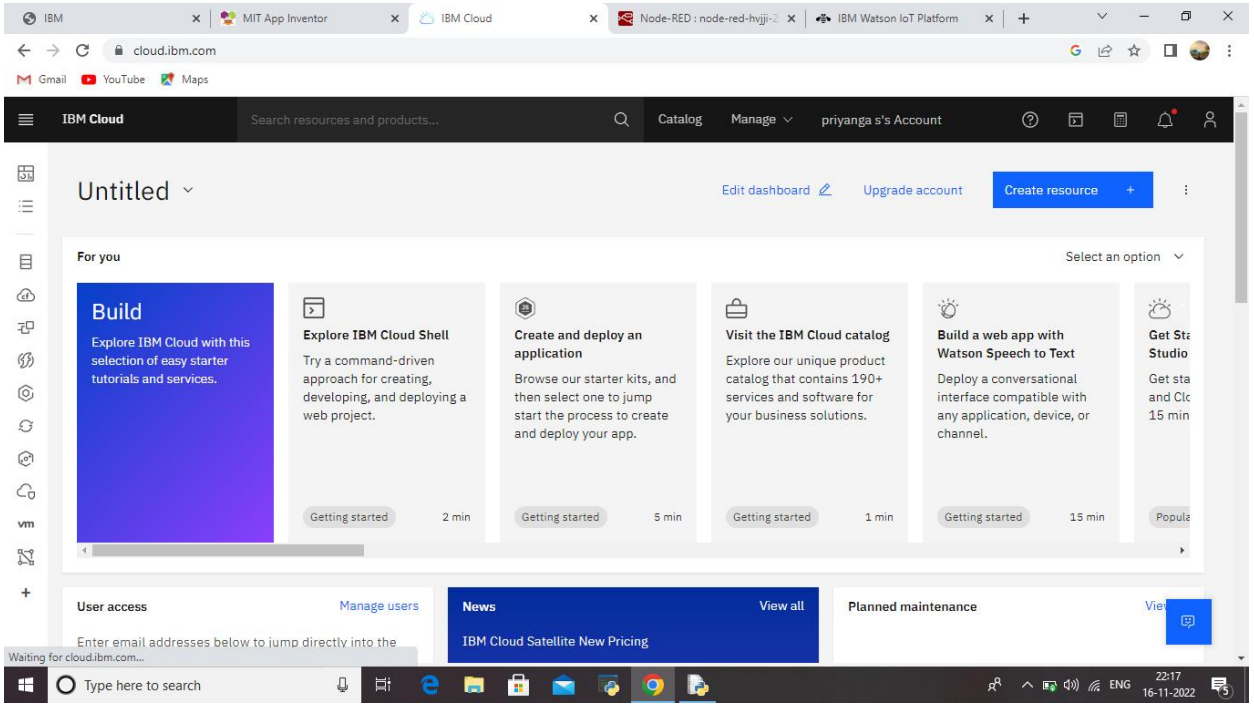
Create and configure IBM cloud service

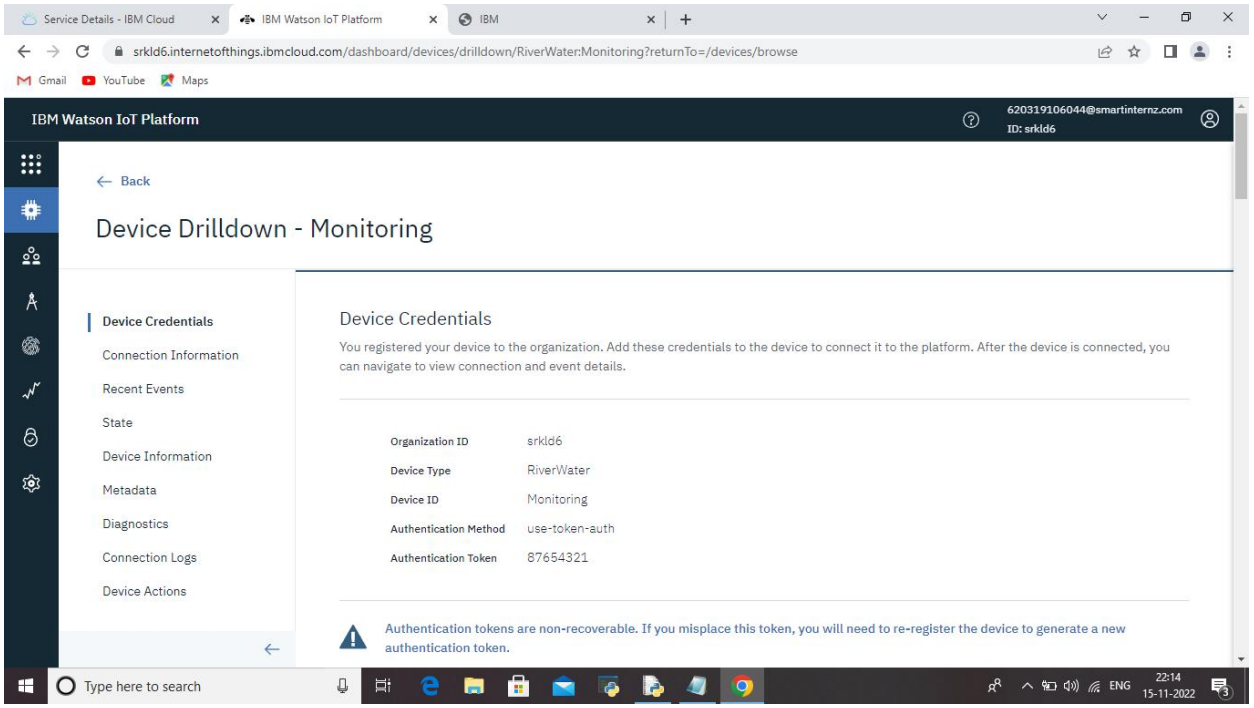
Creat IBM Watson IOT platform and Device

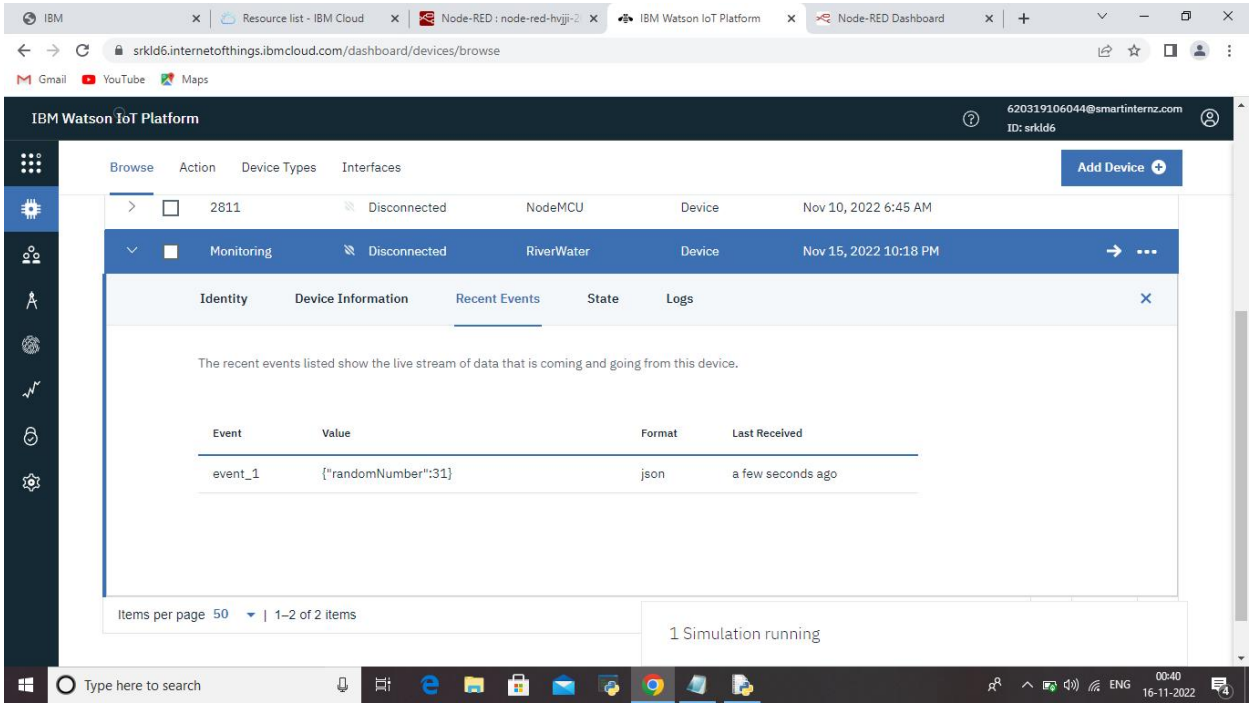
TEAM ID : PNT2022TMID41415

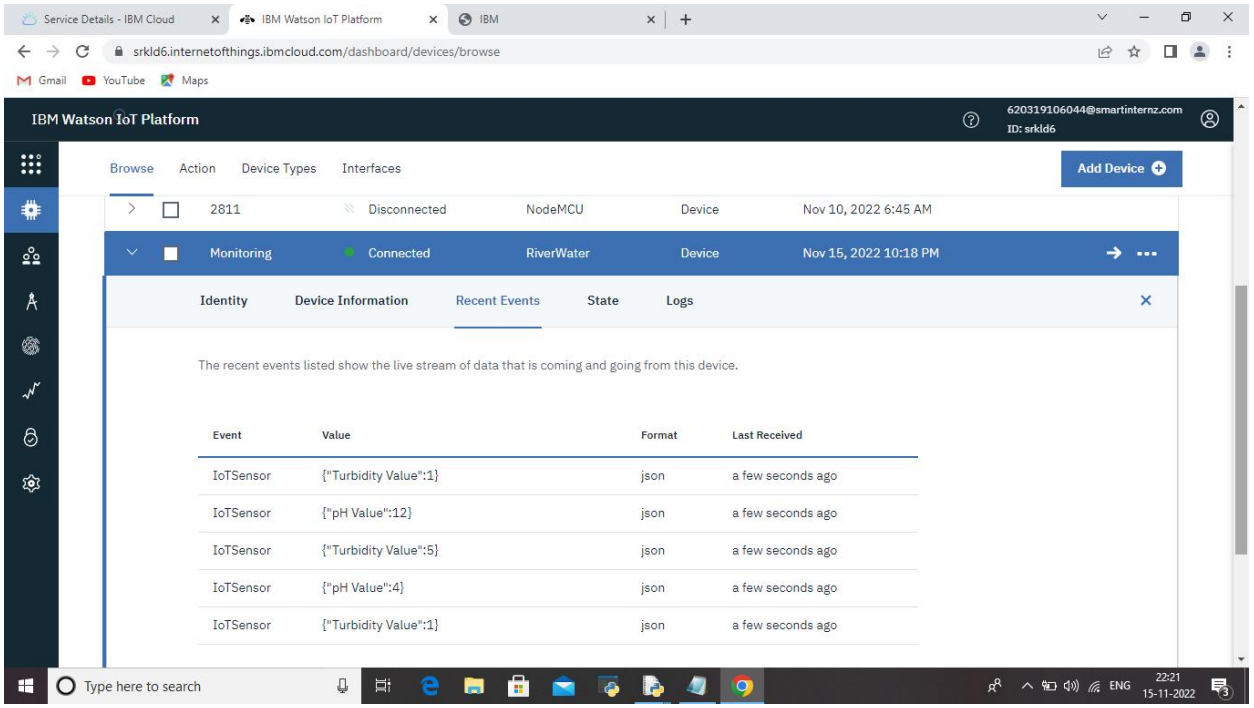
TITLE : Real time river water quality monitoring and control system

IBM WATSON INSTALLATION






IBM Watson IoT Platform
620319106044@smartinternz.com
ID: srkld6
Browse
Action
Device Types
Interfaces
Add Device
2811 Disconnected NodeMCU Device Nov 10, 2022 6:45 AM
