PROJECT DEVELOPMENT PHASE

SPRINT 4

TEAM ID	PNT2022TMID44448
PROJECT NAME	Signs With smart connectivity for better road safety

WEB UI (to make the user interact with the software)

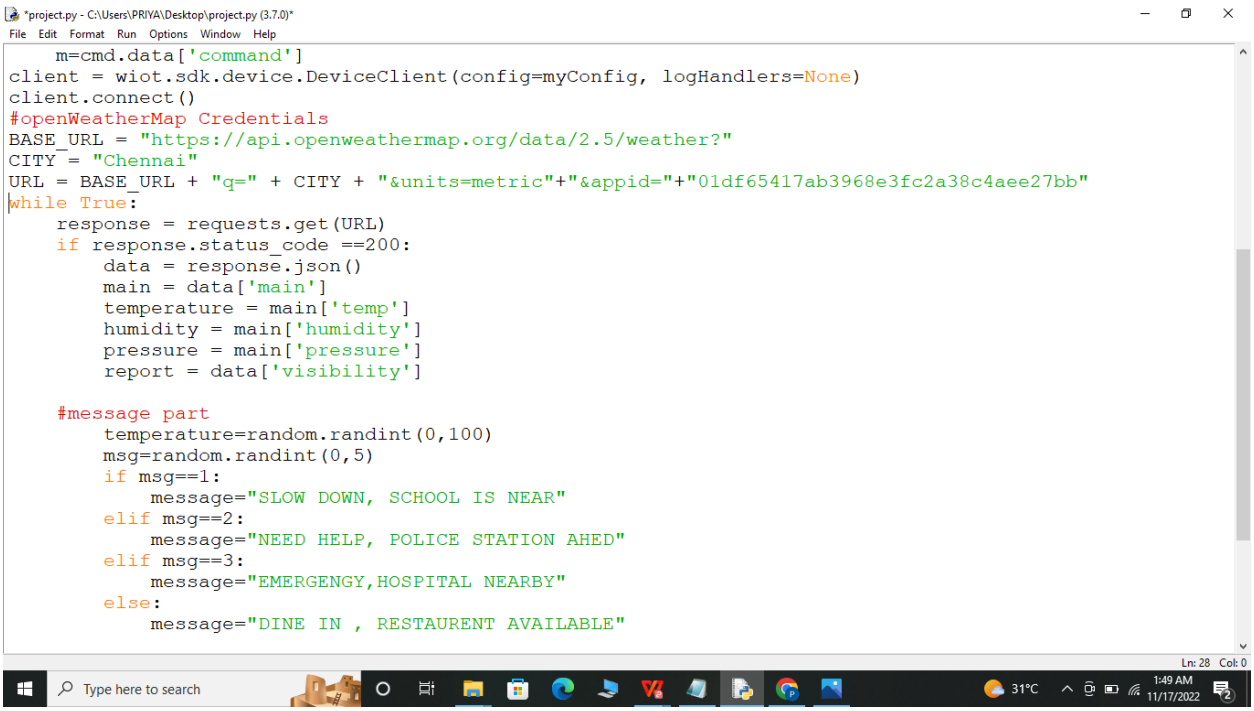
project.py - C:\Users\PRIYA\Desktop\project.py (3.7.0)

