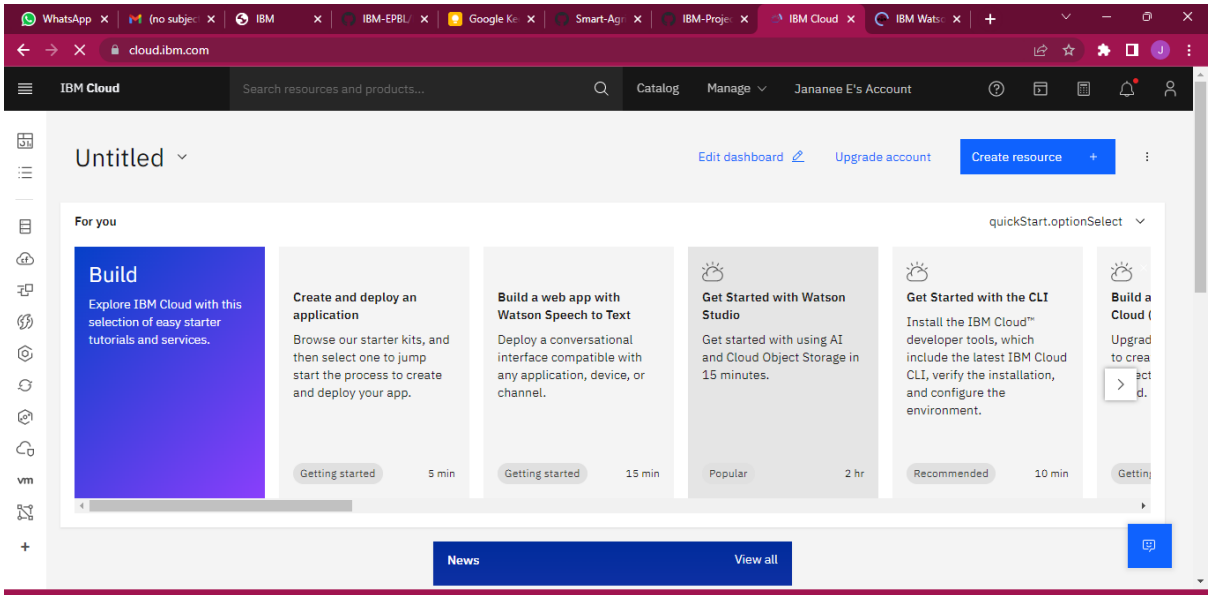
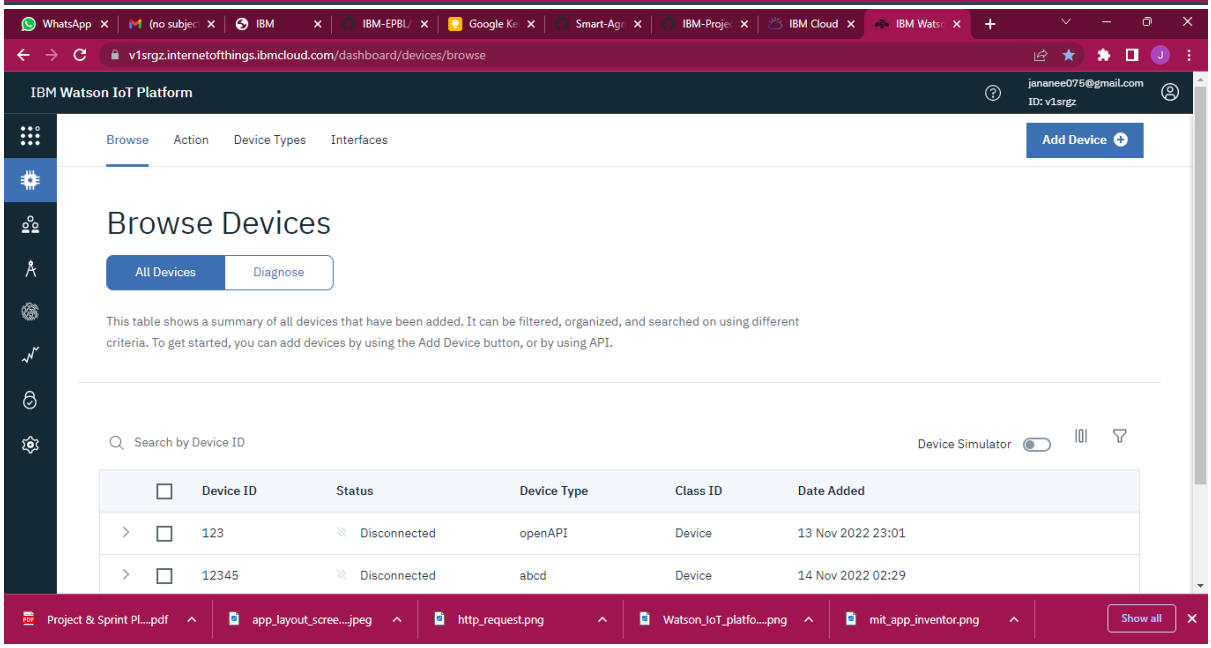
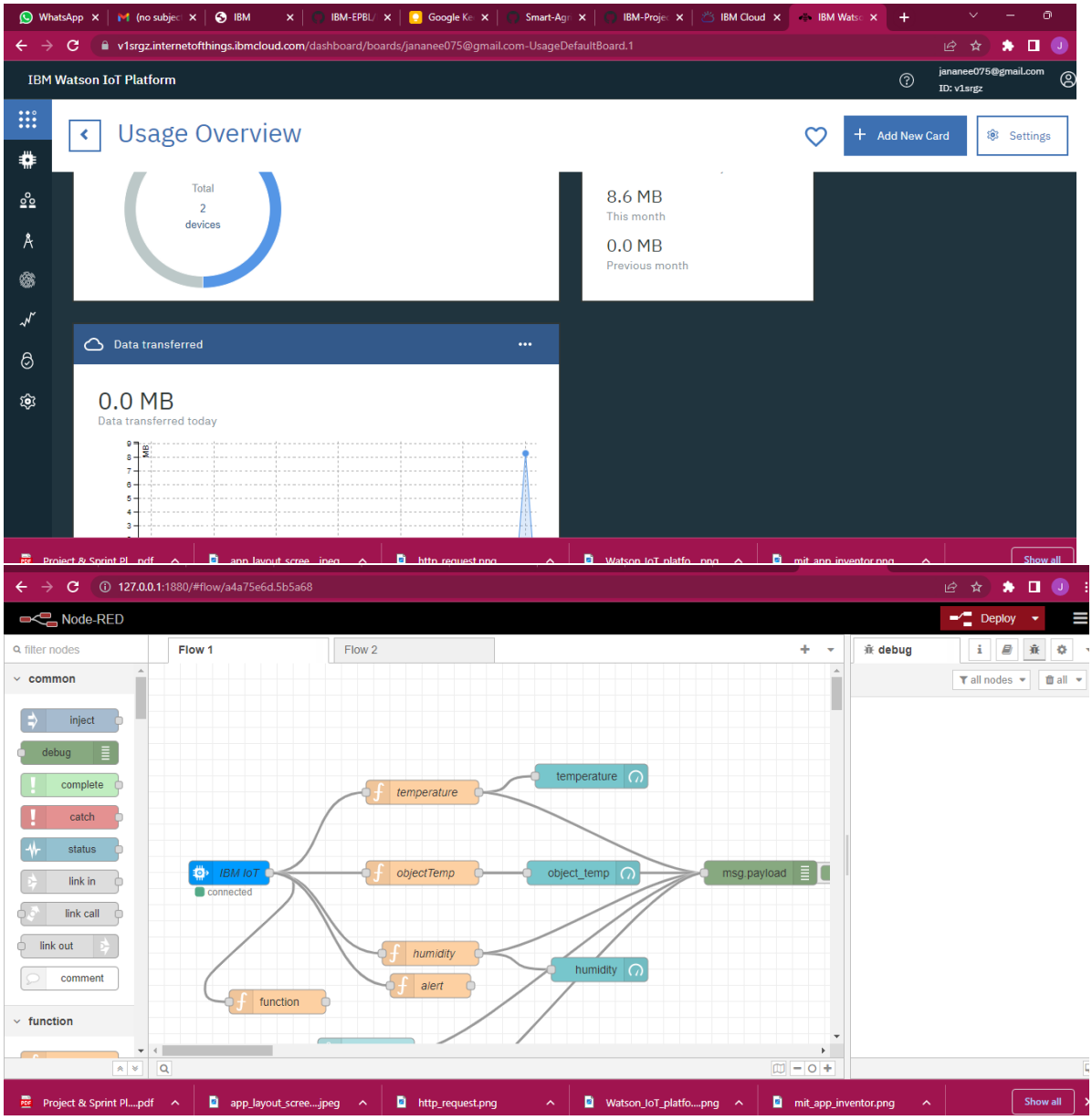
Date	21 October 2022
Team ID	PNT2022TMID21901
Project Name	Project – Smart Farmer- IoT based Smart Farming Application
Maximum Marks	8 Marks