Monitoring Disconnected RiverWater Device Nov 15, 2022 10:18 PM
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
event_1
{"randomNumber":31}
json
a few seconds ago
Items per page 50
1–2 of 2 items
1 Simulation running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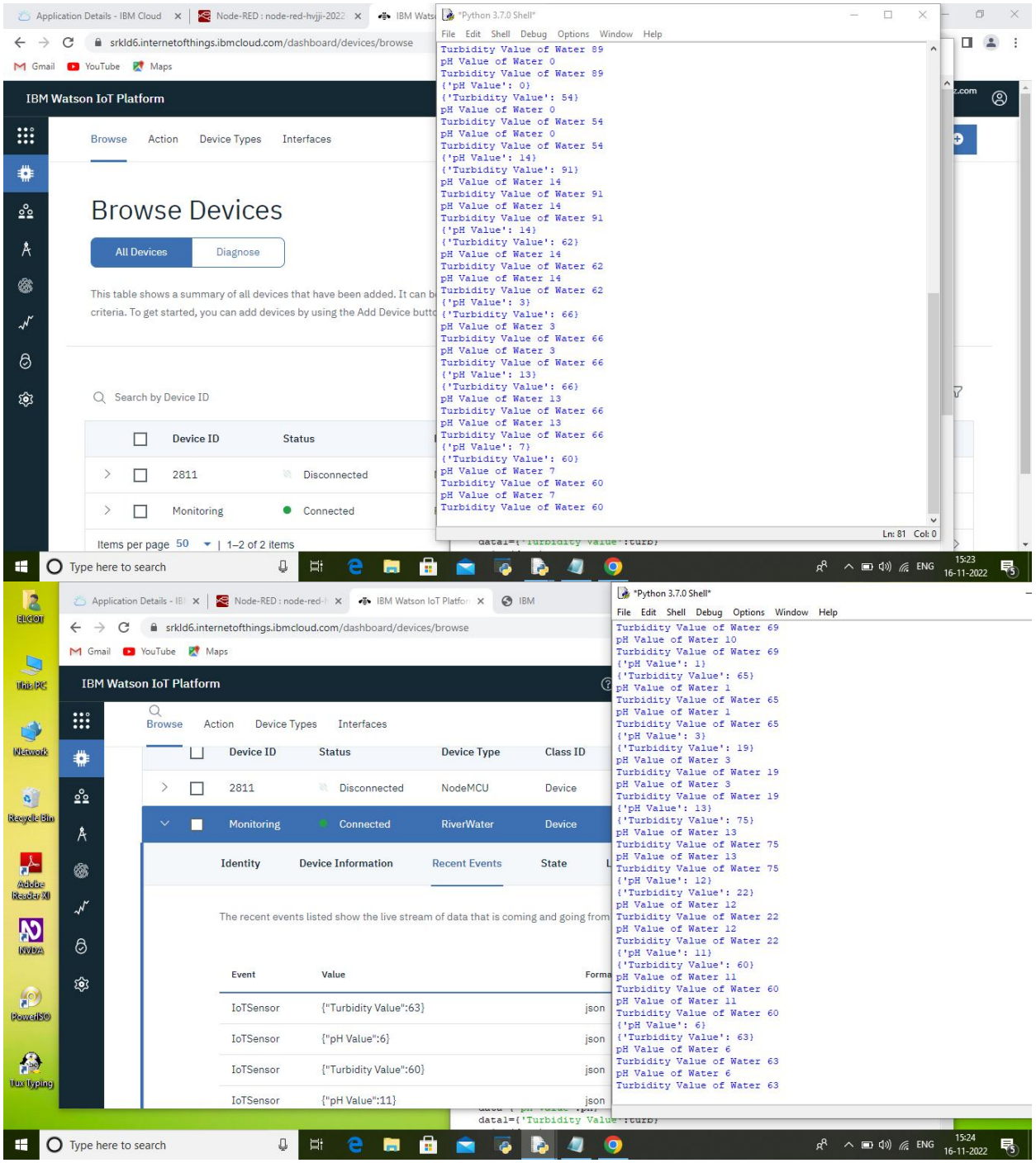
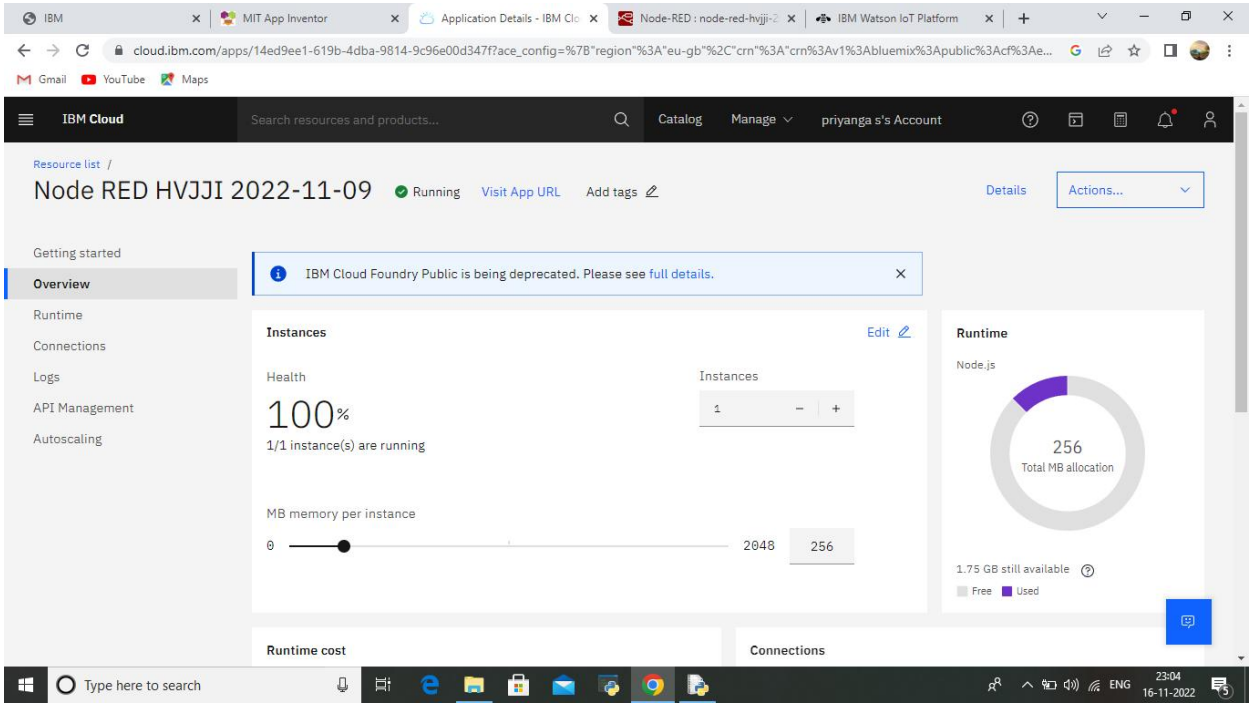
ID: srkld6
Browse
Action
Device Types
Interfaces
Add Device
2811 Disconnected NodeMCU Device Nov 10, 2022 6:45 AM
Monitoring Connected RiverWater Device Nov 15, 2022 10:18 PM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