File Edit Format Run Options Window Help

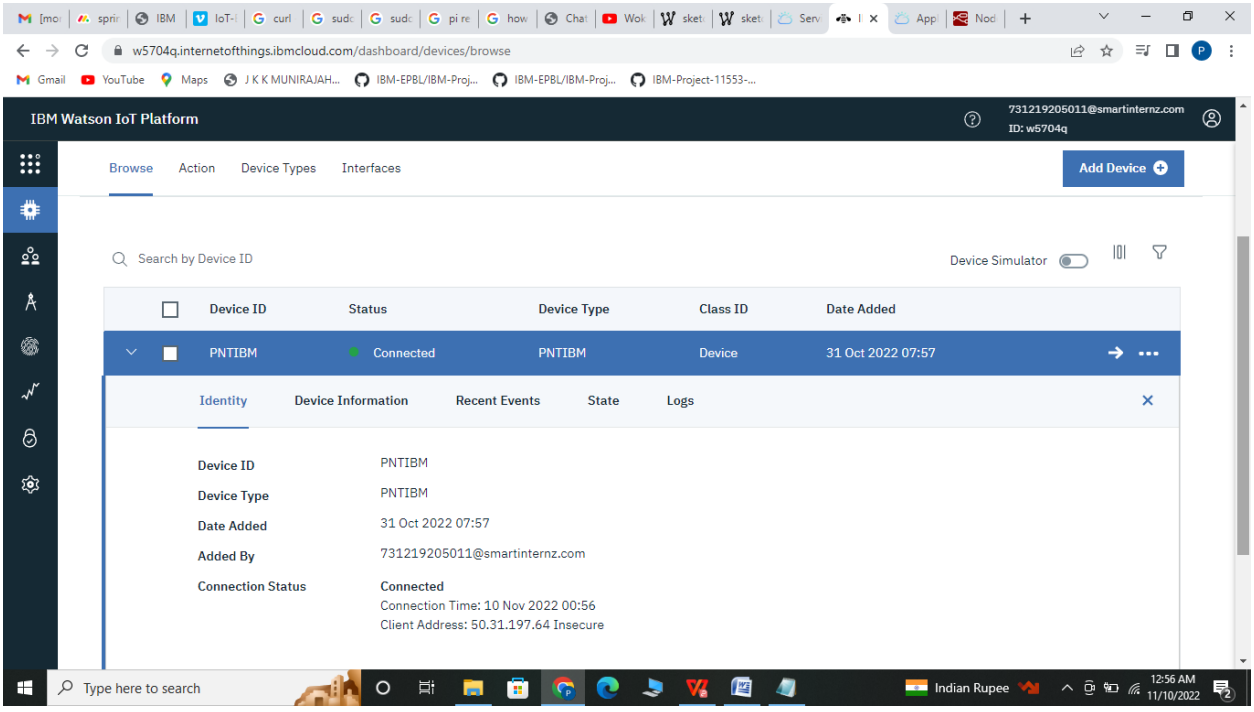
```
import random
import imbiotf.application
import ibmiotf.device
import requests,json
myConfig = {#configuration
    "identity":{
"orgId": "w5704q",
"typeId": "PNTIBM",
"deviceId": "PNTIBM"
},
#API Key
"auth":{
"token":"WZi6IvG7x2rEYl?pc8"
}
}
#Receiving callbacks from IBM IOT platform
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" %cmd.data['command'])
    m=cmd.data['command']
client = wiot.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
#openWeatherMap Credentials
BASE_URL = "https://api.openweathermap.org/data/2.5/weather?"
CITY = "Chennai"
URL = BASE_URL + "q=" + CITY + "&units=metric"+"&appid="+"01df65417ab3968e3fc2a38c4aee27bb"
while True:
    response = requests.get(URL)
    if response.status_code ==200:
        data = response.json()
```

