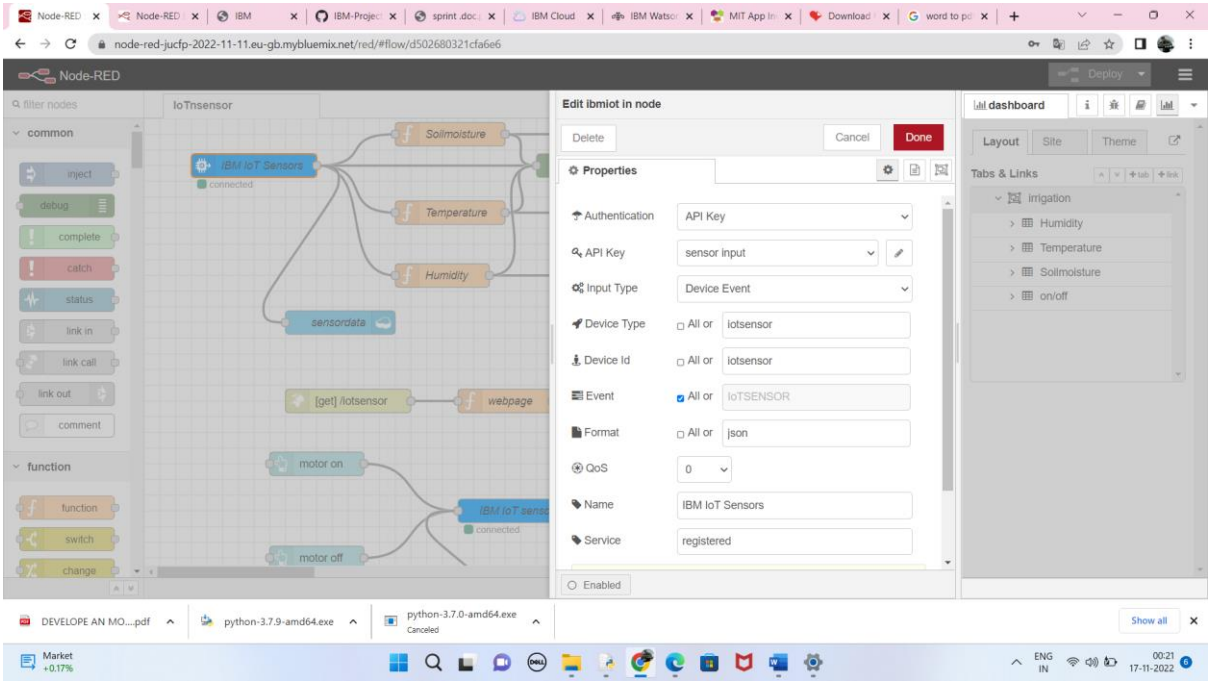
Sprint-3

Team ID	PNT2022TMID32030
Project Name	SMART FARMER - IOT ENABLED SMART FARMINGAPPLICATION SYSTEM

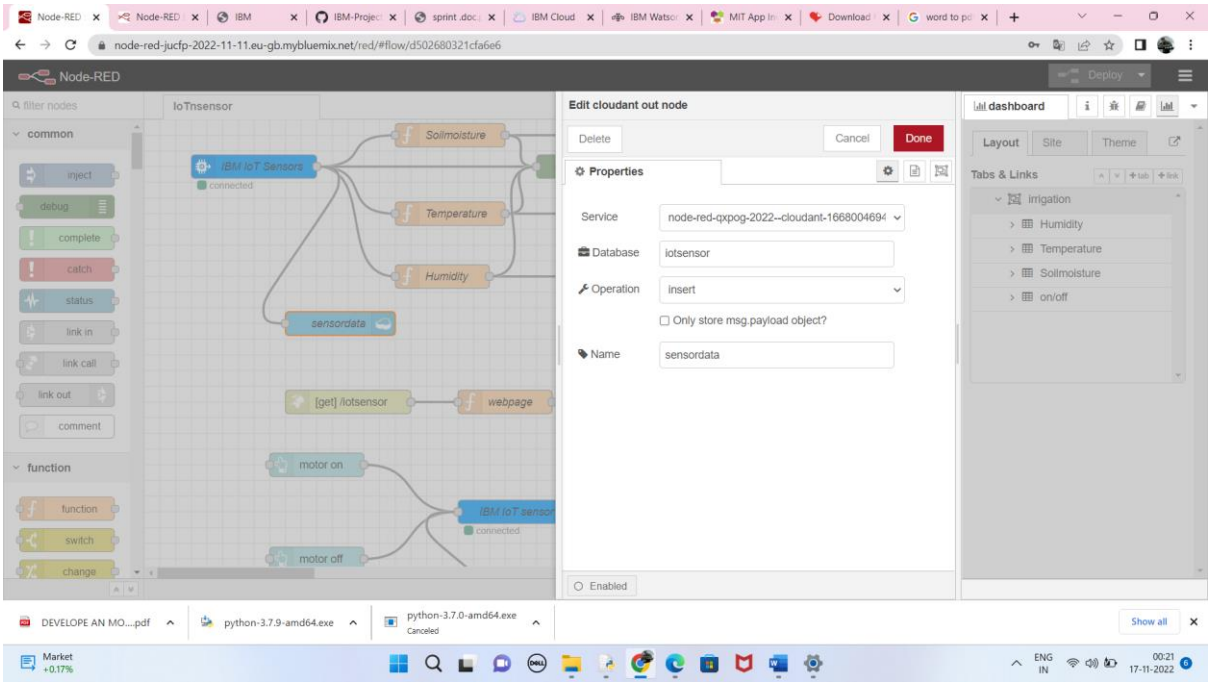
Configuration of Node-Red to send commands to IBM cloud :

