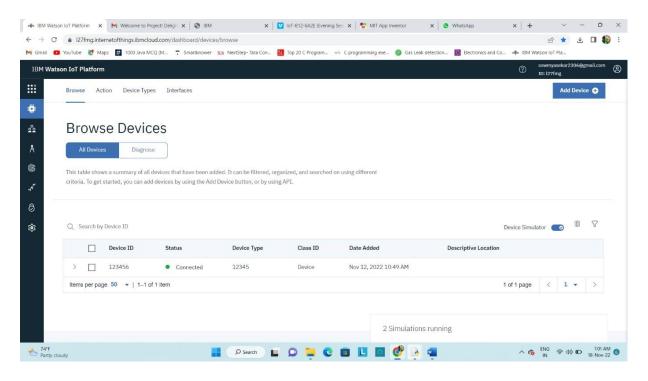
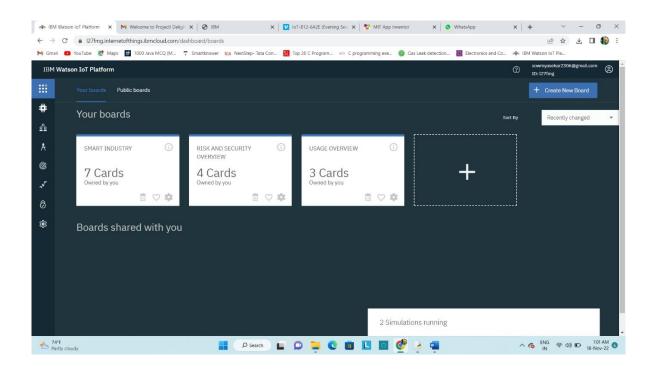
## PROJECT DEVELOPMENT PHASE

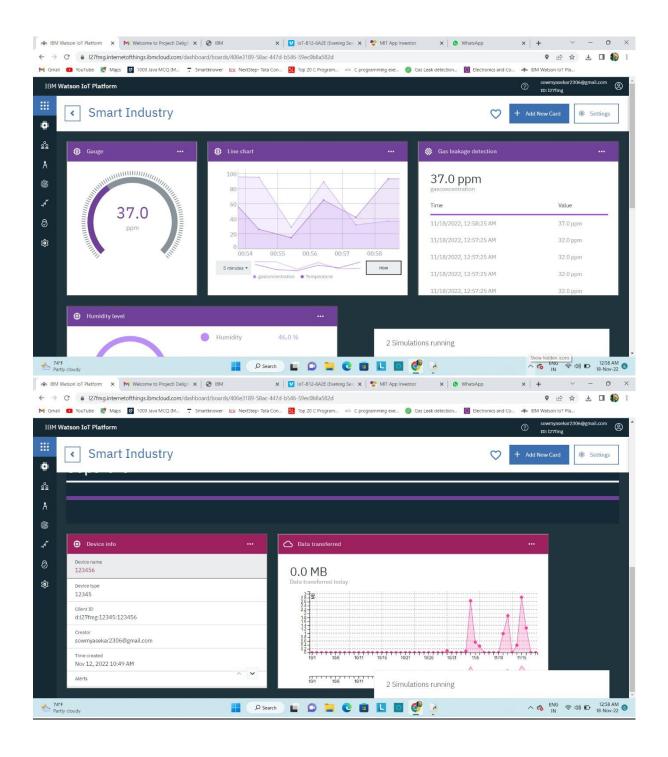
## **SPRINT 2**

Date	18 November 2022
Team ID	PNT2022TMID53681
Project name	Gas Leakage Monitoring & Alerting System for Industries

## **IBM WATSON:**







## **PYTHON CODE CONNECTED WITH WATSON:**

import time

import sys

import ibmiotf.application

import ibmiotf.device

import random

organization = "I27fmg"

```
deviceType = "12345"
<u>deviceId = "123456"</u>
authMethod ="token"
authToken = "123456789"
def myCommandCallback(cmd):
print("Command received: %s" % cmd.data['command'])
status=cmd.data['command']
if status=="alarmon":
 print ("Alarm is on")
elif status =="alarmoff":
 print ("Alarm is off")
else:
print ("Please send proper command")
try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId,"auth-
method":authMethod, "auth-token" :authToken}
   deviceCli = ibmiotf.device.Client(deviceOptions)
except Exception as e:
 print("Caught exception connecting device %s" % str(e))
  sys.exit()
deviceCli.connect()
while True:
 gasconcentration = random.randint(50,110)
 Humidity =random.randint(90,110)
  Temperature = random.randint(90,110)
if gasconcentration>80:
 gas_status=" Hurry gas is leaking \n Alert!!!!"
```

deviceCli.disconnect()

