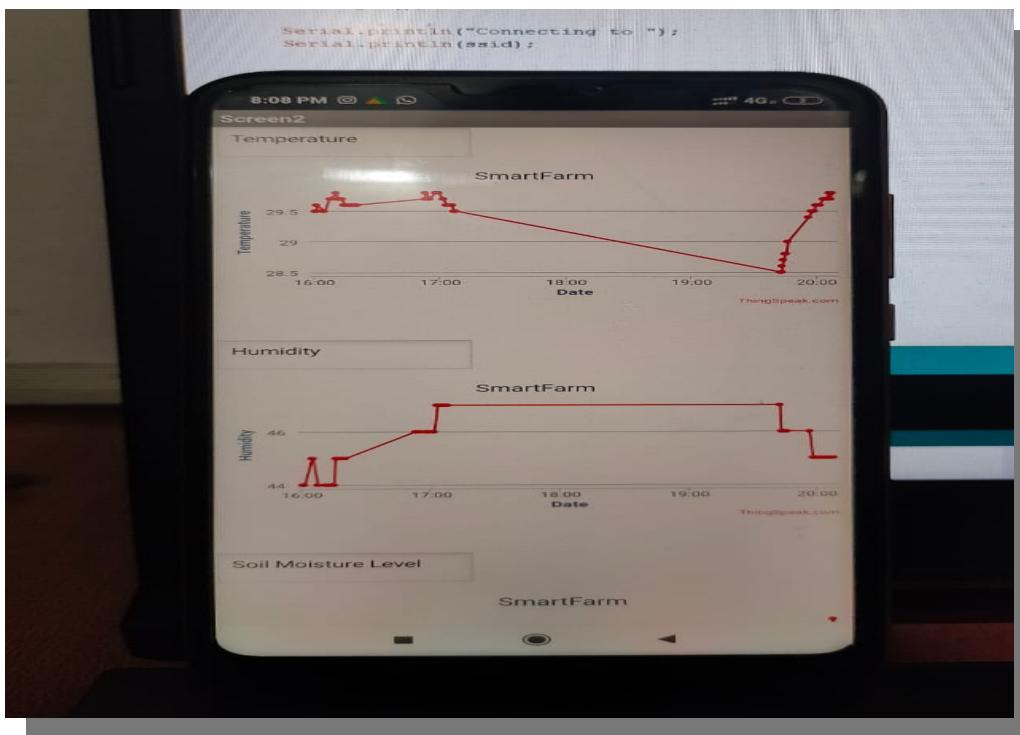


Case 2 :

After inserting the sensor into an excessively high moisture soil mixture



Graphical Readings (Value vs Time)



Result: -

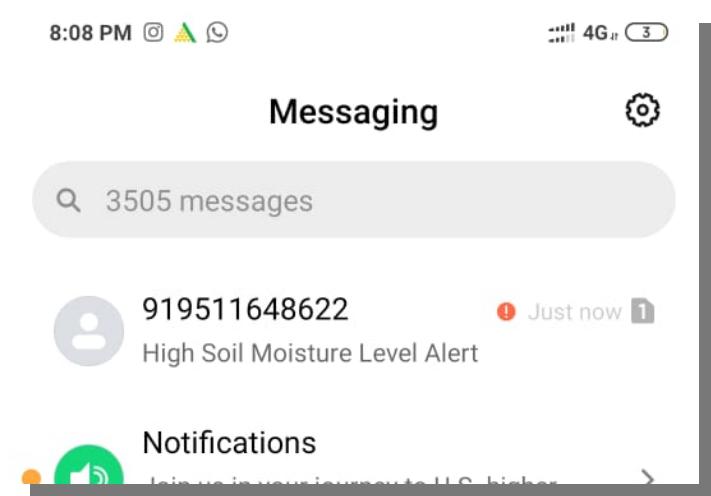
In case 2 when soil moisture is more than threshold we get email and mobile notification:

Email Notification :

