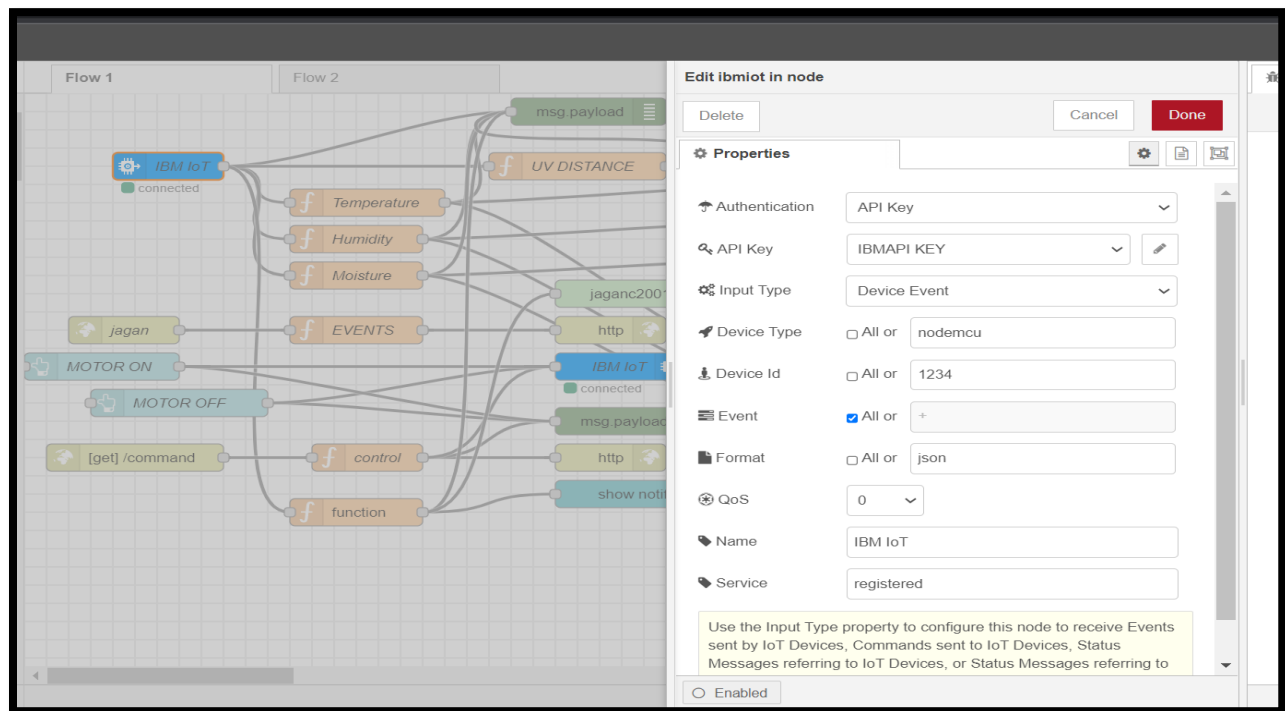


SPRINT-1

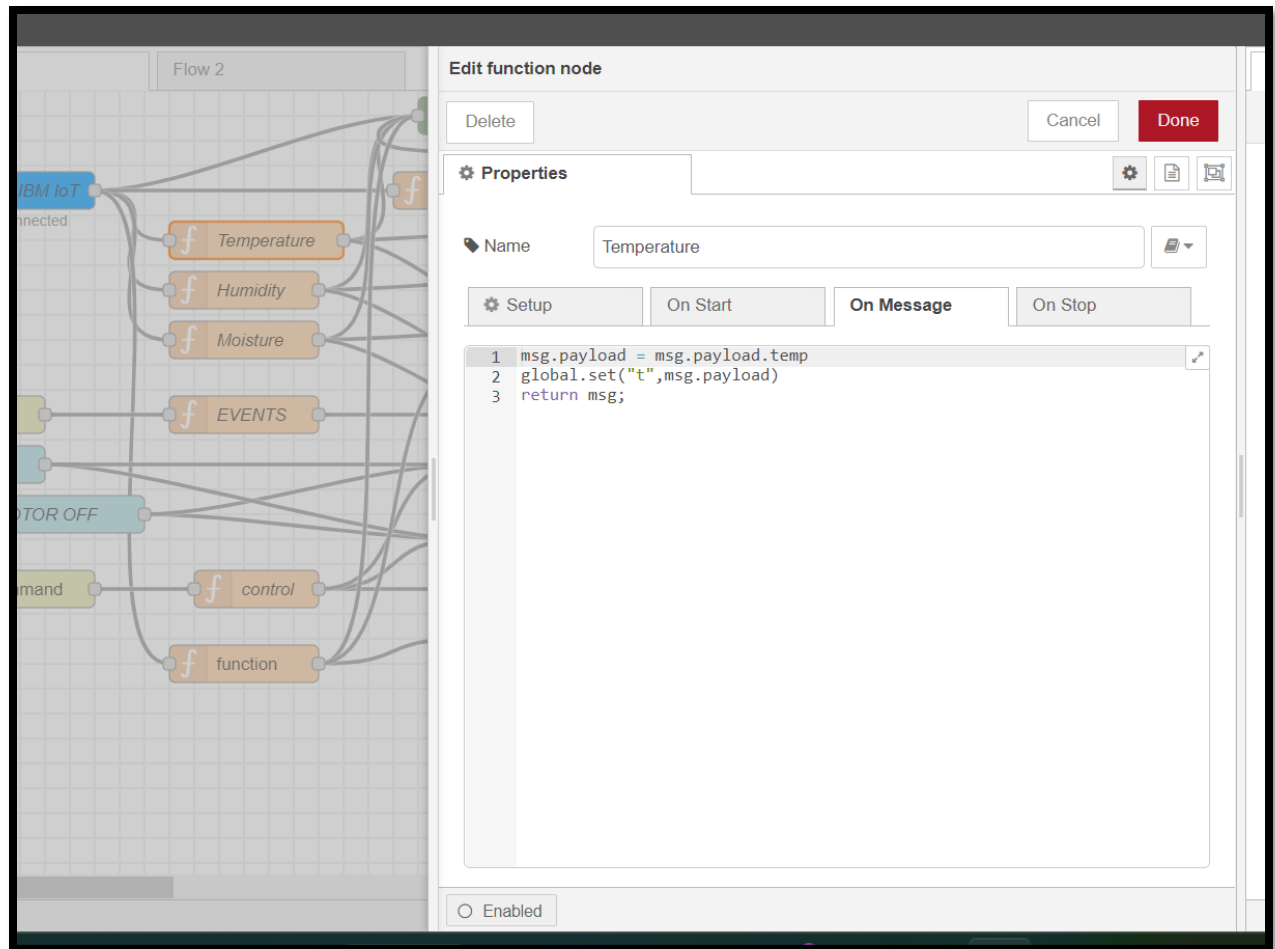
Date	29 th OCTOBER 2022
Team ID	PNT2022TMID35809
Project Name	Project - IOT based Smart Crop Protection for Agriculture

NODE RED CONNECTIONS AND LINKS:

- 1) NODE RED CONNECTION TO RECEIVE THE STORED DATA FROM IBM WATSON IOT PLATFORM



2) TEMPERATURE VALUES FUNCTION BLOCK:



3) HUMIDITY VALUES FUNCTION BLOCKS:

Flow 2

Temperature

Humidity

Moisture

EVENTS

control

function

Edit function node

Delete Cancel Done

Properties

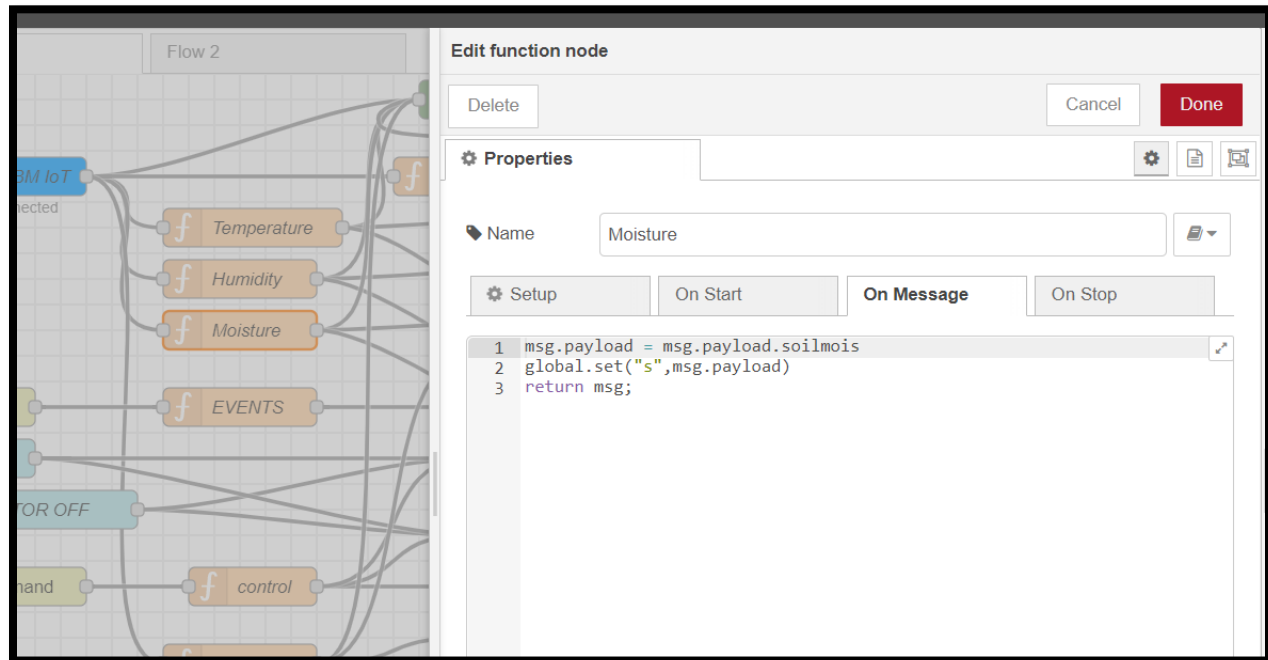
Name Humidity

Setup On Start **On Message** On Stop

```
1 msg.payload = msg.payload.humid
2 global.set("h",msg.payload)
3 return msg;
```

Enabled

4) MOISTURE VALUES FUNCTION BLOCKS:



5). EMAIL NODE TO SEND THE INFO AND ALERT TO THE USER:

The screenshot displays the IBM IoT Platform interface. On the left, a flow diagram titled 'Flow 2' shows a sequence of nodes: 'Temperature', 'Humidity', 'Moisture', 'EVENTS', 'control', and 'function'. These nodes are connected to a 'msg payload' node, which then connects to an 'http' node. The 'http' node is connected to an 'IBM IoT' node, which is marked as 'connected'. The 'IBM IoT' node is connected to a 'msg.payload' node, which then connects to a 'show notification' node. On the right, the 'Edit email node' configuration window is open. It contains the following fields and options:

- Delete** button
- Cancel** button
- Done** button
- Properties** tab
- To**: jaganc2001@gmail.com
- Server**: smtp.gmail.com
- Port**: 465
- Use secure connection.** (checked)
- Userid**: jaganc2001@gmail.com
- Password**:
- TLS option**: ☒ Check server certificate is valid
- Name**: Name

6). OVERALL CONNECTION TO RECEIVE THE EVENTS AND COMMAND THE IOT SYSTEM

i). IBM WATSON DATA IS COLLECTED.

ii). DASHBOARD CONNECTION FOR DISPLAYING THE REPORT.

iii). CONNECTION TO LINK THE MOBILE APP TO ANALYSE THE REPORT.

iv). COMMAND NODE TO CONTROL THE IOT SYSTEM IS DONE.

v). THE E-MAIL AND NOTIFICATION NODE IS TO SHOW INFO.