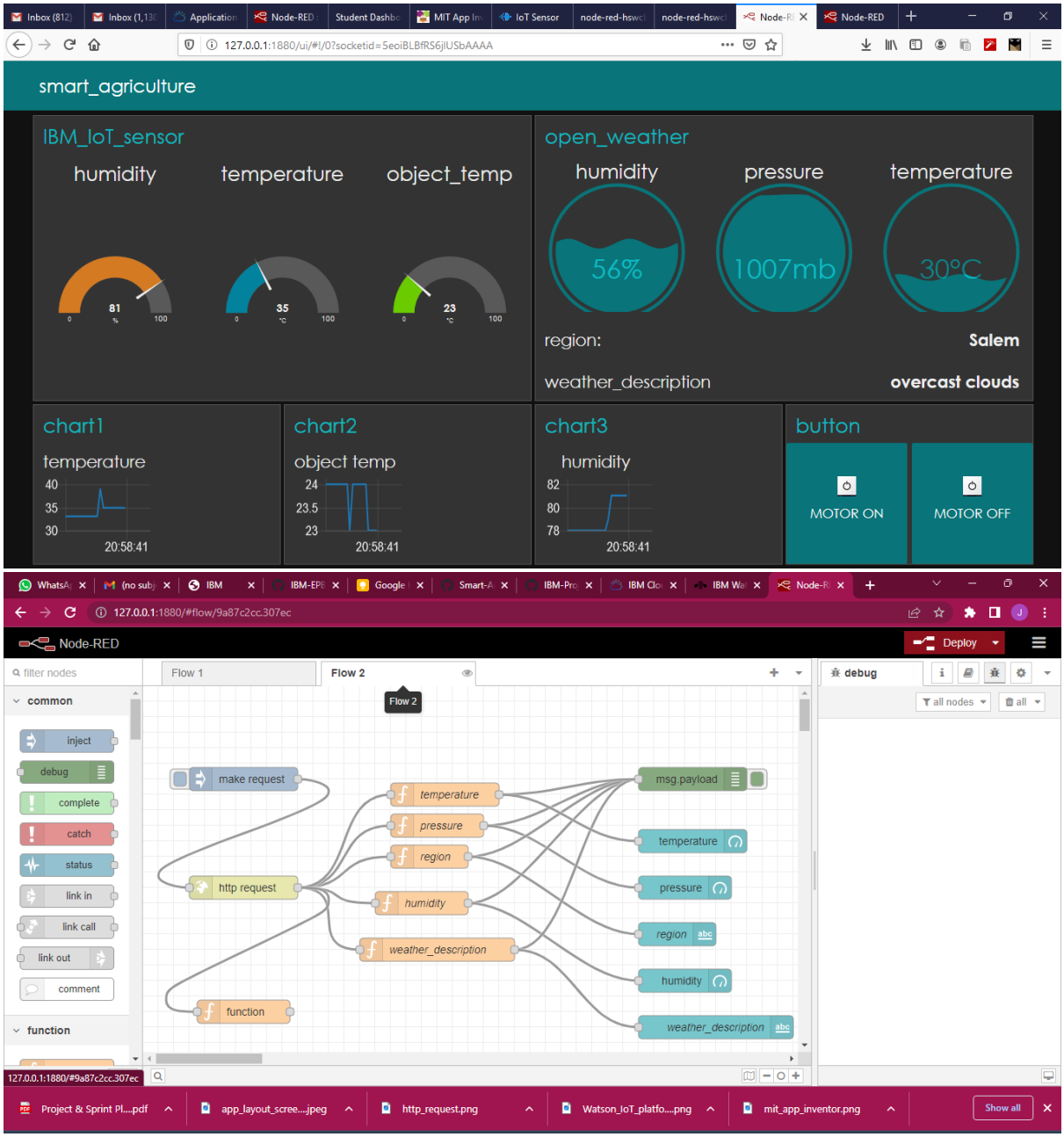
Sprint-2:

Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red

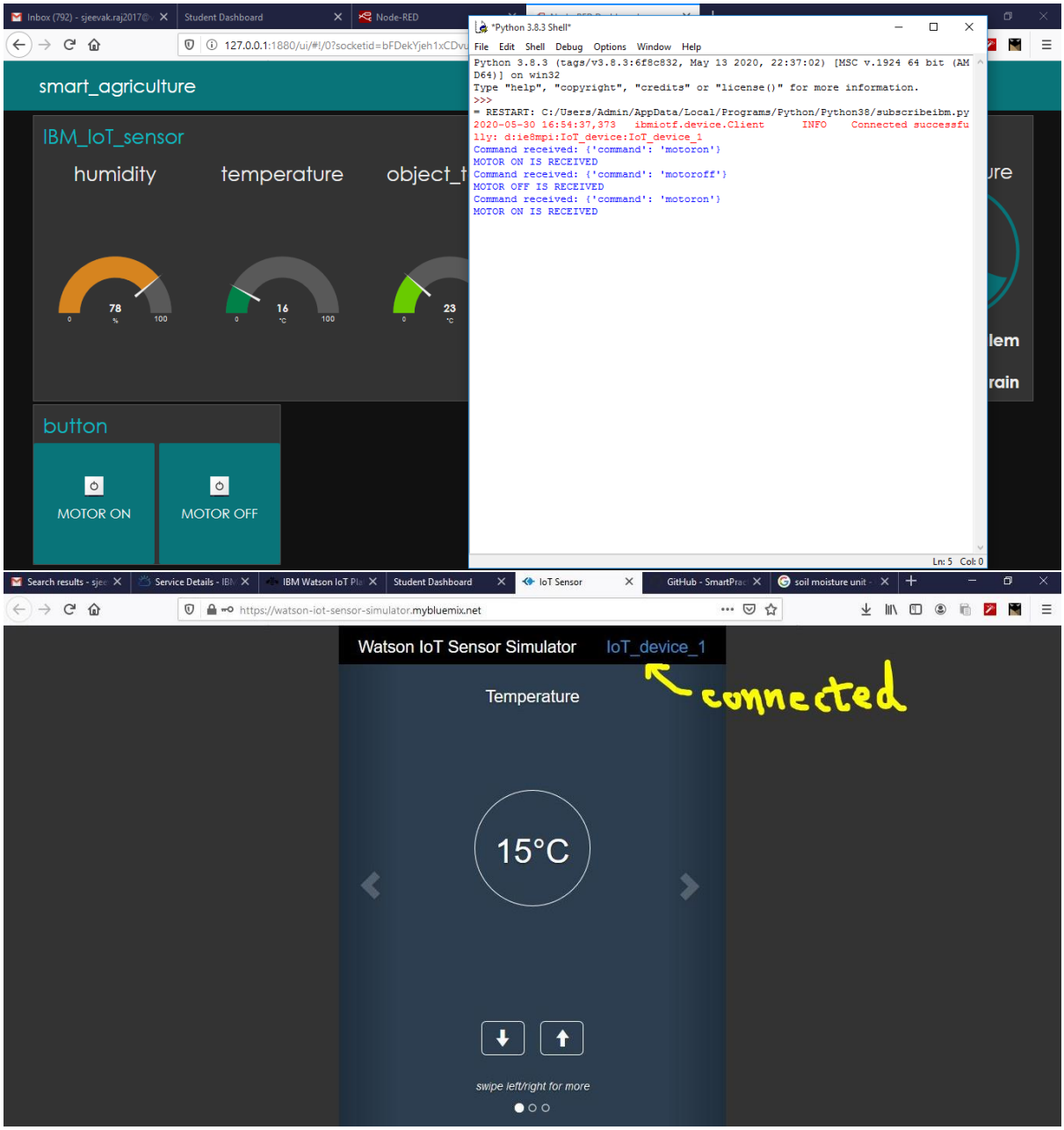


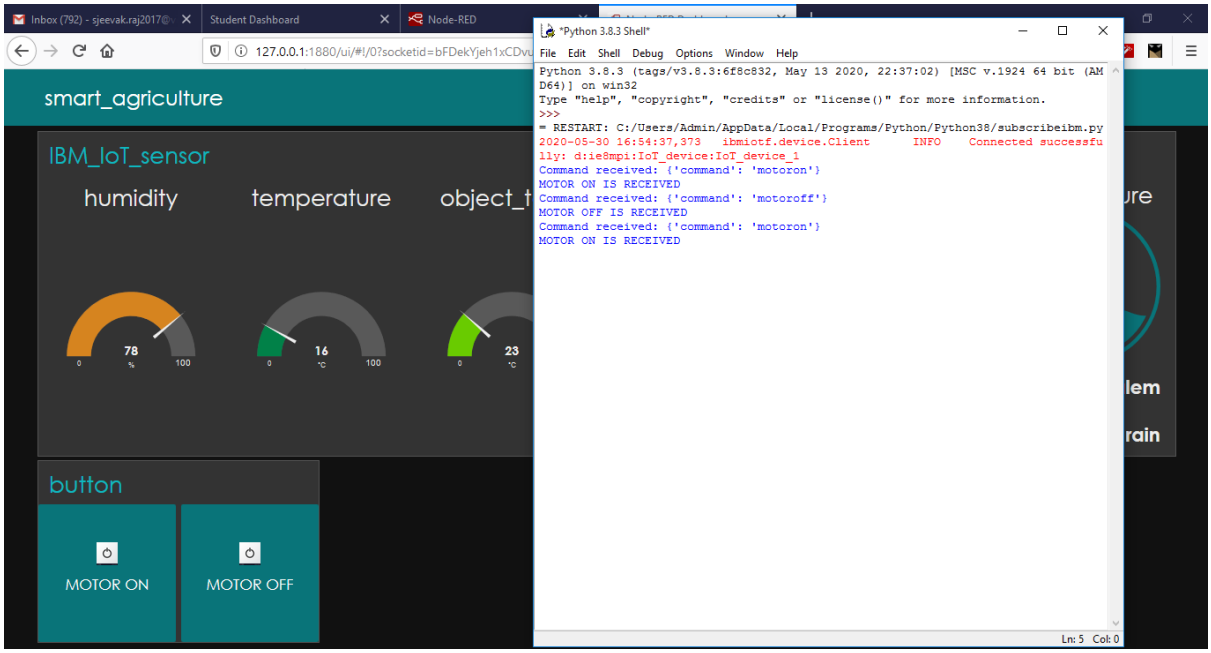



IBM Watson IoT Platform
Usage Overview
Add New Card
Settings
Total
2
devices
8.6 MB
This month
0.0 MB
Previous month
Data transferred
0.0 MB
Data transferred today
Node-RED
Deploy
Flow 1
Flow 2
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
temperature
objectTemp
humidity
alert
IBM IoT
connected
object_temp
msg.payload
function
debug
all nodes
Show all


smart_agriculture
IBM_IoT_sensor
humidity
temperature
object_temp
81
35
23
open_weather
humidity
pressure
temperature
56%
1007mb
30°C
region:
Salem
weather_description
overcast clouds
chart1
temperature
40
35
30
20:58:41
chart2
object temp
24
23.5
23
20:58:41
chart3
humidity
82
80
78
20:58:41
button
MOTOR ON
MOTOR OFF

Node-RED
Deploy
Flow 1
Flow 2
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
make request
http request
function
temperature
pressure
region
humidity
weather_description
msg.payload
temperature
pressure
region
humidity
weather_description
debug
all nodes
all


Inbox (792) - sjeevak.raj2017@
Student Dashboard
Node-RED
127.0.0.1:1880/ui/#!/0?socketid=bFDekYjeh1xCDvu
smart_agriculture
IBM_IoT_sensor
humidity
temperature
object_t
78
%
16
°C
23
°C
button
MOTOR ON
MOTOR OFF
Python 3.8.3 Shell
File Edit Shell Debug Options Window Help
