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:-

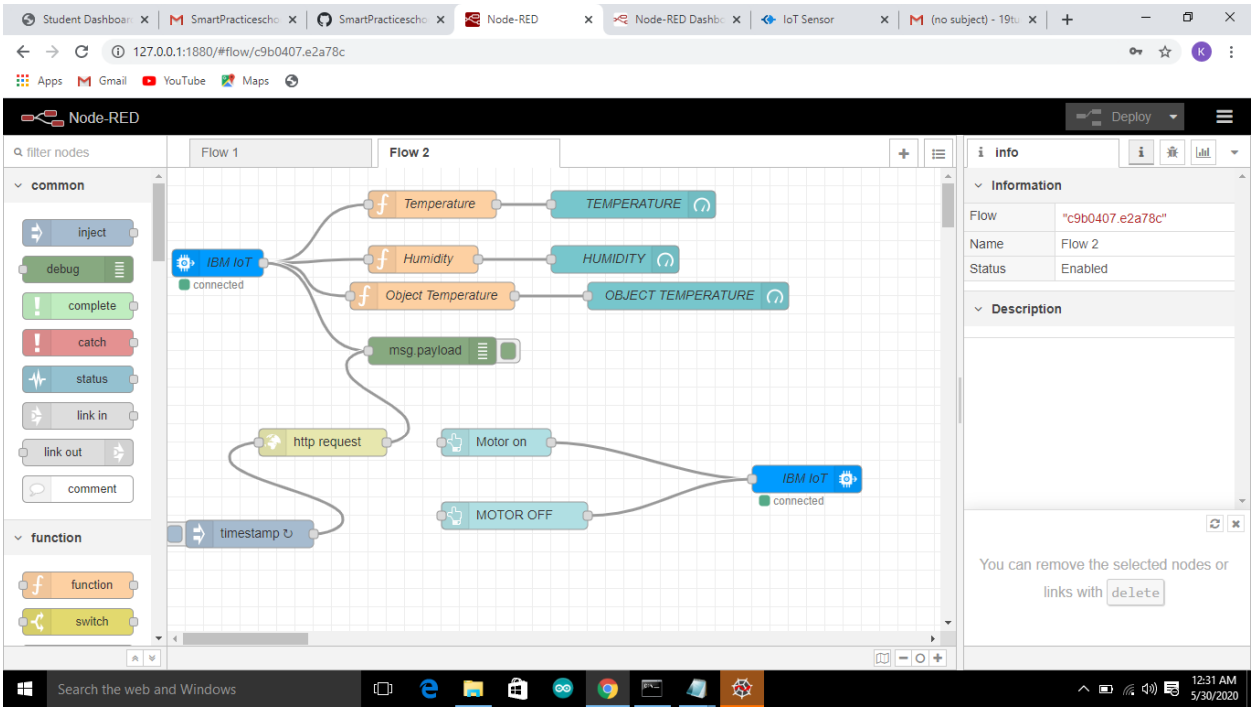
- The complete UI developed to monitor and control agricultural field would be delivered with the required codes and project report.

Project Schedule:-

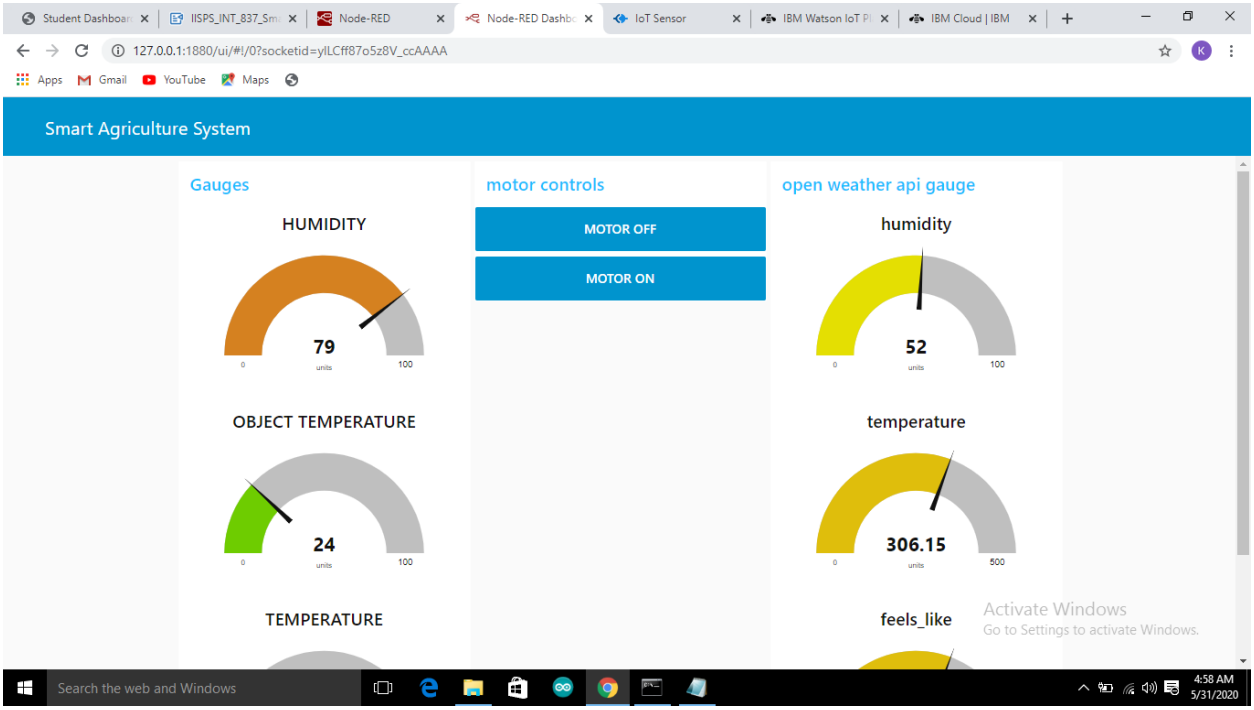
WEEK 1	WEEK 2	WEEK 3	WEEK 4
planned my project	created devices in IBM cloud	started working with node red	started to prepare reports on zoho writer
set up the development environment	installed node red locally	configured IBM iot sensor and node red UI	pushed my files to github repository
created accounts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

