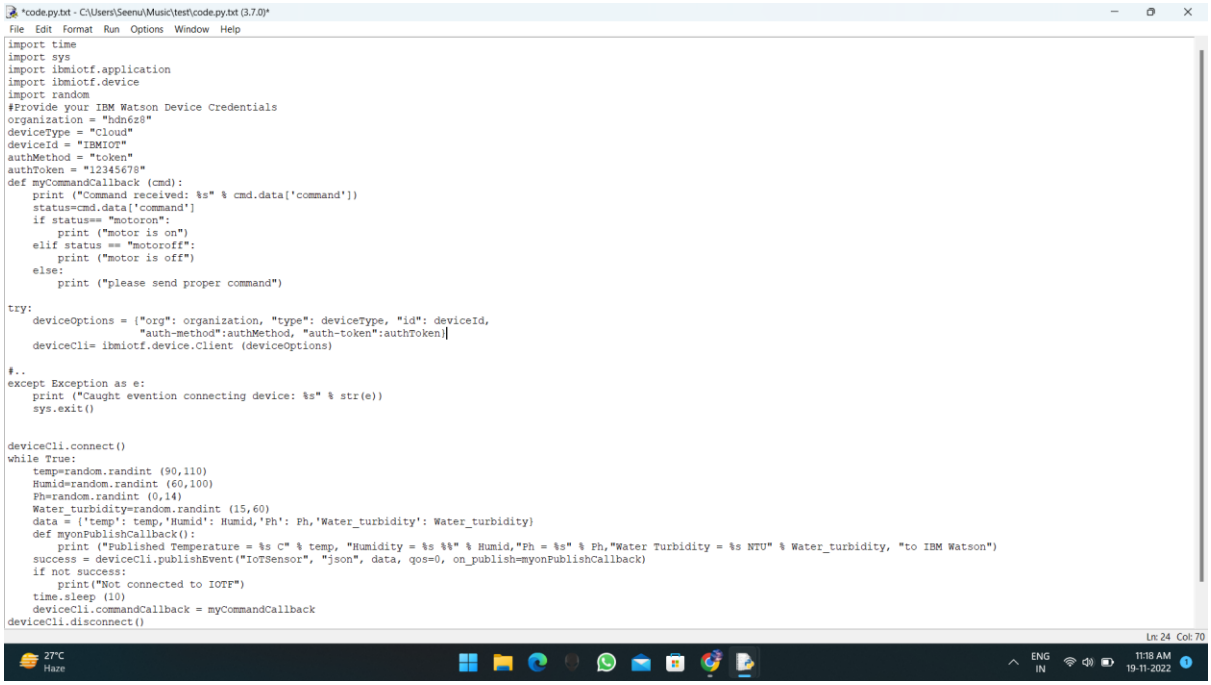
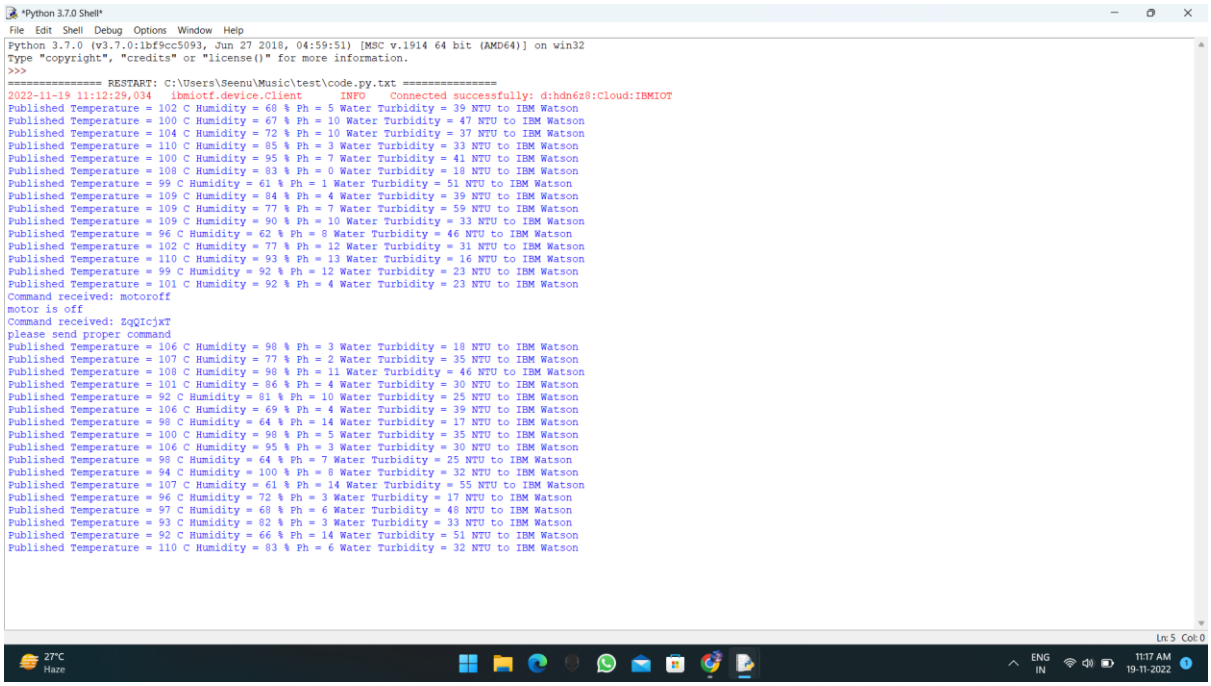
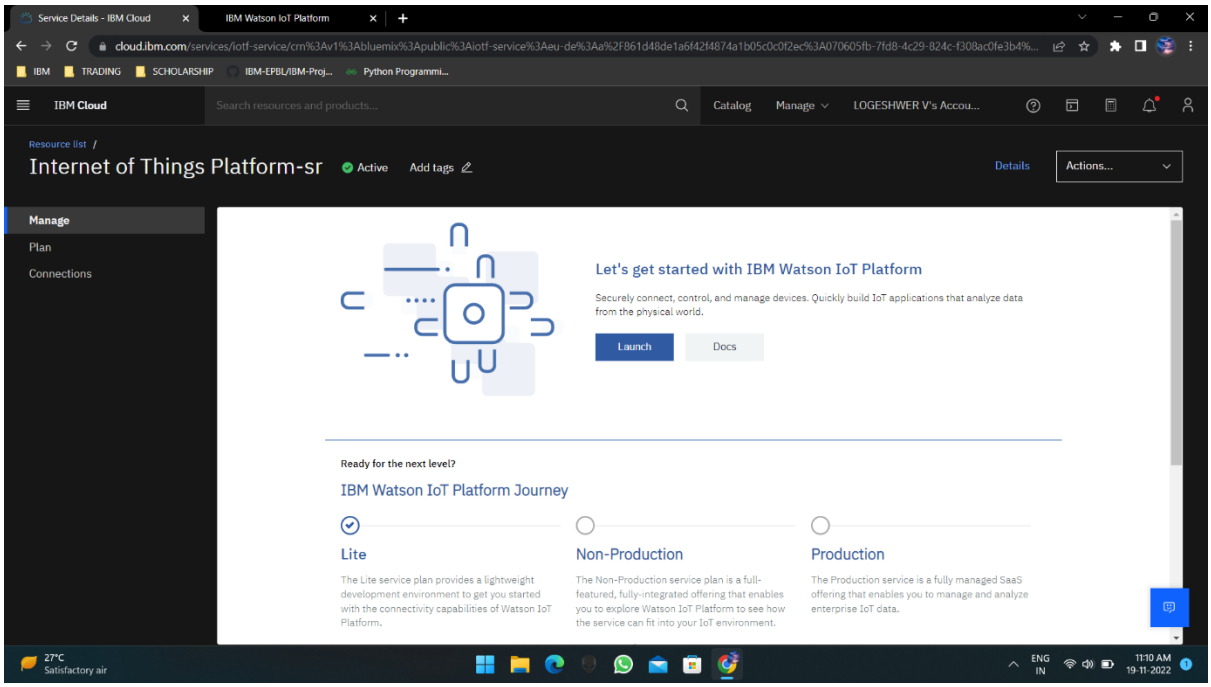
Project Planning Phase

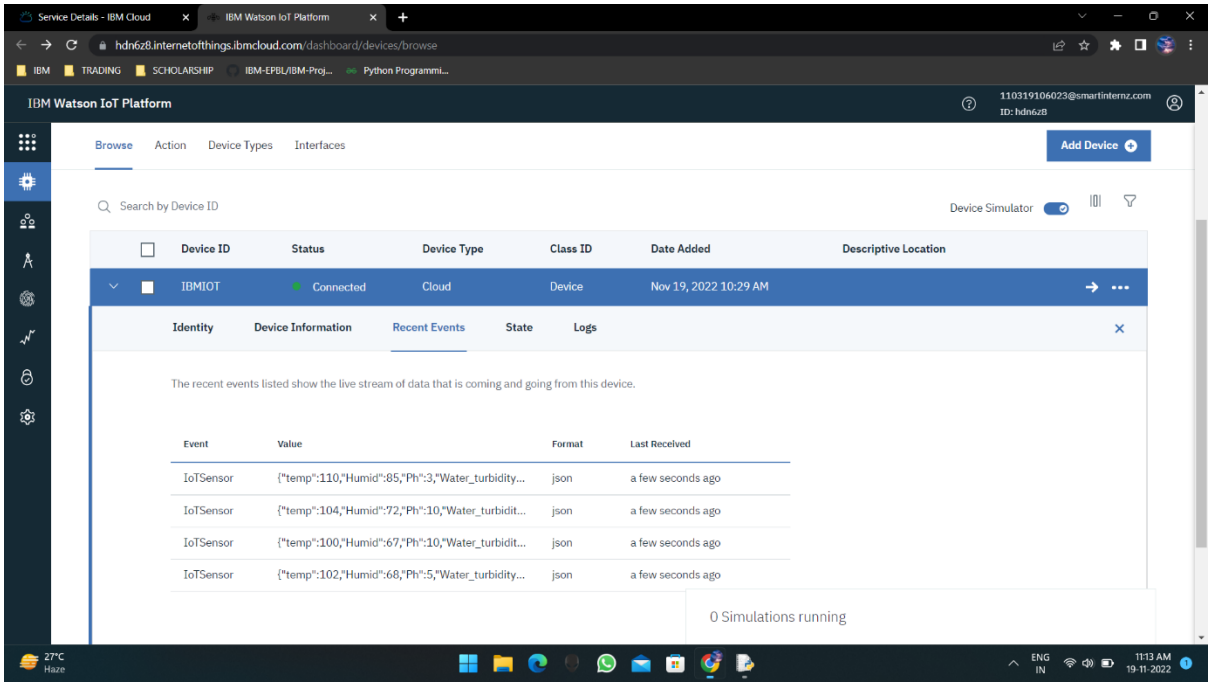
Project Planning Template- Sprint-3

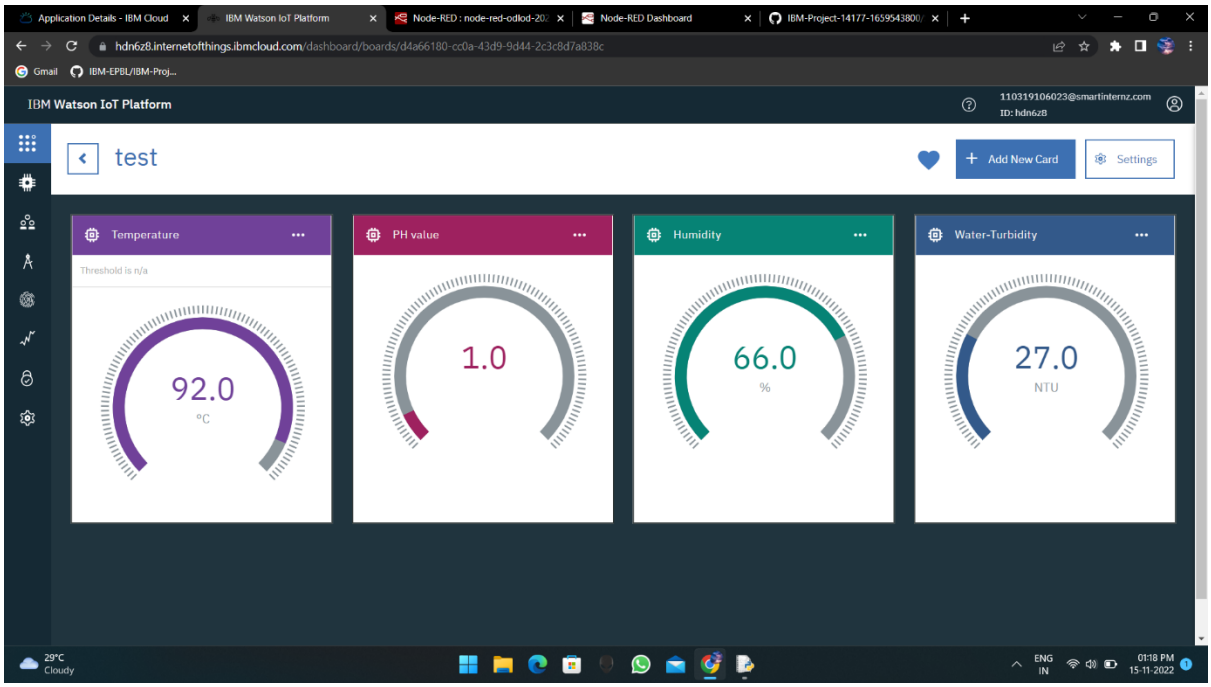
Date	20 October 2022
Team ID	PNT2022TMID36156
Project Name	Project- Real Time River Quality Monitoring and Control System.
Maximum Marks	8 Marks

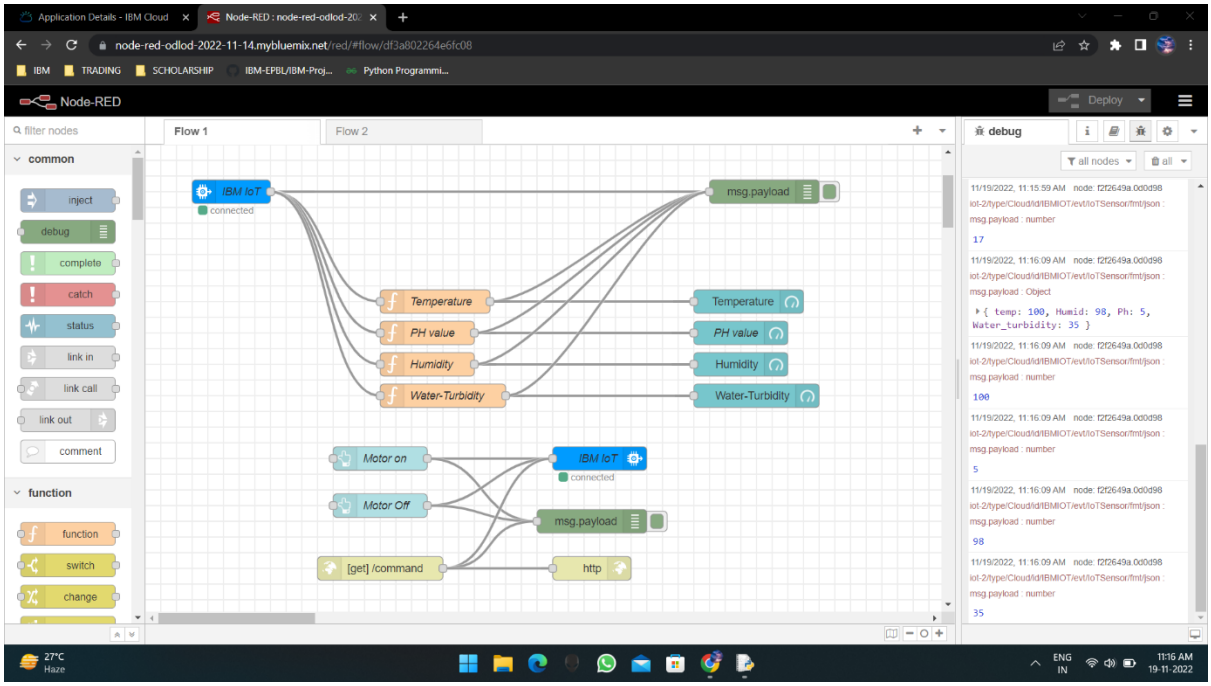


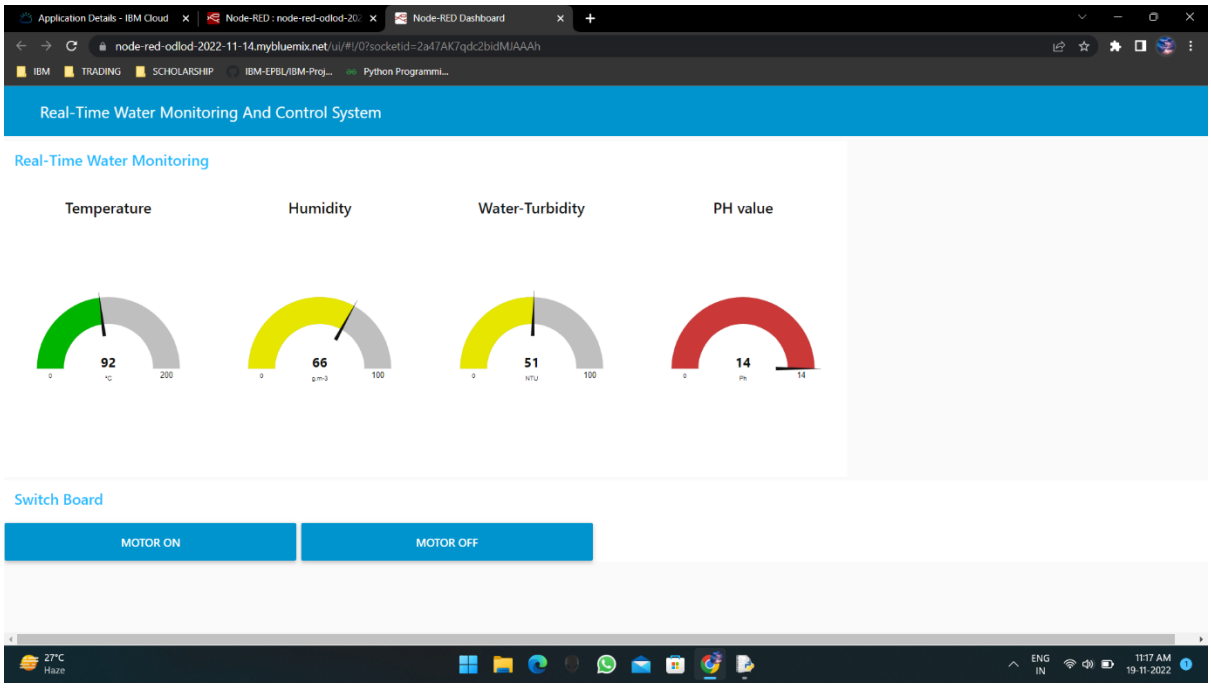

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\Seenu\Music\test\code.py.txt ==========
2022-11-19 11:12:29,034 ibmiotf.device.Client INFO Connected successfully: d:hdn6z8:Cloud:IBMIOT
