Report on project:

Project Scope:-

- To developed an UI for farmers, which enable them to monitor real time field parameters such as humidity, temperature and moisture, and control motor to irrigate their land.

- This UI is build using node red, and IBM cloud is used to store data from IBM Watson iot simulator(virtual sensor).

- This UI would greatly help farmers to irrigate their land properly, effectively and from anywhere around the world.
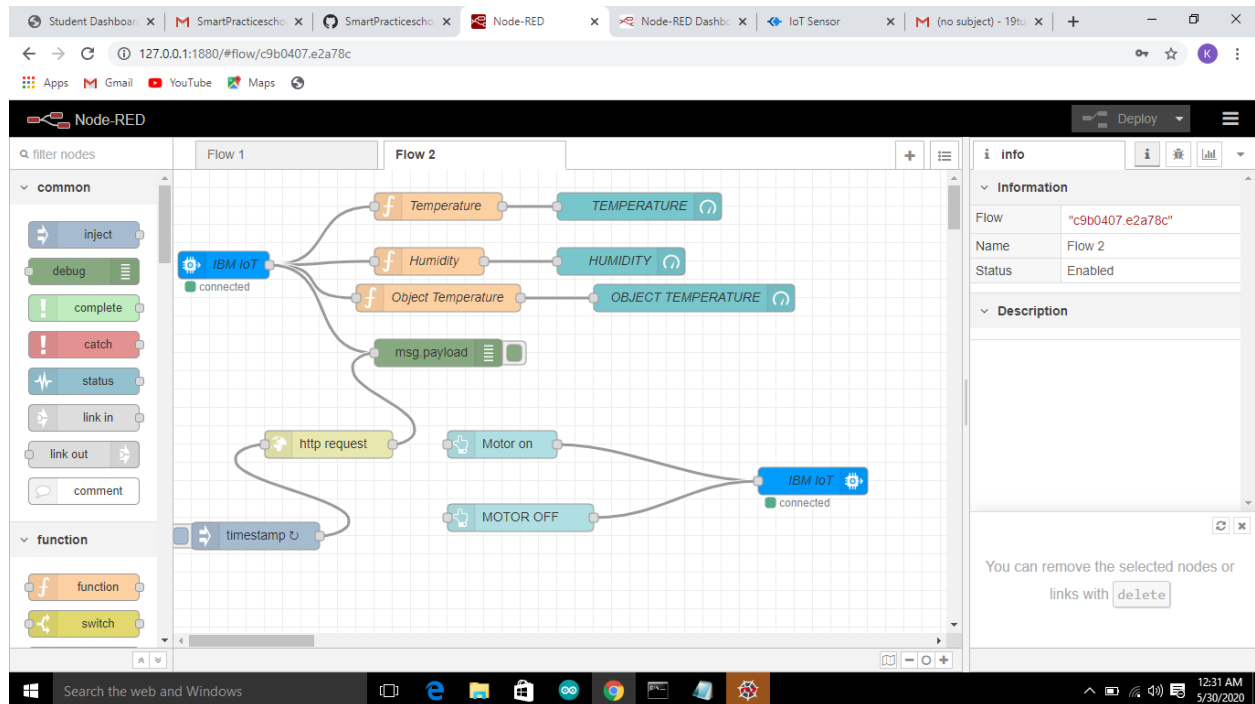
Deliverables:-