IoTSensor
{"Turbidity Value":1}
json
a few seconds ago
IoTSensor
{"pH Value":12}
json
a few seconds ago
IoTSensor
{"Turbidity Value":5}
json
a few seconds ago
IoTSensor
{"pH Value":4}
json
a few seconds ago
IoTSensor
{"Turbidity Value":1}
json
a few seconds ago

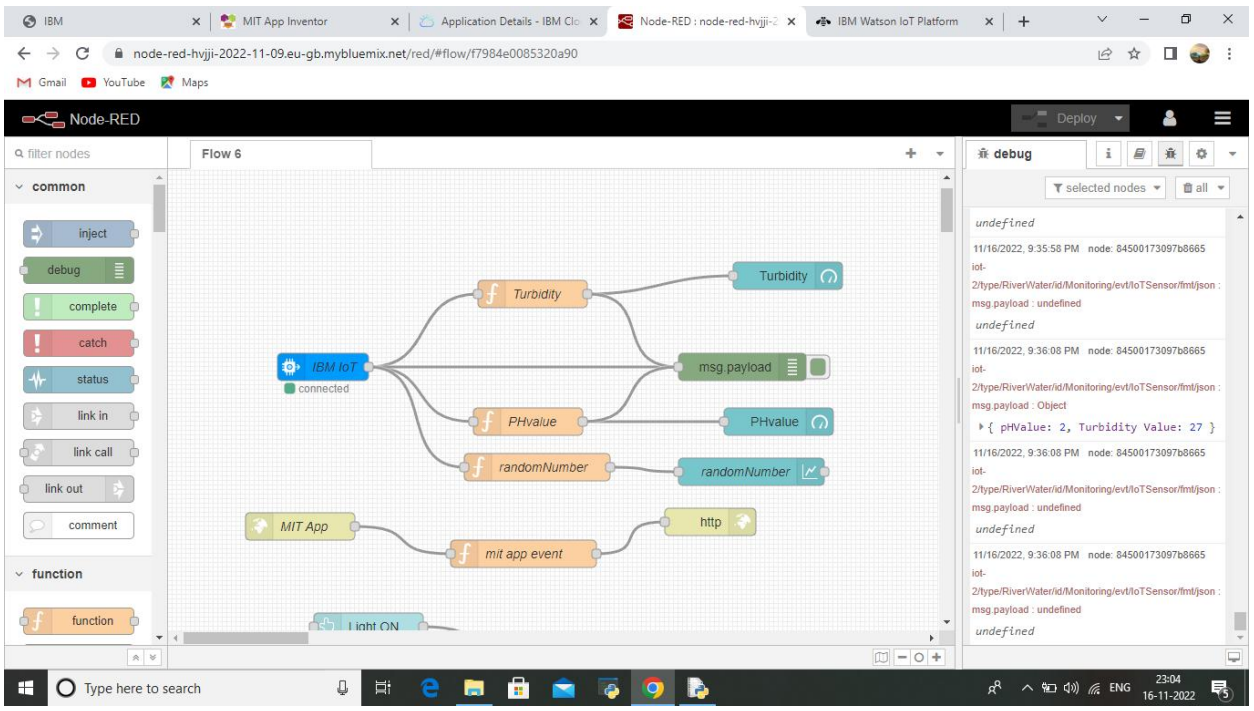


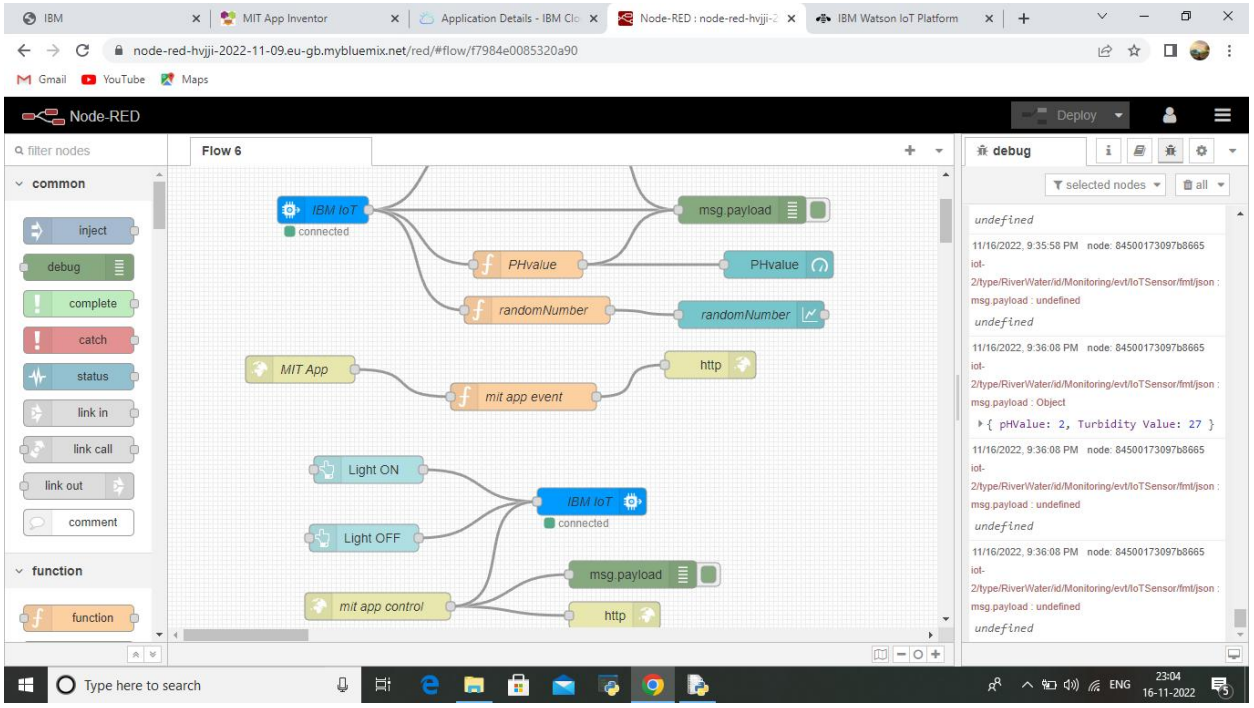
NODE RED

Node-red is created and the iot device is connected to ibm watson iot platform and connected to node-red then we the see the out put displayed on the screen in ibm watson iot platform in the recent events