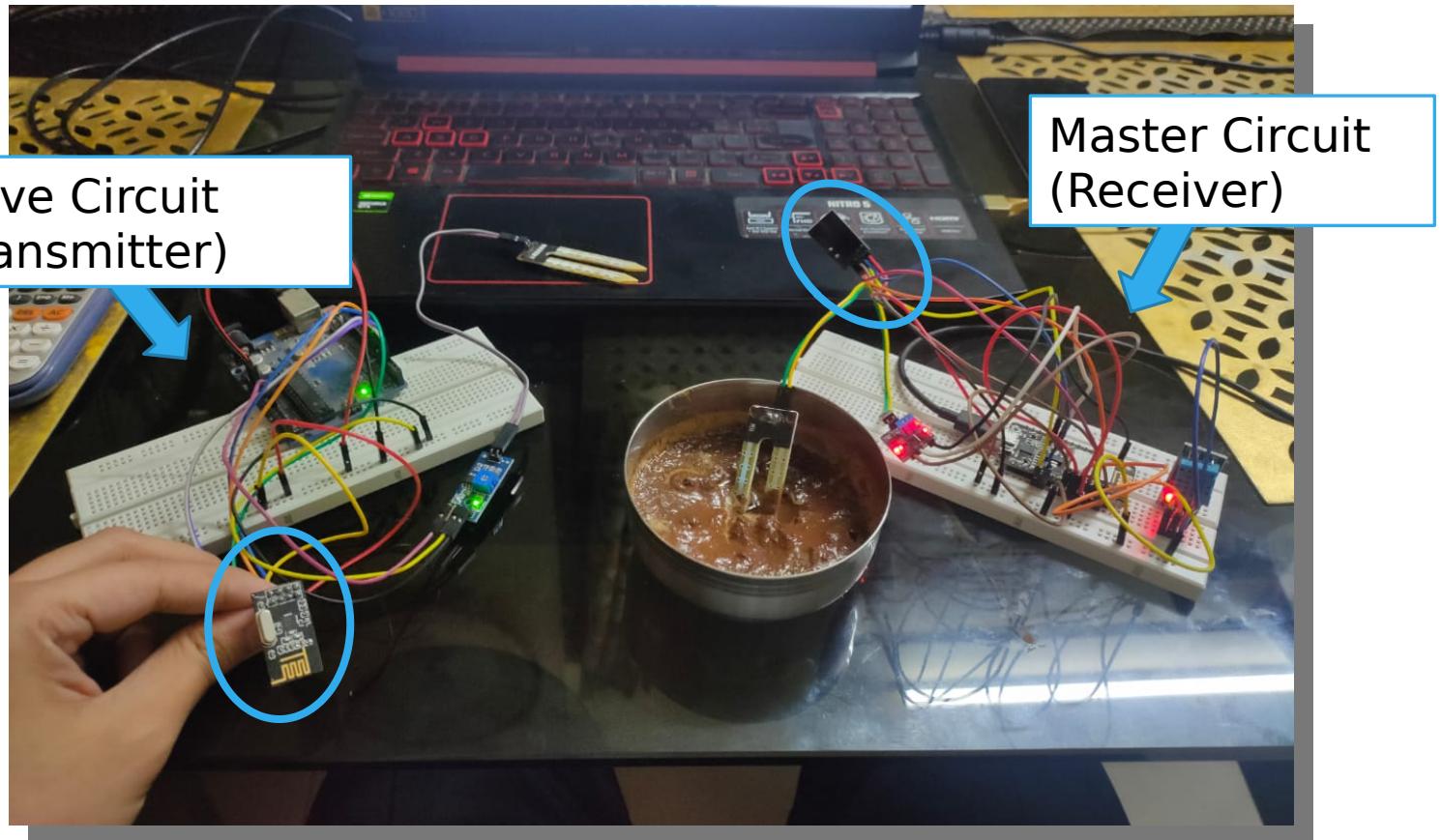
The screenshot shows a Gmail inbox with the following details:

- Compose** button is visible.
- Inbox** tab is selected, showing 2 new messages.
- Primary** tab is selected.
- Social** and **Promotions** tabs are also present.
- Get started with Gmail** section includes links for customizing the inbox, changing profile image, importing contacts, and getting the app for mobile.
- Messages**:
 - A message from "me" with subject "High Soil Moisture Alert" is listed. The message content is: "What: SmartFarm When: March 18, 2021 at 08:07PM Temperature is Humidity is Soil Moisture Level is". The timestamp is 20:07.
 - A message from "Google Community Te." with subject "Your Google Account is live – now help your business grow" is listed. The message content is: "Start using Google's tools for your business.". The timestamp is 17 Mar.
- Meet**, **Hangouts**, and **Hangouts** sections are visible on the left.
- Bottom status bar shows "Waiting for mail.google.com...", system icons, and the date/time "20:08 18-03-2021".

Mobile Notification :

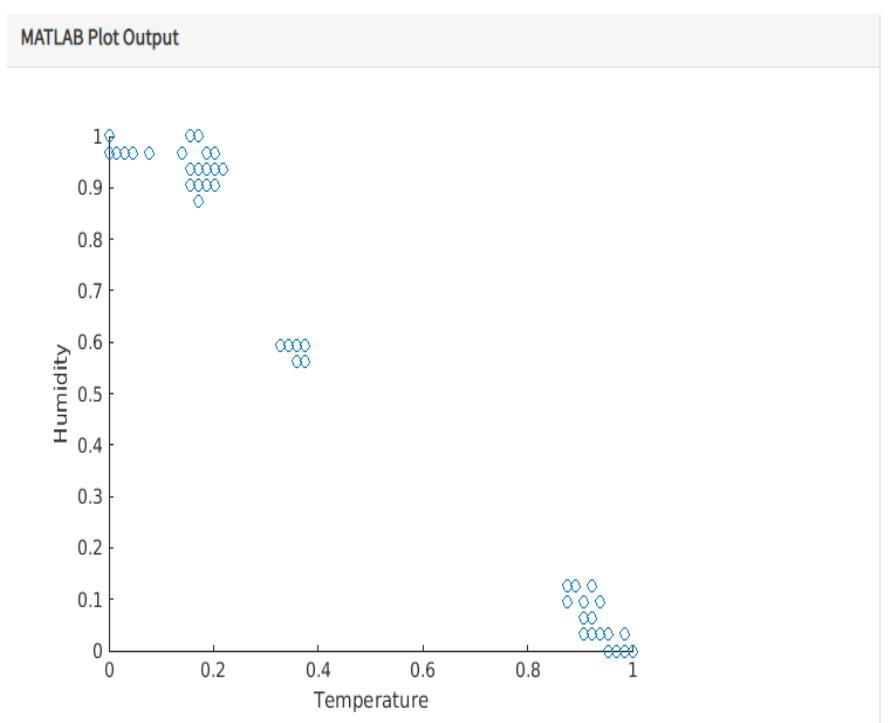


Radio Communication Between Master & Slave Circuits using NRF24L01 Transceiver Module



Matlab Output:

At 3.30 pm



At 4.00 pm