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:37:02) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python38/subscribeibm.py
2020-05-30 16:54:37,373 ibmiotf.device.Client INFO Connected successfully: d:ie8mpi:IoT_device:IoT_device_1
Command received: {'command': 'motoron'}
MOTOR ON IS RECEIVED
Command received: {'command': 'motoroff'}
MOTOR OFF IS RECEIVED
Command received: {'command': 'motoron'}
MOTOR ON IS RECEIVED
Ln: 5 Col: 0
Search results - sjee
Service Details - IBM
IBM Watson IoT Pla
Student Dashboard
IoT Sensor
GitHub - SmartPra
soil moisture unit -
https://watson-iot-sensor-simulator.mybluemix.net
Watson IoT Sensor Simulator
IoT_device_1
connected
Temperature
15°C
swipe left/right for more


Inbox (792) - sjeevak.raj2017@
Student Dashboard
Node-RED
127.0.0.1:1880/ui/#!/0?socketid=bFDekYjeh1xCDvu
smart_agriculture
IBM_IoT_sensor
humidity
temperature
object_t
78
%
16
°C
23
°C
button
MOTOR ON
MOTOR OFF
Python 3.8.3 Shell
File Edit Shell Debug Options Window Help
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:37:02) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
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2020-05-30 16:54:37,373 ibmiotf.device.Client INFO Connected successfully: d:ie8mpi:IoT_device:IoT_device_1
Command received: {'command': 'motoron'}
MOTOR ON IS RECEIVED
Command received: {'command': 'motoroff'}
MOTOR OFF IS RECEIVED
Command received: {'command': 'motoron'}
MOTOR ON IS RECEIVED
Ln: 5 Col: 0