Smart Agriculture system based on IoT

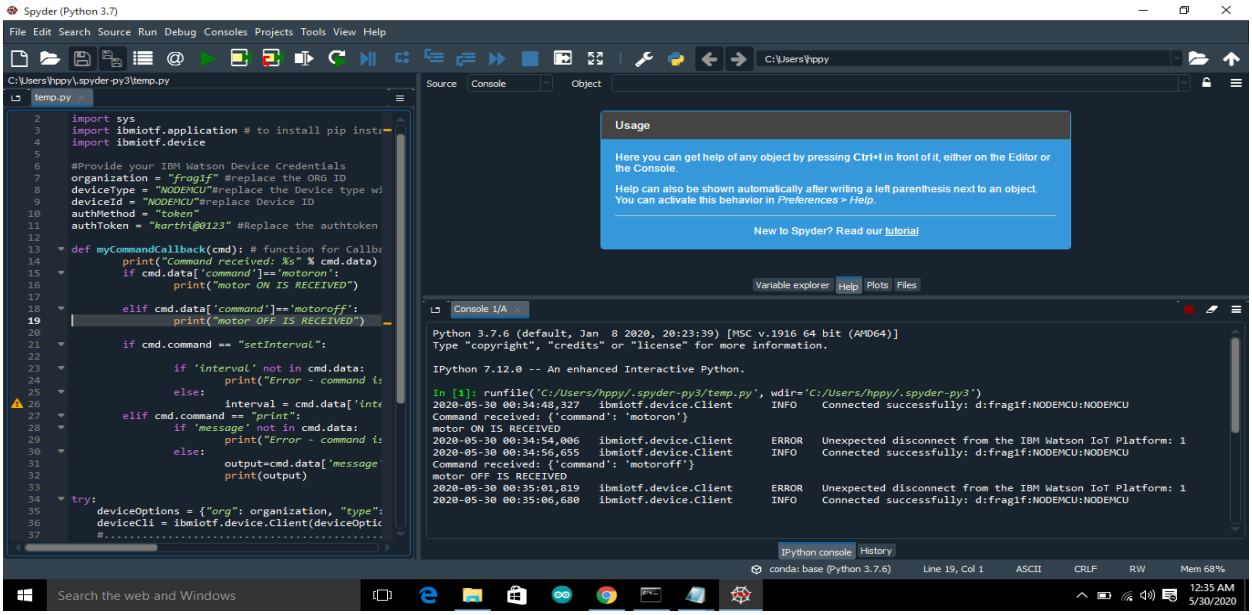
NODERED -



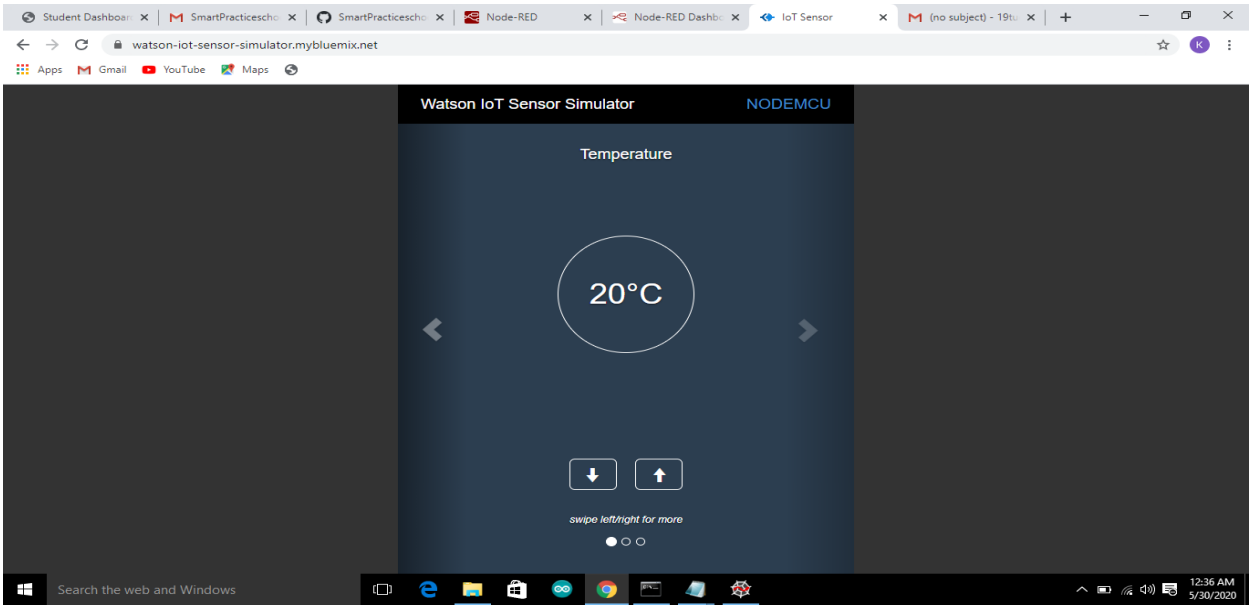
NODERED UI



PYTHON ILDE RECIEVING COMMANDS FROM NODERED UI



IBM WATSON IOT SIMULATOR



youtube video link:-

https://youtu.be/08mKFvU9eDE

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