- The complete UI developed to monitor and control agricultural field would be delivered with the required codes and project report.
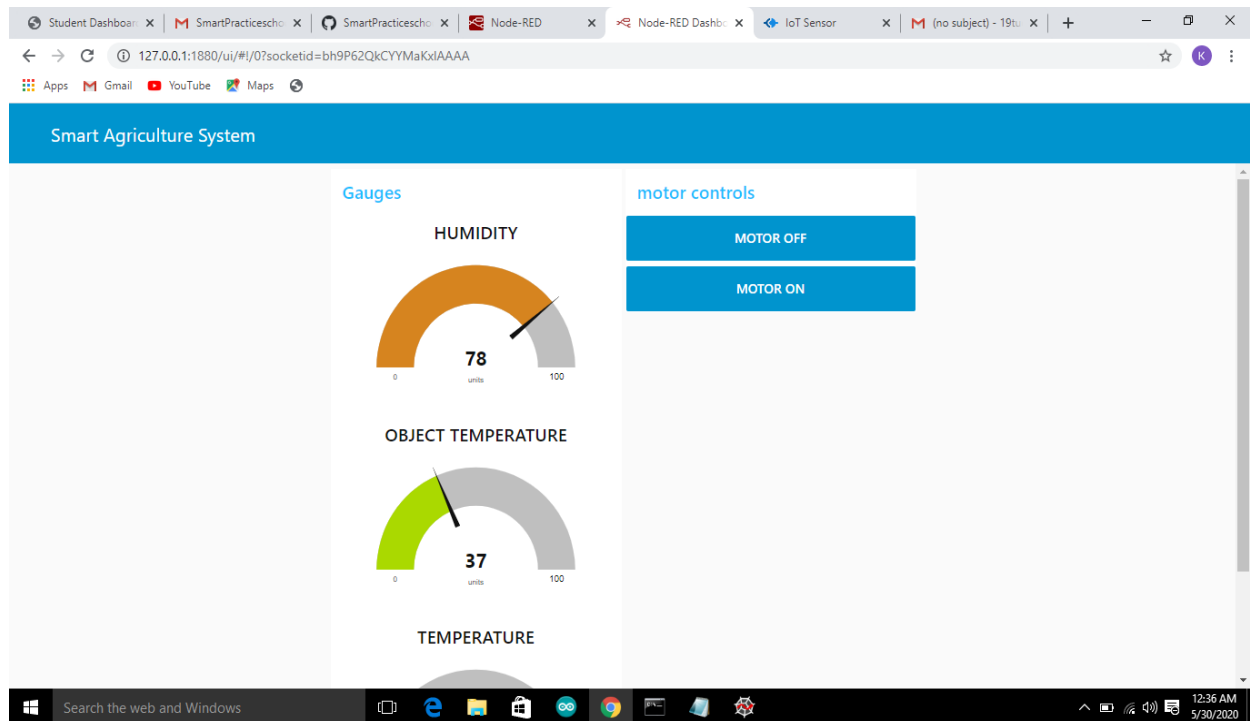
Project Schedule:-