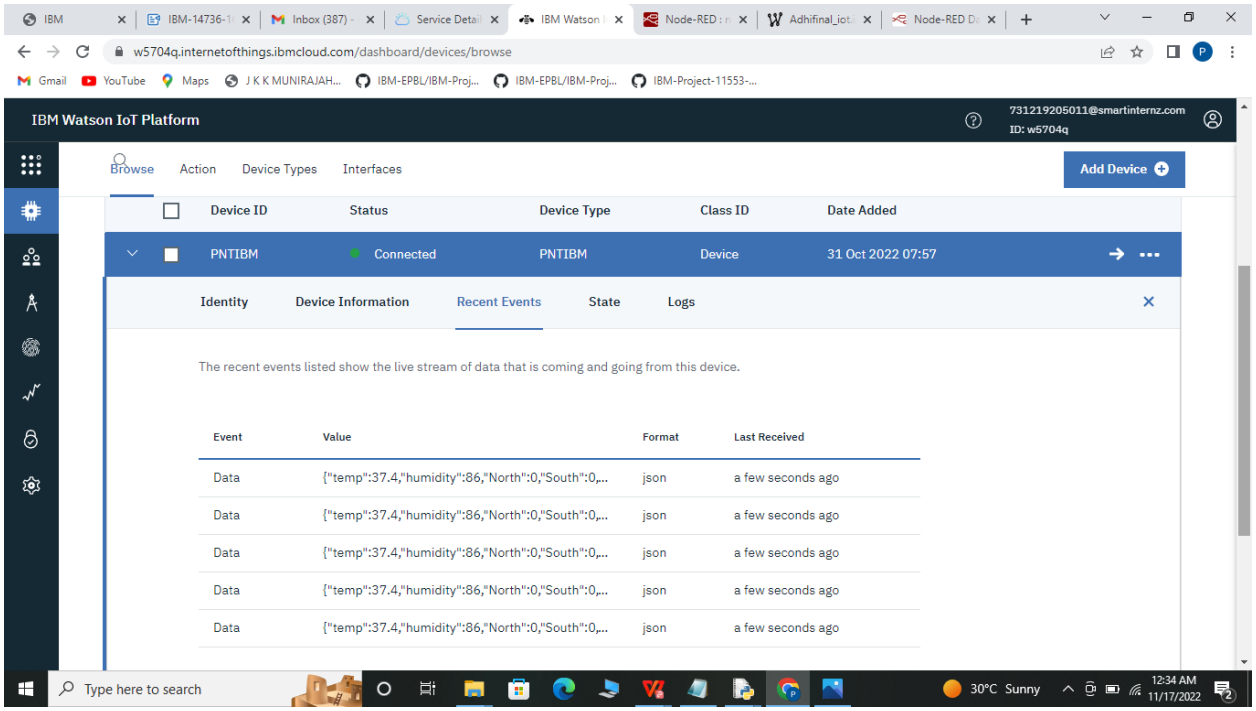
Ln: 28 Col: 0

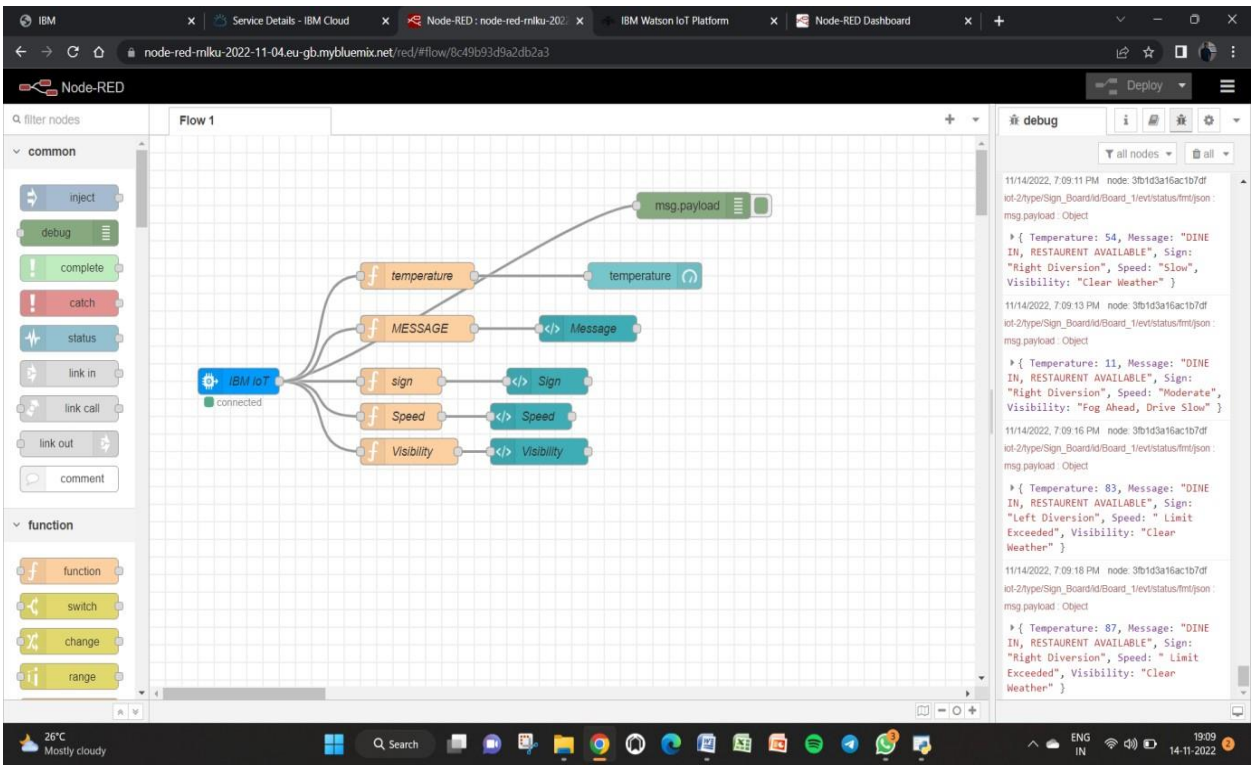
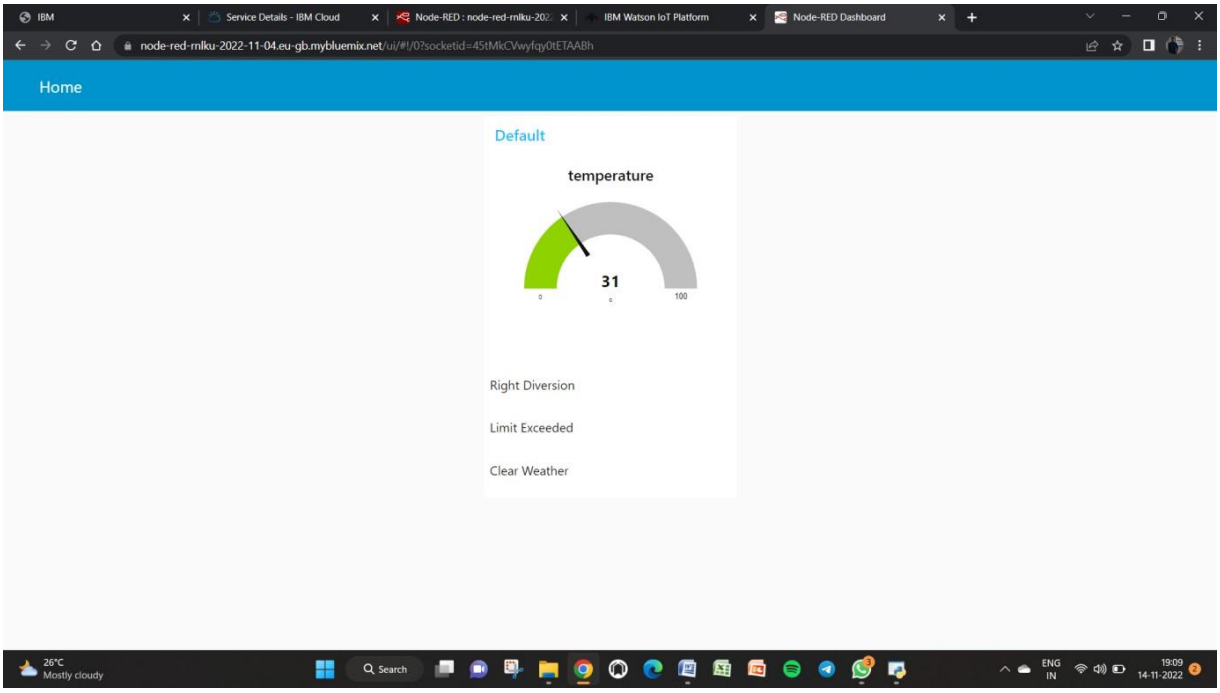
Type here to search 31°C 1:49 AM 11/17/2022



Wokwi simulation is connected in IBM Watson




IBM Watson IoT Platform
731219205011@smartinternz.com
ID: w5704q
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
PNTIBM
Connected
PNTIBM
Device
31 Oct 2022 07:57
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
Data
{"temp":37.4,"humidity":86,"North":0,"South":0,...
json
a few seconds ago
Type here to search
30°C Sunny
12:34 AM
11/17/2022


Node-RED
Deploy
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
IBM IoT
connected
temperature
MESSAGE
sign
Speed
Visibility
msg.payload
temperature
Message
Sign
Speed
Visibility
debug
26°C
Mostly cloudy
Search
ENG
IN
19:09
14-11-2022

Node-RED Page (web UI) :