Published Temperature = 102 C Humidity = 68 % Ph = 5 Water Turbidity = 39 NTU to IBM Watson
Published Temperature = 100 C Humidity = 67 % Ph = 10 Water Turbidity = 47 NTU to IBM Watson
Published Temperature = 104 C Humidity = 72 % Ph = 10 Water Turbidity = 37 NTU to IBM Watson
Published Temperature = 110 C Humidity = 85 % Ph = 3 Water Turbidity = 33 NTU to IBM Watson
Published Temperature = 100 C Humidity = 95 % Ph = 7 Water Turbidity = 41 NTU to IBM Watson
Published Temperature = 108 C Humidity = 83 % Ph = 0 Water Turbidity = 18 NTU to IBM Watson
Published Temperature = 99 C Humidity = 61 % Ph = 1 Water Turbidity = 51 NTU to IBM Watson
Published Temperature = 109 C Humidity = 84 % Ph = 4 Water Turbidity = 39 NTU to IBM Watson
Published Temperature = 109 C Humidity = 77 % Ph = 7 Water Turbidity = 59 NTU to IBM Watson
Published Temperature = 109 C Humidity = 90 % Ph = 10 Water Turbidity = 33 NTU to IBM Watson
Published Temperature = 96 C Humidity = 62 % Ph = 8 Water Turbidity = 46 NTU to IBM Watson
Published Temperature = 102 C Humidity = 77 % Ph = 12 Water Turbidity = 31 NTU to IBM Watson
Published Temperature = 110 C Humidity = 93 % Ph = 13 Water Turbidity = 16 NTU to IBM Watson
Published Temperature = 99 C Humidity = 92 % Ph = 12 Water Turbidity = 23 NTU to IBM Watson