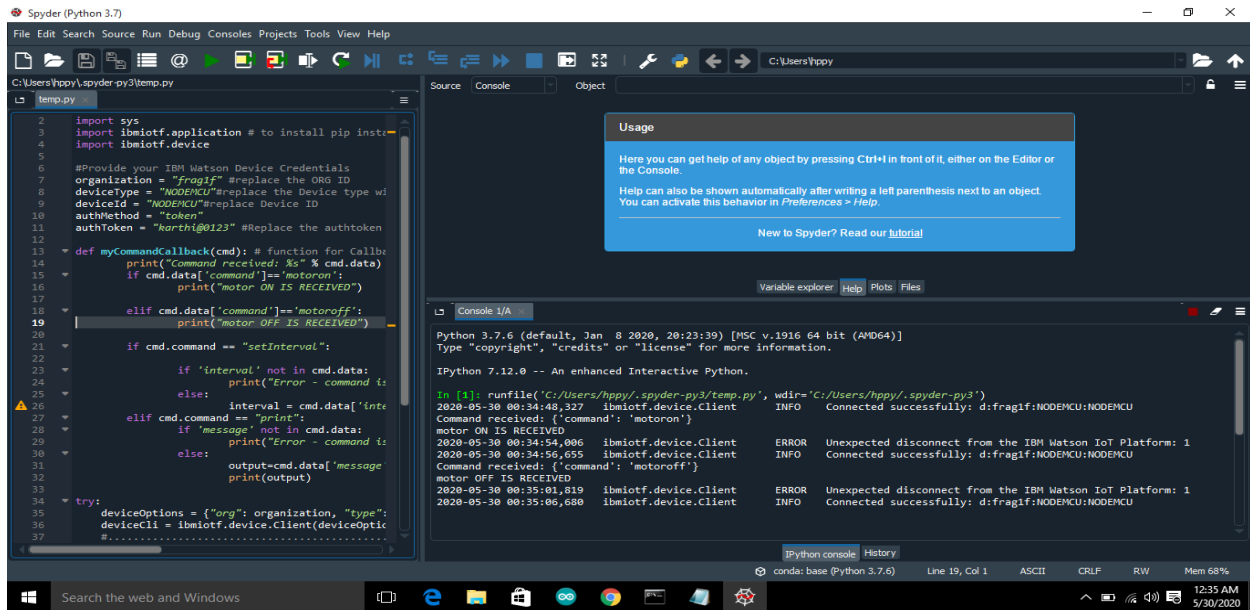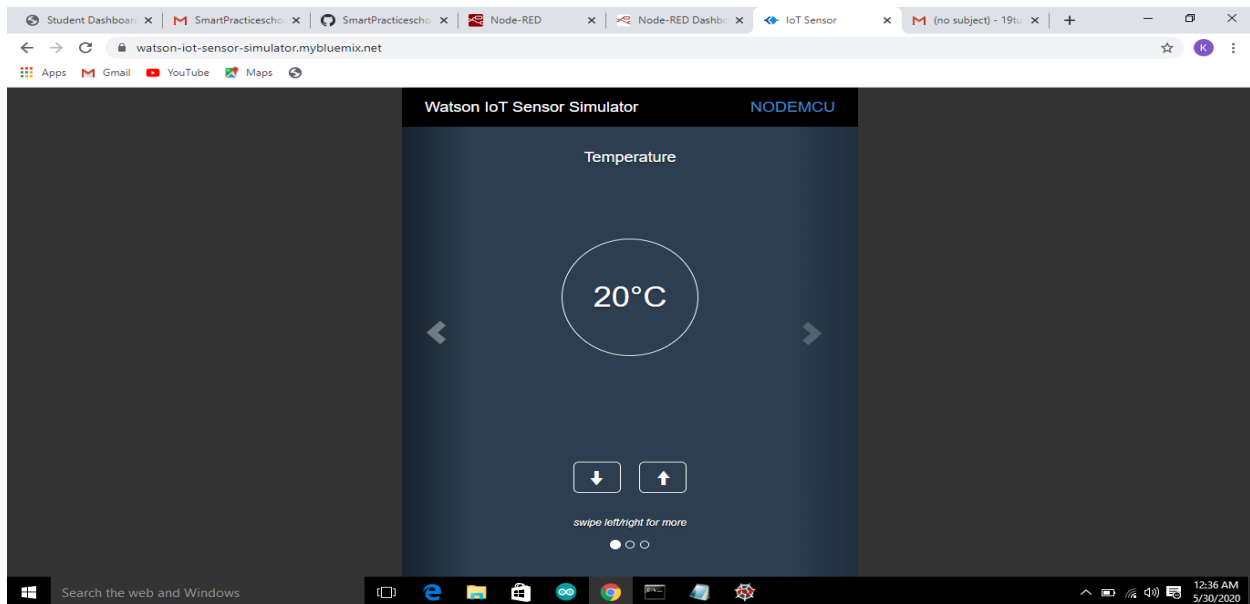| WEEK 1 | WEEK 2 | WEEK 3 | WEEK 4 |
|---|---|---|---|
| planned my project | created devices in IBM cloud | started working with node red | started to prepare reports on zoho writer |
| set up the development environment | installed node red locally | configured IBM iot sensor and node red UI | pushed my files to github repository |
| created accounts in ibm cloud | installed the required nodes | downloaded python idle and ran the code | recorded the feedback video |
| | | | |

# Smart Agriculture system based on IoT

## NODERED -



## NODERED UI



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# Smart Agriculture system based on IoT

## PYTHON ILDE RECIEVING COMMANDS FROM NODERED UI



## IBM WATSON IOT SIMULATOR

youtube video link:-



https://youtu.be/HG7cKo18o6Y

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# Smart Agriculture system based on IoT