- In IBM out node I used to send data from Node-Red to IBM Watson device. So, after adding it to the flow we need to configure it with credentials of our Watson device.

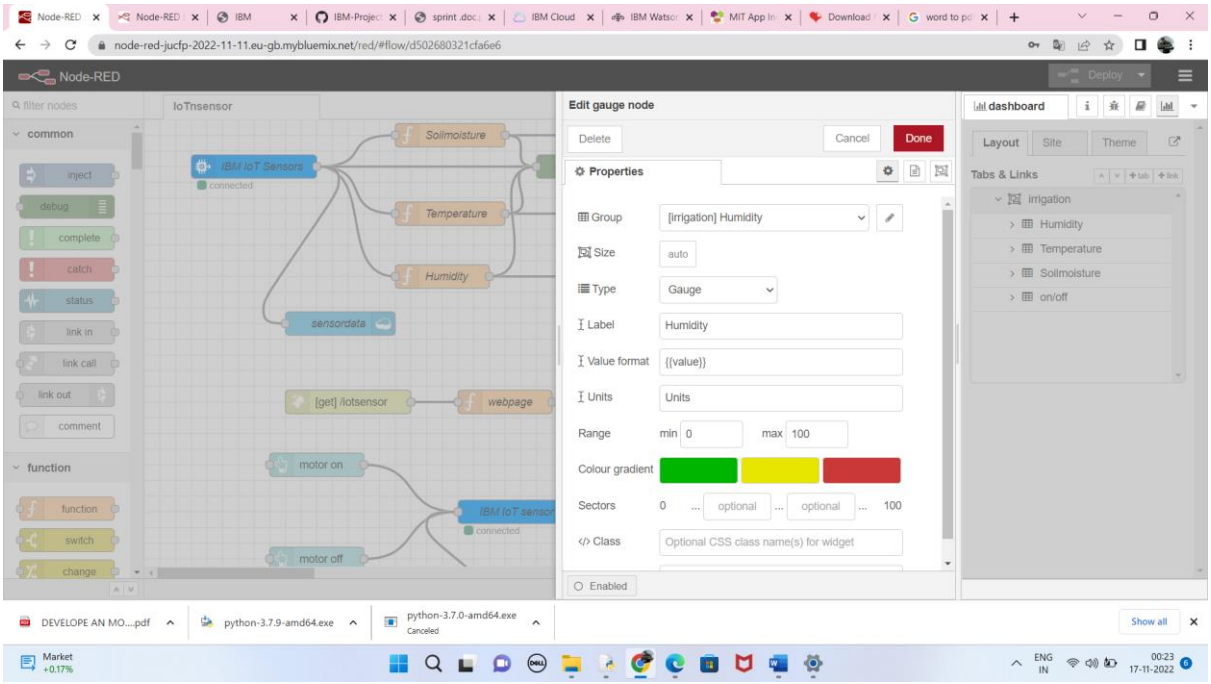


Nodered input connections from ibm Watson

CLOUD:



