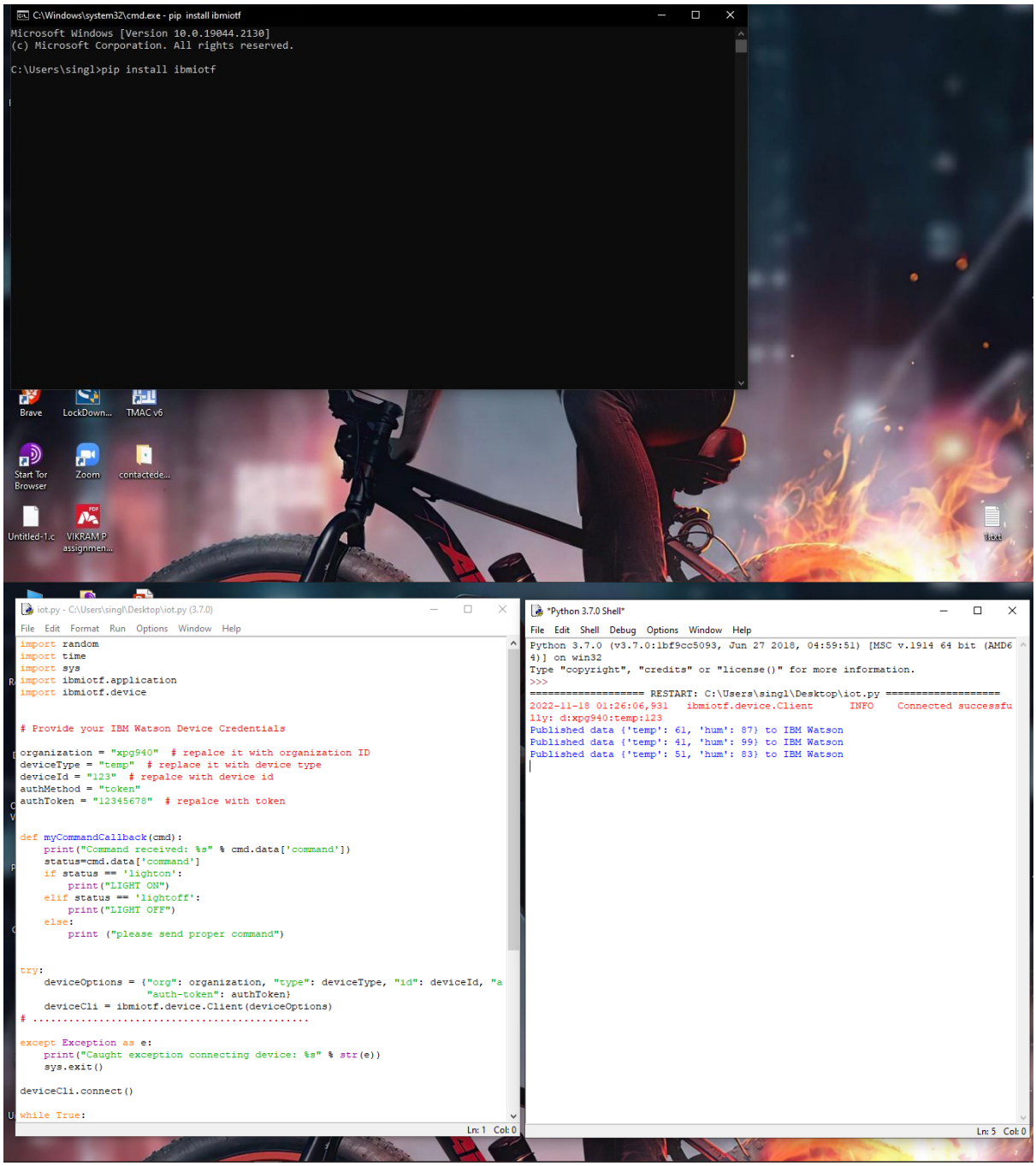
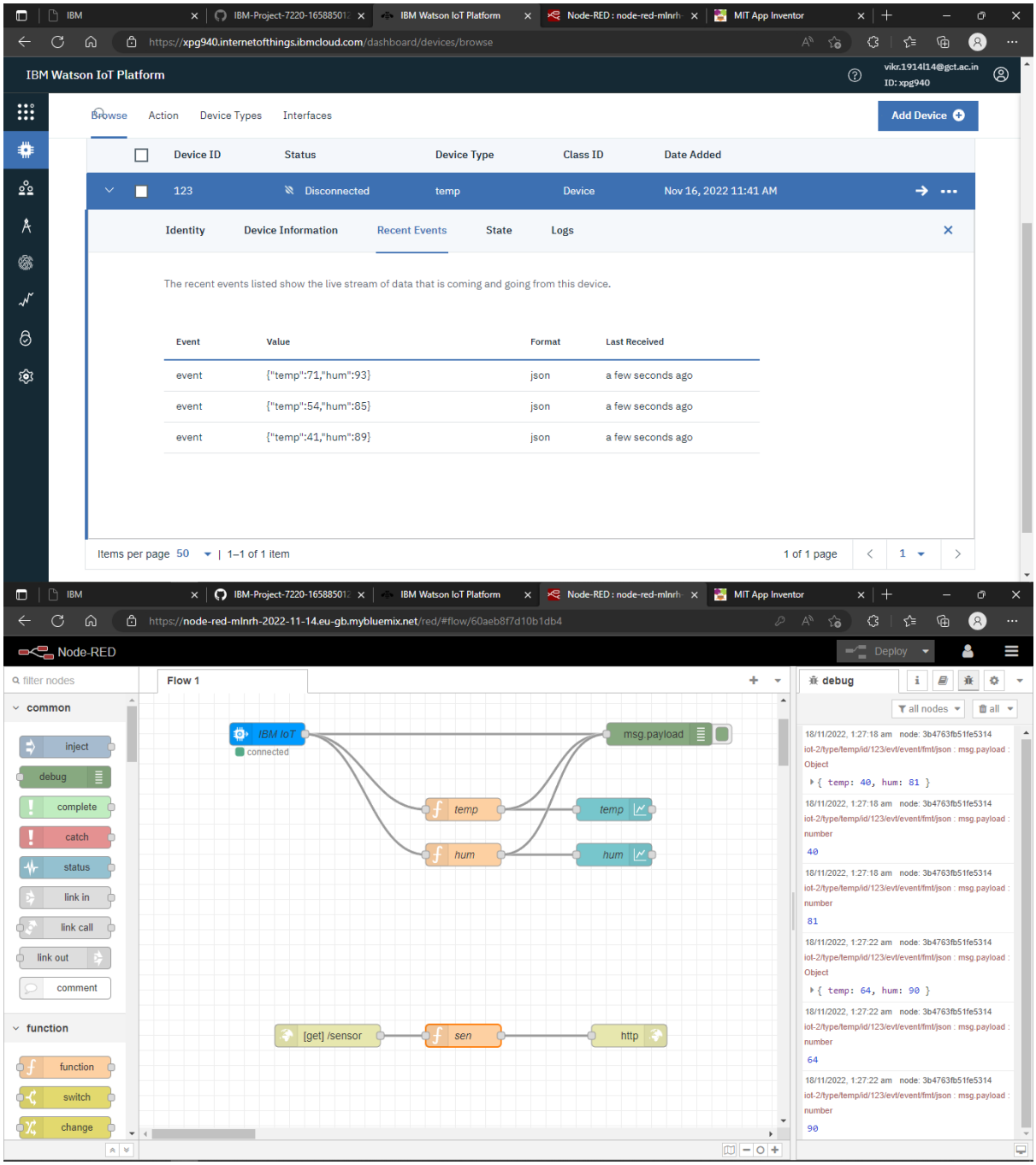
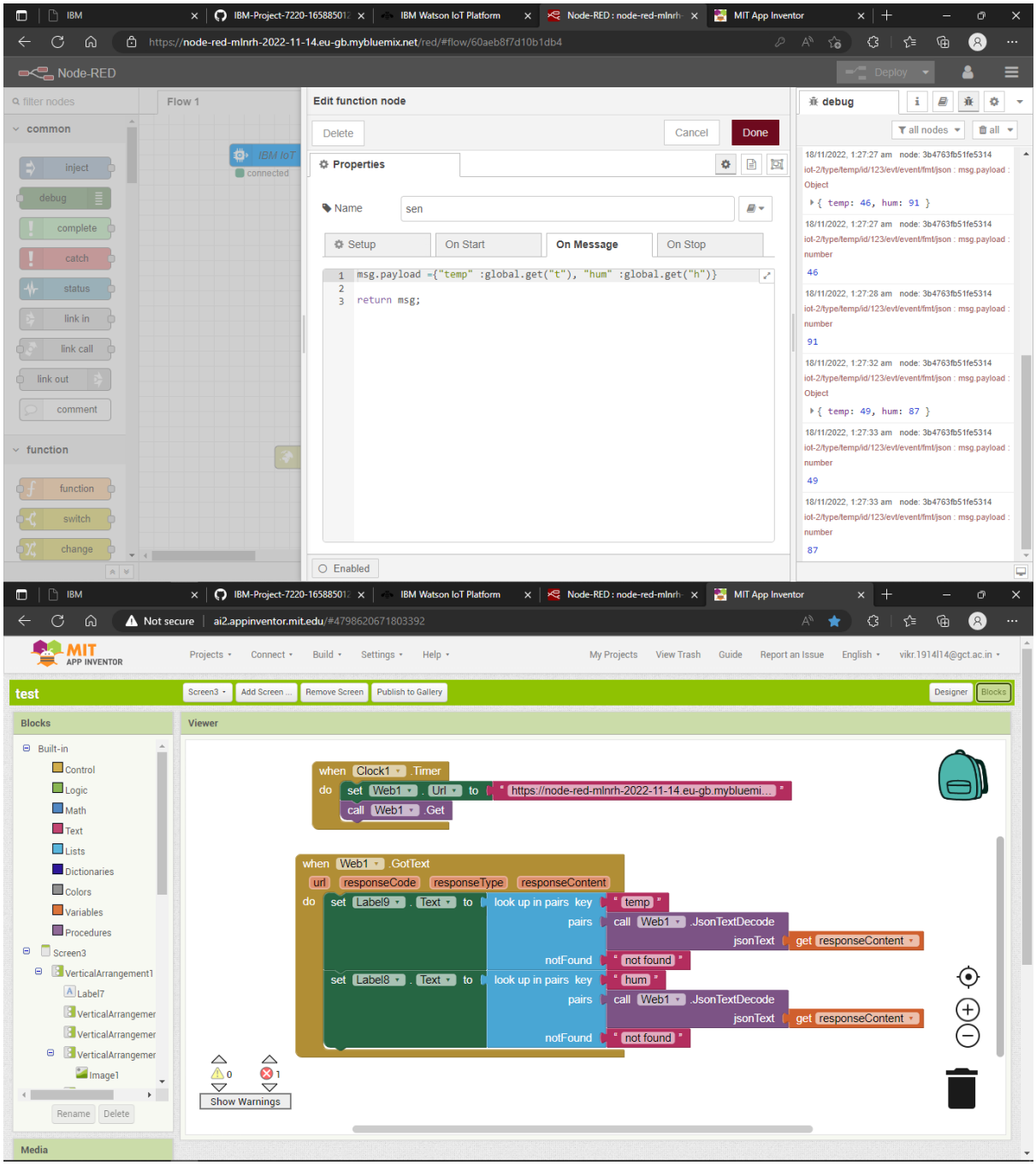
ROJECT DEVELOPMENT PHASE
Delivery Of sprint 4

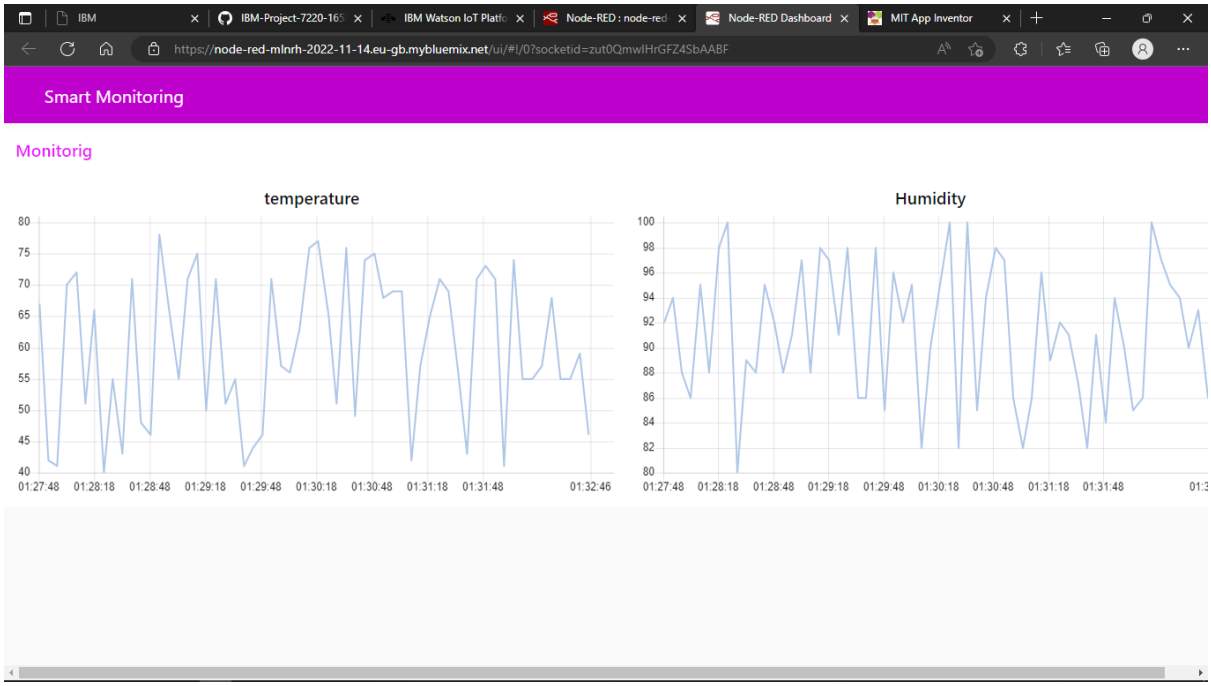
Team ID	PNT2022TMID06971
Project Name	Hazardous Area Monitoring For Industrial Plant Powered By IoT

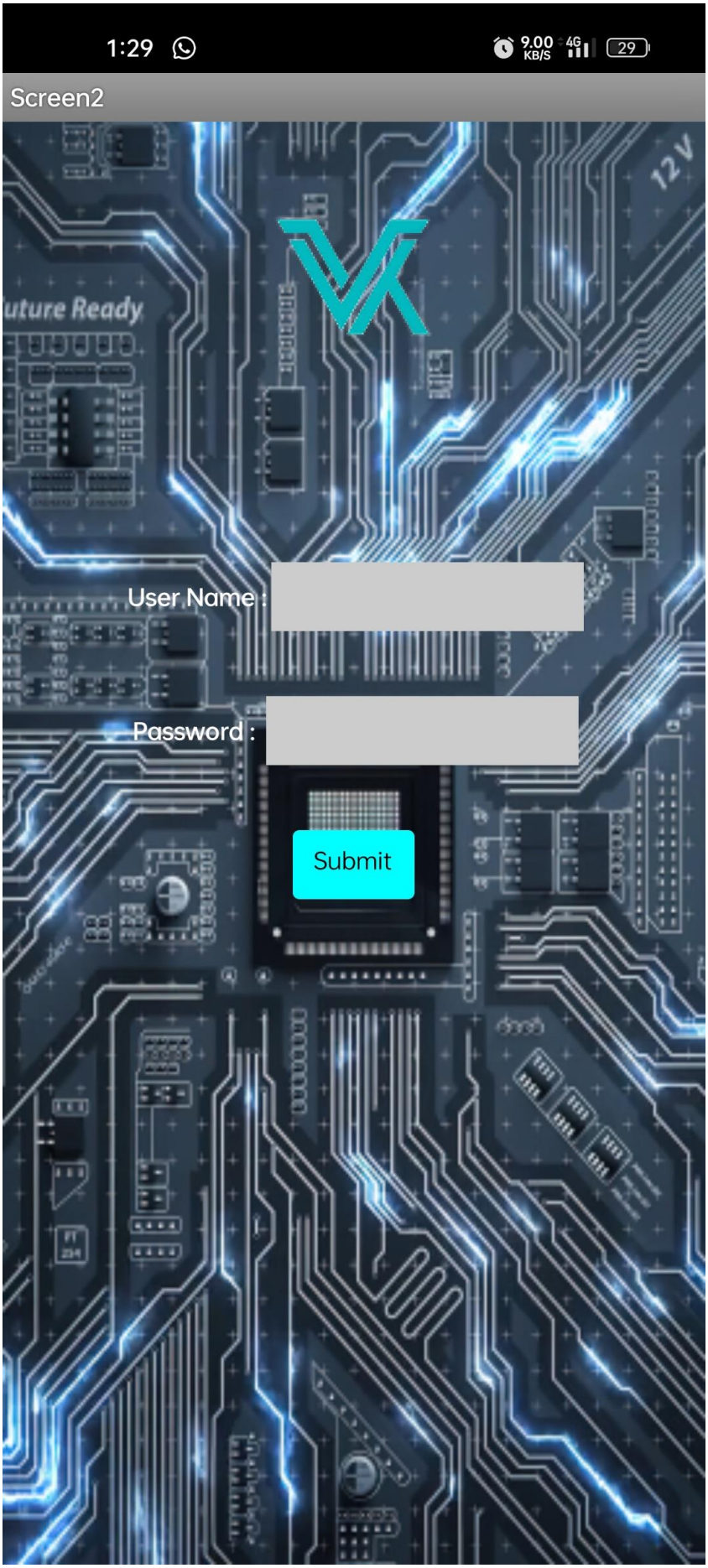
CONNECTING ALL SERVICE :

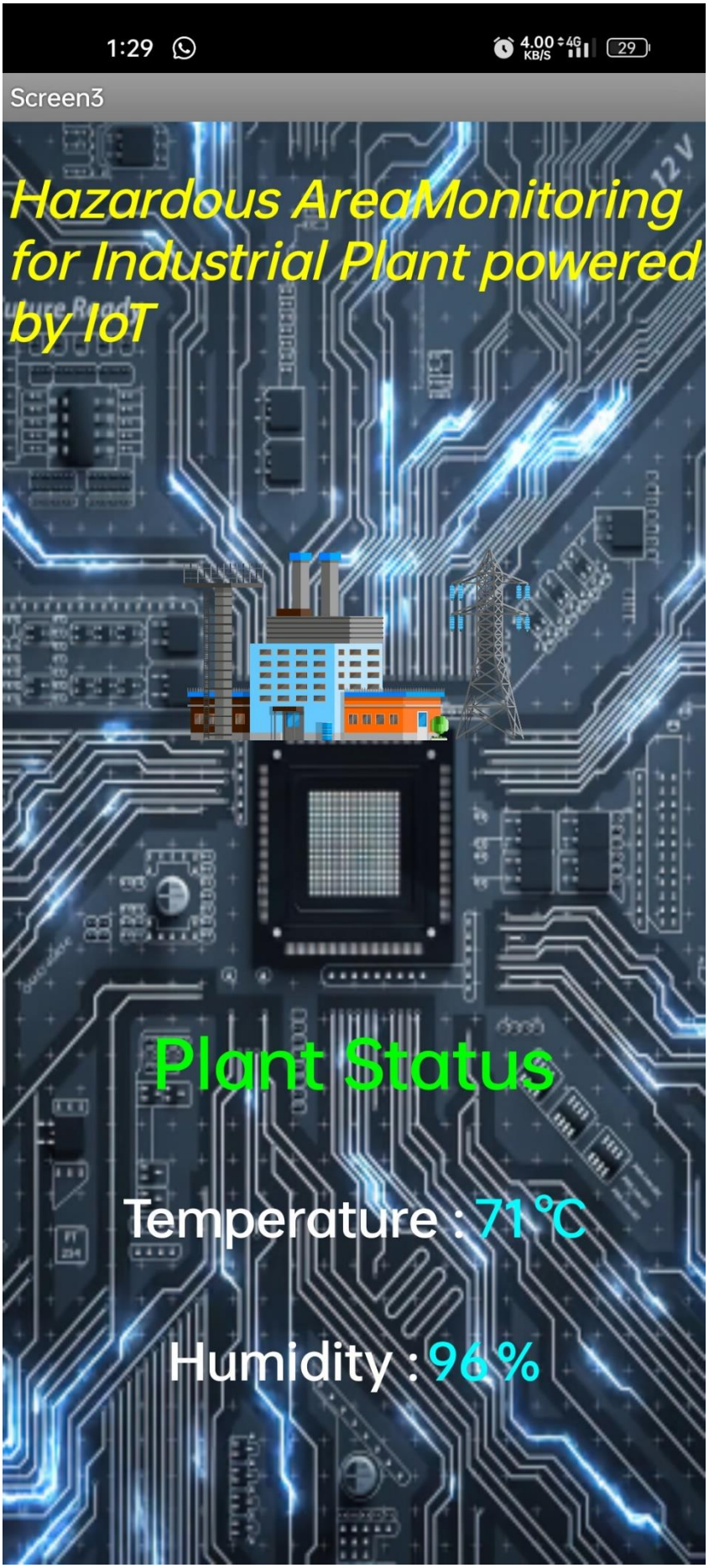



IBM Watson IoT Platform
vikr.1914l14@gct.ac.in