We can see the same output in node-red


IBM Cloud
Search resources and products...
Catalog
Manage
priyanga s's Account
Resource list /
Node RED HVJJI 2022-11-09
Running
Visit App URL
Add tags
Details
Actions...
Getting started
Overview
Runtime
Connections
Logs
API Management
Autoscaling
IBM Cloud Foundry Public is being deprecated. Please see full details.
Instances
Edit
Health
100%
1/1 instance(s) are running
Instances
1
MB memory per instance
0
2048
256
Runtime
Node.js
256
Total MB allocation
1.75 GB still available
Free
Used
Runtime cost
Connections
Type here to search
ENG
23:04
16-11-2022


Node-RED
Deploy
filter nodes
Flow 6
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
Turbidity
IBM IoT
connected
msg.payload
PHvalue
randomNumber
MIT App
mit app event
http
debug
selected nodes
all
undefined
11/16/2022, 9:35:58 PM node: 84500173097b8665
iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/16/2022, 9:36:08 PM node: 84500173097b8665
iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : Object
{ pHValue: 2, Turbidity Value: 27 }
11/16/2022, 9:36:08 PM node: 84500173097b8665
iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/16/2022, 9:36:08 PM node: 84500173097b8665
iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
Type here to search
ENG
23:04
16-11-2022


IBM
MIT App Inventor
Application Details - IBM Clo
Node-RED : node-red-hvjji-2
IBM Watson IoT Platform
node-red-hvjji-2022-11-09.eu-gb.mybluemix.net/red/#flow/f7984e0085320a90
Gmail
YouTube
Maps
Node-RED
Deploy
filter nodes
Flow 6
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
IBM IoT
connected
msg.payload
PHvalue
PHvalue
randomNumber
randomNumber
MIT App
mit app event
http
Light ON
Light OFF
IBM IoT
connected
msg.payload
mit app control
http
debug
selected nodes
all
undefined
11/16/2022, 9:35:58 PM node: 84500173097b8665
iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/16/2022, 9:36:08 PM node: 84500173097b8665
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undefined
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iot-2/type/RiverWater/id/Monitoring/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
Type here to search
ENG
23:04
16-11-2022