The cloudant connection where the data can be saved in iotsensor data packages



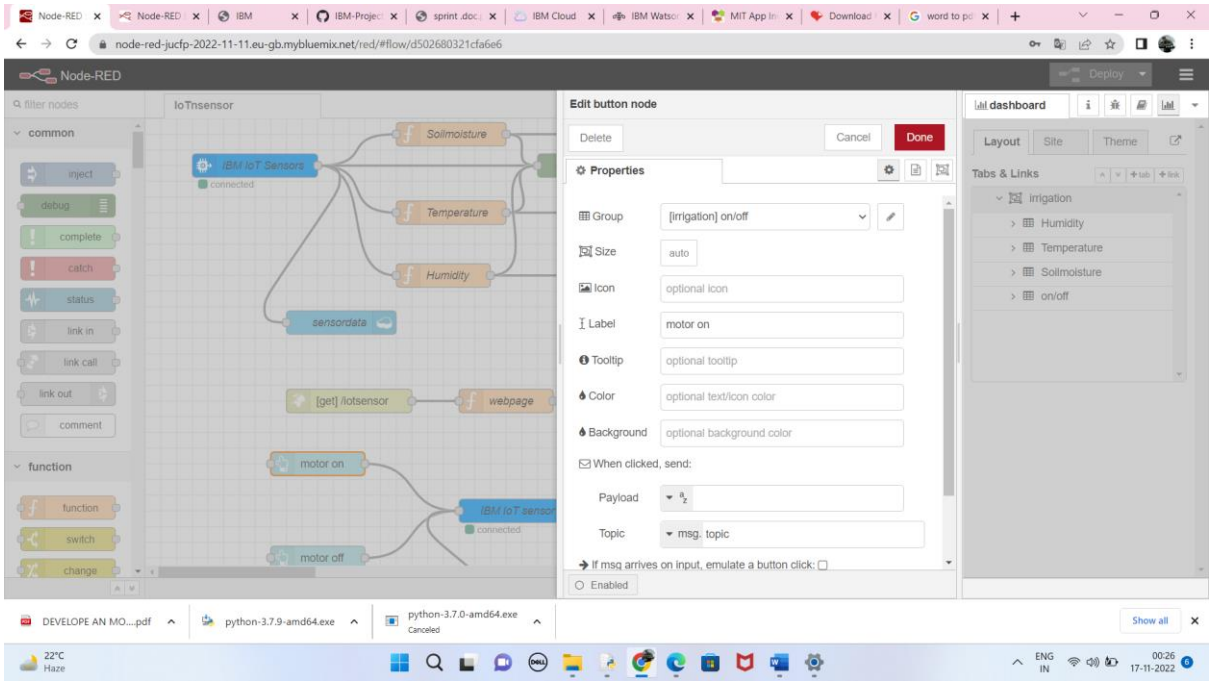
Connecting Soilmoisture,Humidity,Temperature functions with java script and connect them to the gauge and debug