Published Temperature = 101 C Humidity = 92 % Ph = 4 Water Turbidity = 23 NTU to IBM Watson
Command received: motoroff
motor is off
Command received: ZqQIcjxT
please send proper command
Published Temperature = 106 C Humidity = 90 % Ph = 3 Water Turbidity = 18 NTU to IBM Watson
Published Temperature = 107 C Humidity = 77 % Ph = 2 Water Turbidity = 35 NTU to IBM Watson
Published Temperature = 108 C Humidity = 90 % Ph = 11 Water Turbidity = 46 NTU to IBM Watson
Published Temperature = 101 C Humidity = 86 % Ph = 4 Water Turbidity = 30 NTU to IBM Watson
Published Temperature = 92 C Humidity = 81 % Ph = 10 Water Turbidity = 25 NTU to IBM Watson
Published Temperature = 106 C Humidity = 69 % Ph = 4 Water Turbidity = 39 NTU to IBM Watson
Published Temperature = 98 C Humidity = 64 % Ph = 14 Water Turbidity = 17 NTU to IBM Watson
Published Temperature = 100 C Humidity = 98 % Ph = 5 Water Turbidity = 35 NTU to IBM Watson
Published Temperature = 106 C Humidity = 95 % Ph = 3 Water Turbidity = 30 NTU to IBM Watson
Published Temperature = 98 C Humidity = 64 % Ph = 7 Water Turbidity = 25 NTU to IBM Watson
Published Temperature = 94 C Humidity = 100 % Ph = 8 Water Turbidity = 32 NTU to IBM Watson
Published Temperature = 107 C Humidity = 61 % Ph = 14 Water Turbidity = 55 NTU to IBM Watson
Published Temperature = 96 C Humidity = 72 % Ph = 3 Water Turbidity = 17 NTU to IBM Watson
Published Temperature = 97 C Humidity = 68 % Ph = 6 Water Turbidity = 48 NTU to IBM Watson
Published Temperature = 93 C Humidity = 82 % Ph = 3 Water Turbidity = 33 NTU to IBM Watson
Published Temperature = 92 C Humidity = 66 % Ph = 14 Water Turbidity = 51 NTU to IBM Watson
Published Temperature = 110 C Humidity = 83 % Ph = 6 Water Turbidity = 32 NTU to IBM Watson
Ln: 5 Col: 0
27°C Haze
ENG IN
11:17 AM 19-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F861d48de1a6f42f4874a1b05c0c0f2ec%3A070605fb-7fd8-4c29-824c-f308ac0fe3b4%...