ID: xpg940
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
123
Disconnected
temp
Device
Nov 16, 2022 11:41 AM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
event
{"temp":71,"hum":93}
json
a few seconds ago
event
{"temp":54,"hum":85}
json
a few seconds ago
event
{"temp":41,"hum":89}
json
a few seconds ago
Items per page 50
1–1 of 1 item
1 of 1 page
Node-RED
Deploy
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
msg.payload
temp
temp
hum
hum
[get] /sensor
sen
http
debug
all nodes
all
18/11/2022, 1:27:18 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : Object
{ temp: 40, hum: 81 }
18/11/2022, 1:27:18 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : number
40
18/11/2022, 1:27:18 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : number
81
18/11/2022, 1:27:22 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : Object
{ temp: 64, hum: 90 }
18/11/2022, 1:27:22 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : number
64
18/11/2022, 1:27:22 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event/fmt/json : msg.payload : number
90


Node-RED
Edit function node
Delete
Cancel
Done
Properties
Name
sen
Setup
On Start
On Message
On Stop
msg.payload ={"temp" :global.get("t"), "hum" :global.get("h")}
return msg;
Enabled
debug
MIT APP INVENTOR
test
Blocks
Viewer
when Clock1 .Timer
do set Web1 . Url to https://node-red-mlnrh-2022-11-14.eu-gb.mybluemi...
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
set Label9 . Text to look up in pairs key temp
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
set Label8 . Text to look up in pairs key hum
Show Warnings


IBM
IBM-Project-7220-165
IBM Watson IoT Platfo
Node-RED : node-red
Node-RED Dashboard
MIT App Inventor
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/ui/#!/0?socketid=zut0QmwlHrGFZ4SbAABF
Smart Monitoring
Monitorig
temperature
80
75
70
65
60
55
50
45
40
01:27:48
01:28:18
01:28:48
01:29:18
01:29:48
01:30:18
01:30:48
01:31:18
01:31:48
01:32:46
Humidity
100
98
96
94
92
90
88
86
84
82
80
01:27:48
01:28:18
01:28:48
01:29:18
01:29:48
01:30:18
01:30:48
01:31:18
01:31:48


1:29
9.00 KB/S
4G
29
Screen2
User Name :
Password :
Submit


1:29
4.00 KB/S
29
Screen3
Hazardous AreaMonitoring for Industrial Plant powered by IoT
Plant Status
Temperature : 71 ℃
Humidity : 96 %