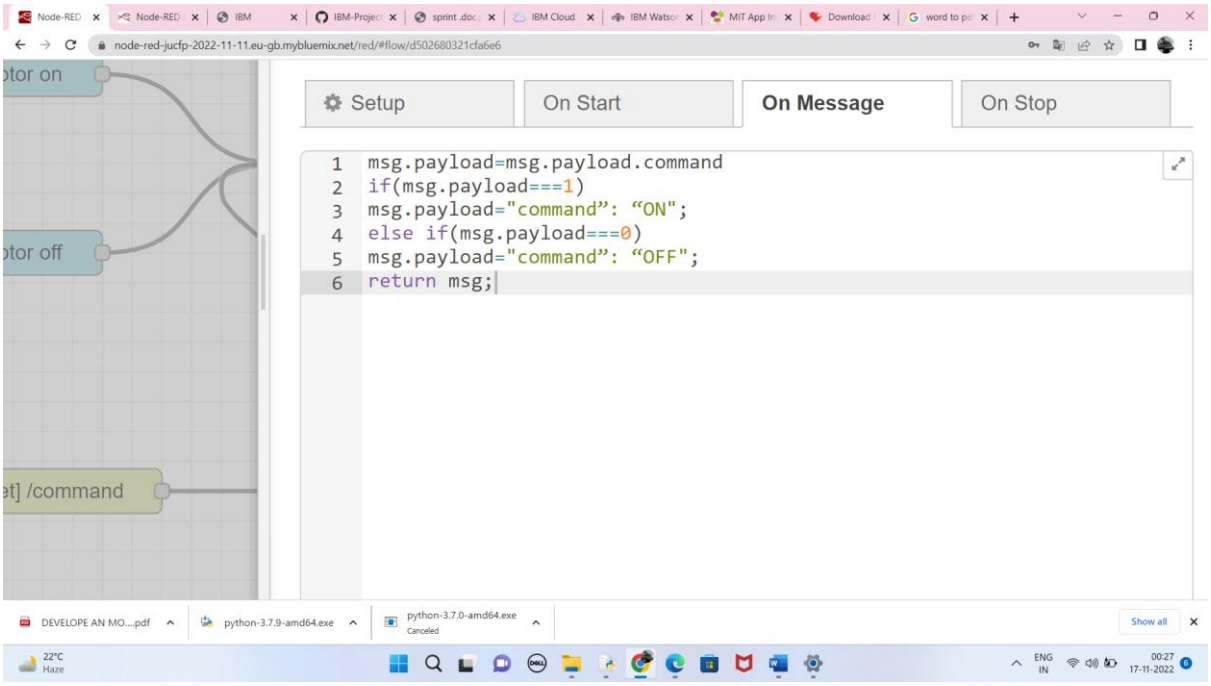
Motor button :

Two button Motor ON and OFF

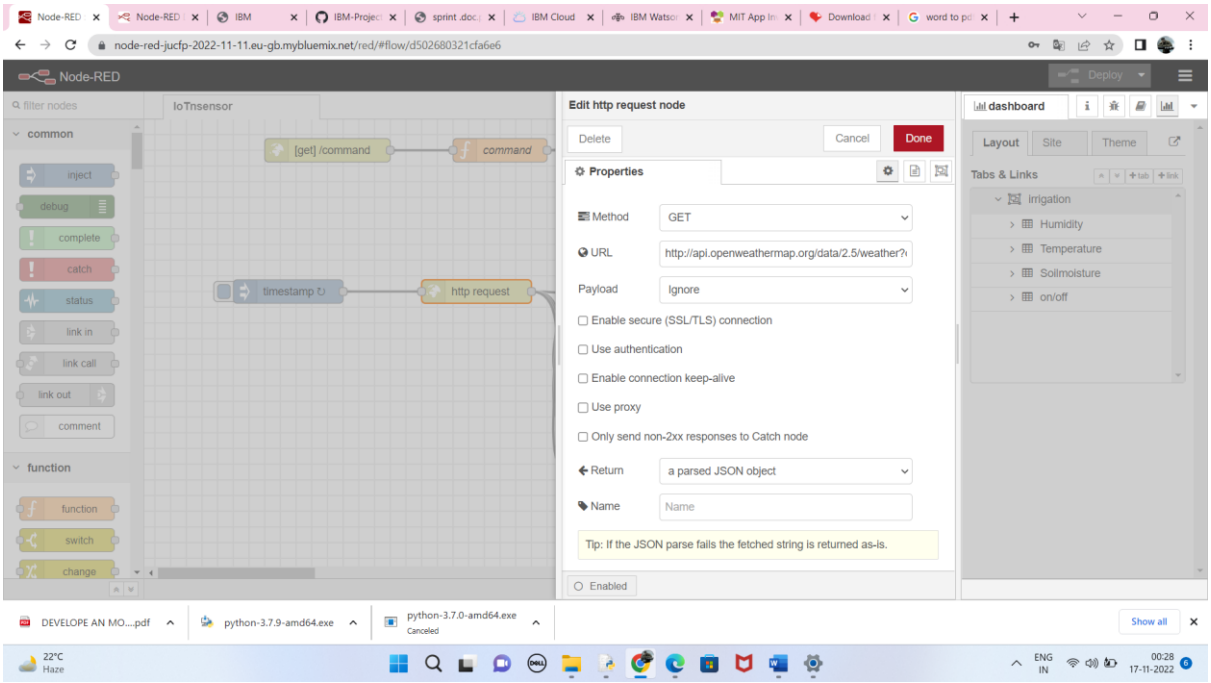
Coded with java script

```
if(msg.payload===1)
  msg.payload={"command”: “ON"};
 else if(msg.payload===0)
  msg.payload={"command”: “OFF"}
```



