GOVERNMENT COLLEGE OF ENGINEERING

CHETTIKARAI, DHARMAPURI

SMART FARMER – IOT ENABLED SMART FARMING APPLICATION

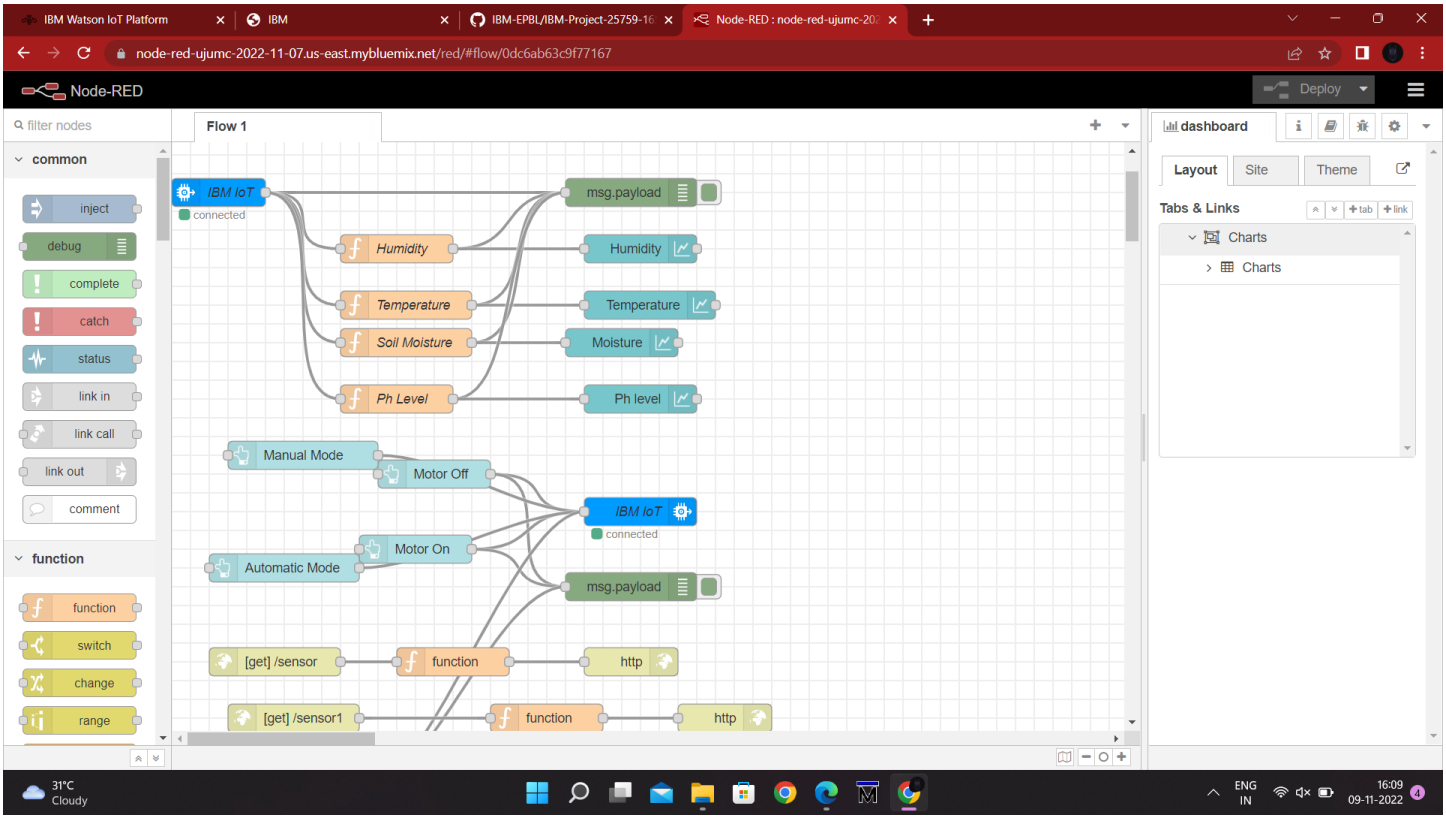
IBM NALAIYATHIRAN

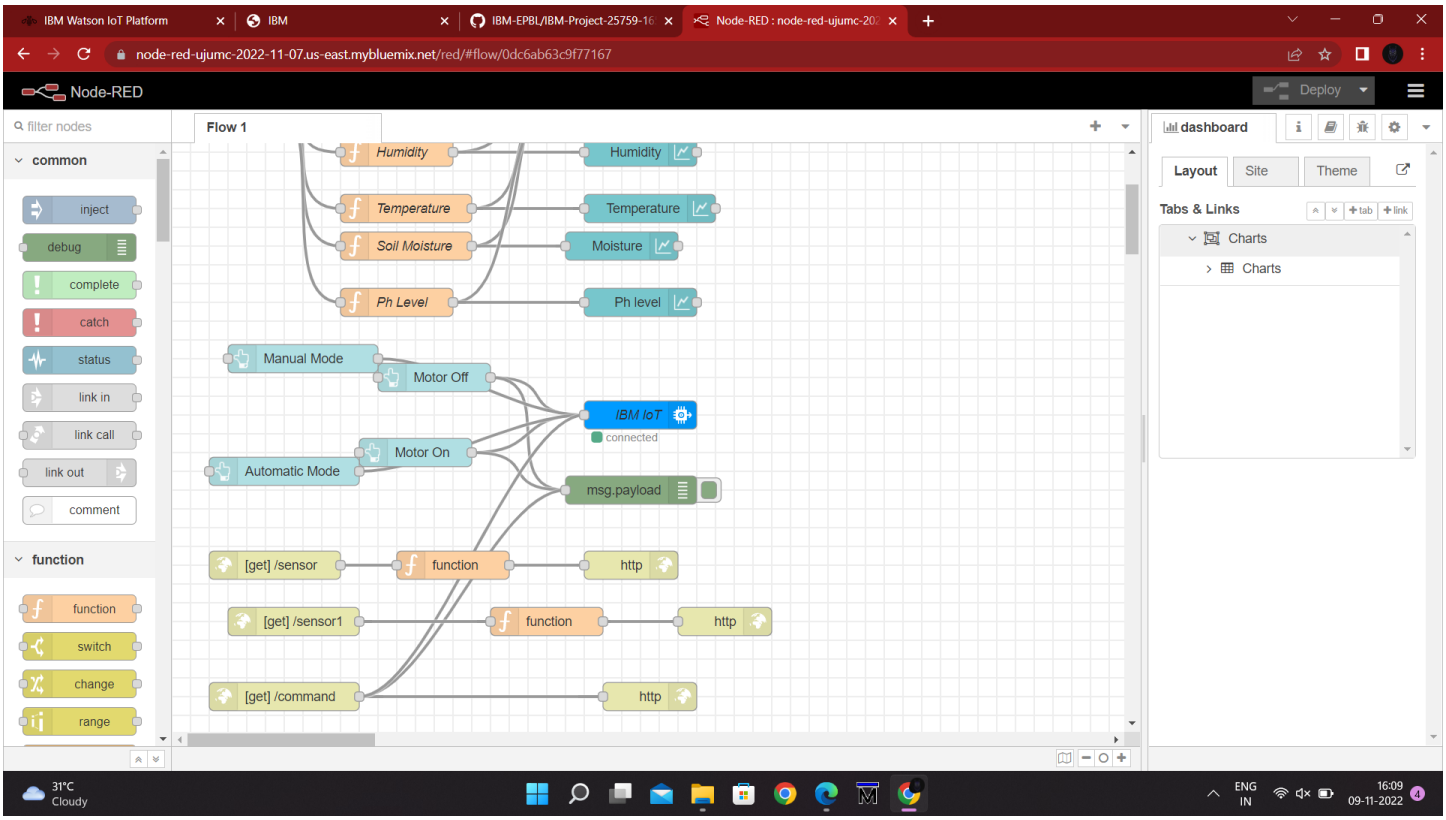
Project Development-Delivery of Sprint 2