IBM TRADING SCHOLARSHIP IBM-EPBL/IBM-Proj... Python Programmi...
IBM Cloud
Search resources and products...
Catalog Manage LOGESHWER V's Accou...
Resource list /
Internet of Things Platform-sr
Active
Add tags
Details
Actions...
Manage
Plan
Connections
Let's get started with IBM Watson IoT Platform
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.
Launch
Docs
Ready for the next level?
IBM Watson IoT Platform Journey
Lite
The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.
Non-Production
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.
Production
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.
27°C Satisfactory air
ENG IN
11:10 AM 19-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
hdn6z8.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
110319106023@smartinternz.com
ID: hdn6z8
Browse
Action
Device Types
Interfaces
Add Device
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
IBMIOT
Connected
Cloud
Device
Nov 19, 2022 10:29 AM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
IoTSensor
{"temp":110,"Humid":85,"Ph":3,"Water_turbidity...
json
a few seconds ago
IoTSensor
{"temp":104,"Humid":72,"Ph":10,"Water_turbidit...
json
a few seconds ago
IoTSensor
{"temp":100,"Humid":67,"Ph":10,"Water_turbidit...
json
a few seconds ago
IoTSensor
{"temp":102,"Humid":68,"Ph":5,"Water_turbidity...
json
a few seconds ago
0 Simulations running
27°C
Haze
ENG
IN
11:13 AM
19-11-2022


Application Details - IBM Cloud
IBM Watson IoT Platform
Node-RED : node-red-odlod-20
Node-RED Dashboard
IBM-Project-14177-1659543800
hdn6z8.internetofthings.ibmcloud.com/dashboard/boards/d4a66180-cc0a-43d9-9d44-2c3c8d7a838c
Gmail
IBM-EPBL/IBM-Proj...
IBM Watson IoT Platform
110319106023@smartinternz.com
ID: hdn6z8
test
Add New Card
Settings
Temperature
Threshold is n/a
92.0
°C
PH value
1.0
Humidity
66.0
%
Water-Turbidity
27.0
NTU
29°C
Cloudy
ENG
IN
01:18 PM
15-11-2022


Application Details - IBM Cloud
Node-RED : node-red-odlod-20
node-red-odlod-2022-11-14.mybluemix.net/red/#flow/df3a802264e6fc08
IBM
TRADING
SCHOLARSHIP
IBM-EPBL/IBM-Proj...
Python Programmi...
Node-RED
Deploy
filter nodes
Flow 1
Flow 2
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
Temperature
PH value
Humidity
Water-Turbidity
msg.payload
Temperature
PH value
Humidity
Water-Turbidity
Motor on
Motor Off
IBM IoT
connected
msg.payload
[get] /command
http
debug
all nodes
all
11/19/2022, 11:15:59 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : number
17
11/19/2022, 11:16:09 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : Object
{ temp: 100, Humid: 98, Ph: 5, Water_turbidity: 35 }
11/19/2022, 11:16:09 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : number
100
11/19/2022, 11:16:09 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : number
5
11/19/2022, 11:16:09 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : number
98
11/19/2022, 11:16:09 AM node: f2f2649a.0d0d98
iot-2/type/Cloud/id/IBMIOT/evt/IoTSensor/fmt/json : msg.payload : number
35
27°C
Haze
ENG
IN
11:16 AM
19-11-2022


Application Details - IBM Cloud
Node-RED : node-red-odlod-20
Node-RED Dashboard
node-red-odlod-2022-11-14.mybluemix.net/ui/#!/0?socketid=2a47AK7qdc2bIdMJAAAh
IBM
TRADING
SCHOLARSHIP
IBM-EPBL/IBM-Proj...
Python Programmi...
Real-Time Water Monitoring And Control System
Real-Time Water Monitoring
Temperature
Humidity
Water-Turbidity
PH value
92
°C
0
200
66
g.m-3
0
100
51
NTU
0
100
14
Ph
0
14
Switch Board
MOTOR ON
MOTOR OFF
27°C
Haze
ENG
IN
11:17 AM
19-11-2022