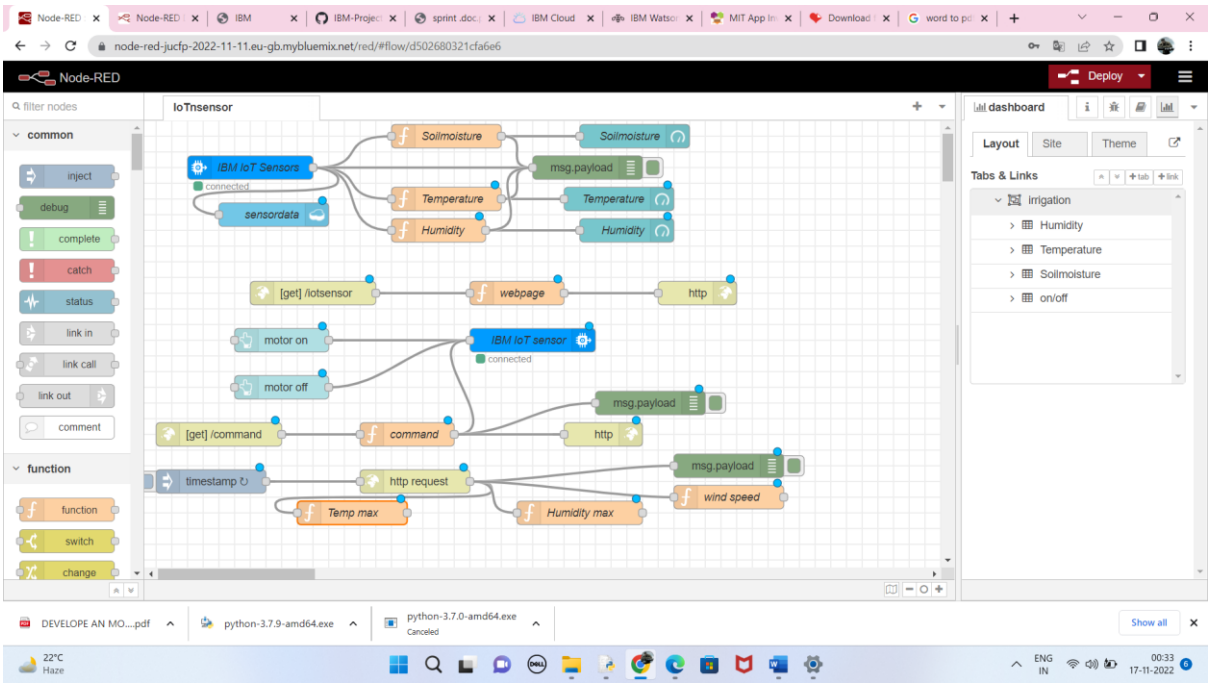


The IBM output connected to the command function for giving command to motor



The time stamp with interval connected with weather api http request to give a weather data of a particular region

COMPLETE PROGRAM FLOW:



and also developed an MIT app to show the reading and giving command