Creating Node-Red service and connect with IBM cloud and Web UI

TITLE	Smart Farmer IoT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID41287
TEAM LEADERNAME	MITHUN SRINIVASAN S
TEAM MEMBER NAME	ARUN KUMAR M AJITH KUMAR S RAVIN G
MENTOR NAME	Dr. DINESH G

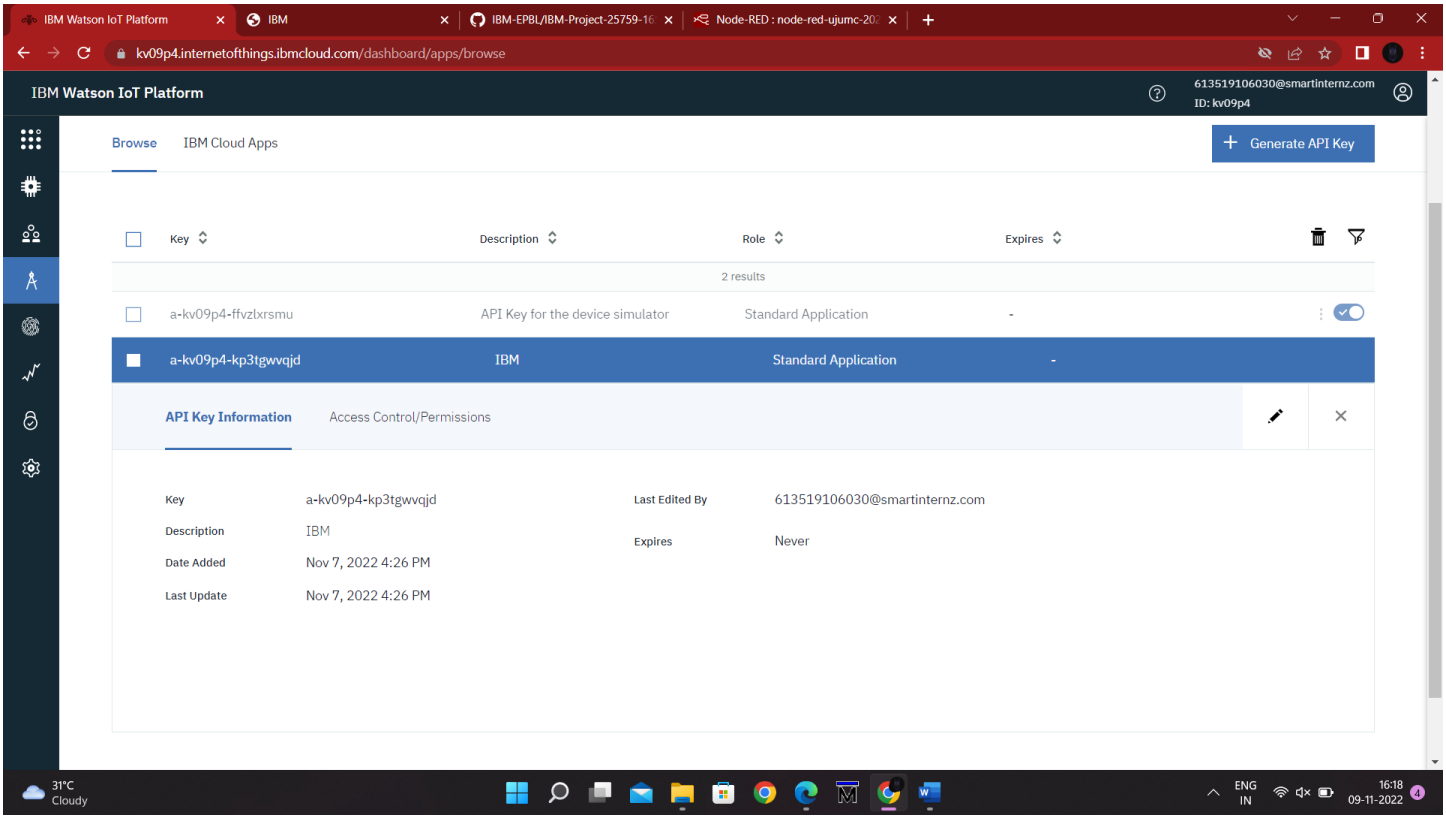
Creating Node-Red service:



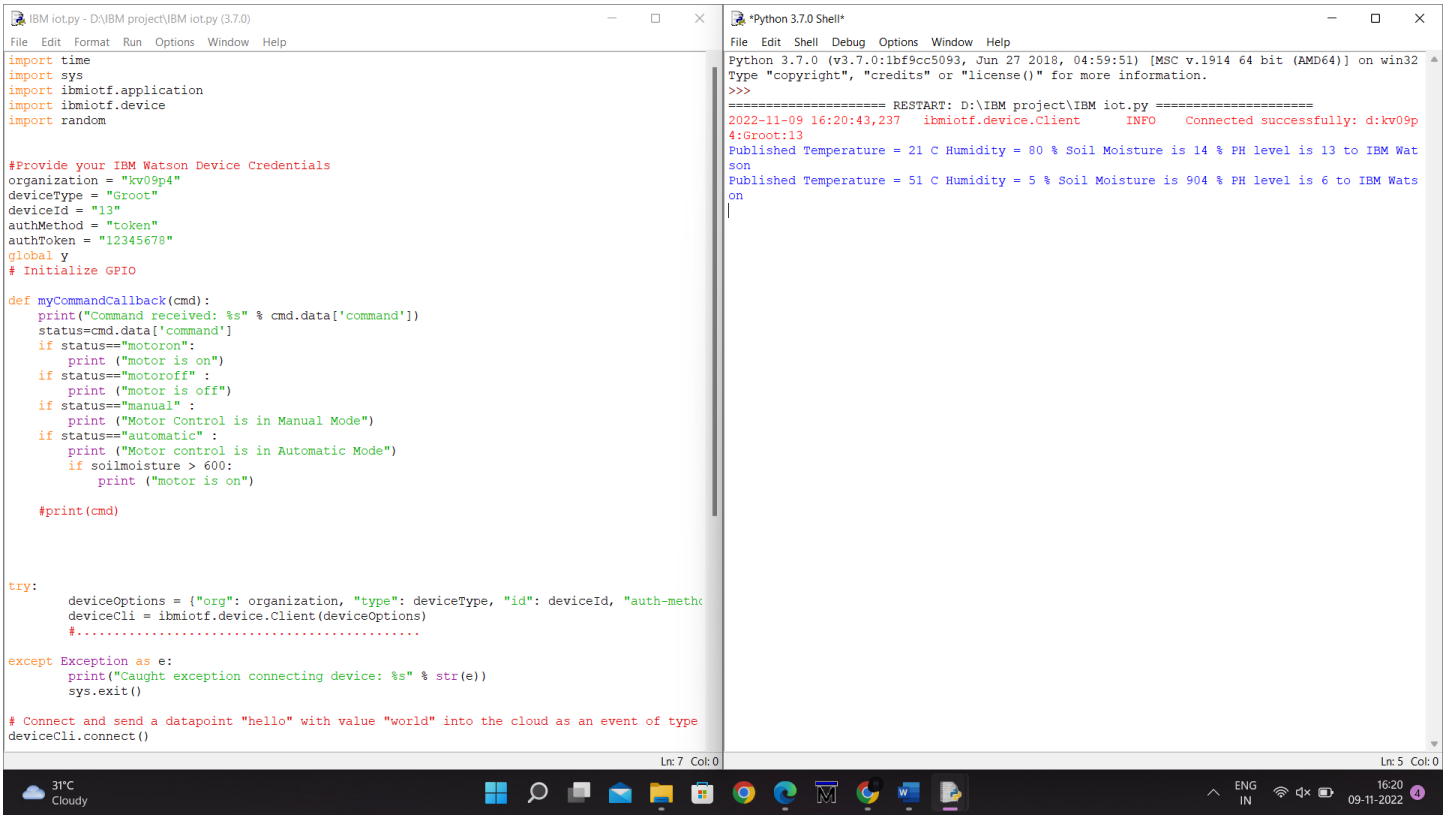


Connecting With IBM Cloud:

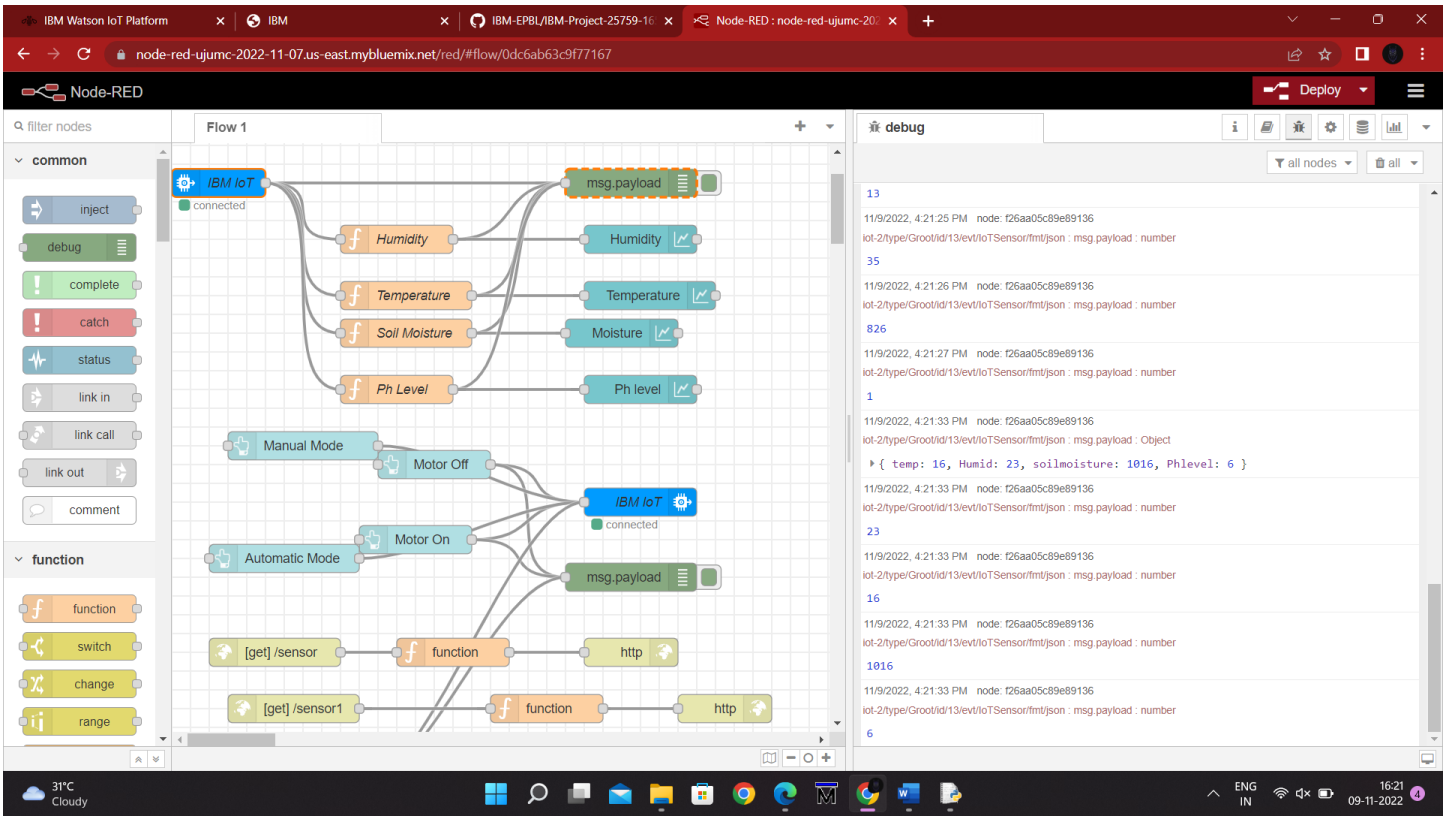
Using IBM IOT node through API key:



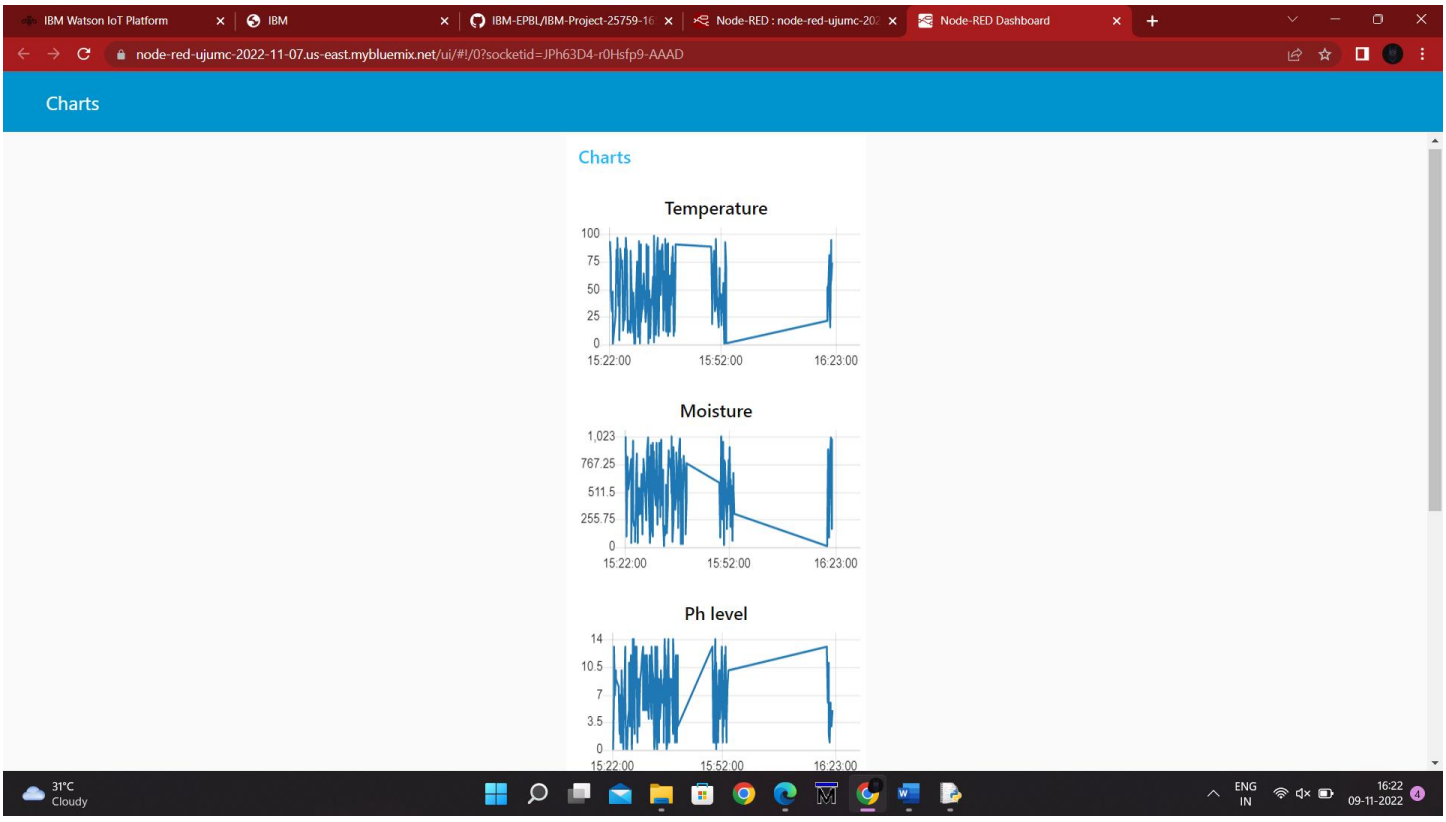
Transfering Values from Python Code:

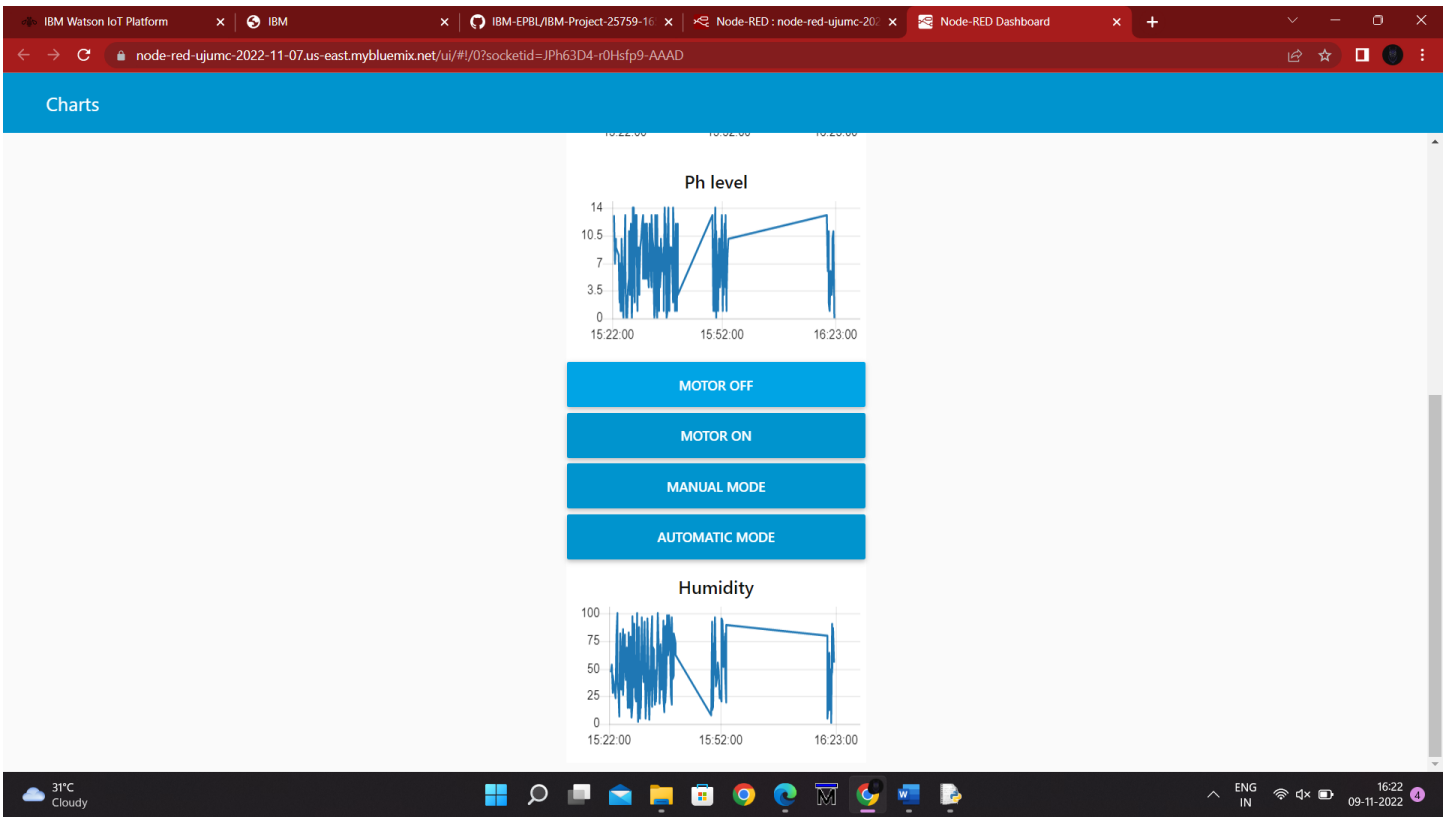


Node-Red:



Node-Red Dashboard:




IBM Watson IoT Platform
IBM
IBM-EPBL/IBM-Project-25759-16
Node-RED : node-red-ujumc-202
Node-RED Dashboard
node-red-ujumc-2022-11-07.us-east.mybluemix.net/ui/#!/0?socketid=JPh63D4-r0Hsfp9-AAAD
Charts
Ph level
14
10.5
7
3.5
0
15:22:00
15:52:00
16:23:00
MOTOR OFF
MOTOR ON
MANUAL MODE
AUTOMATIC MODE
Humidity
100
75
50
25
0
15:22:00
15:52:00
16:23:00
31°C
Cloudy
ENG
IN
16:22
09-11-2022