SPRINT 2

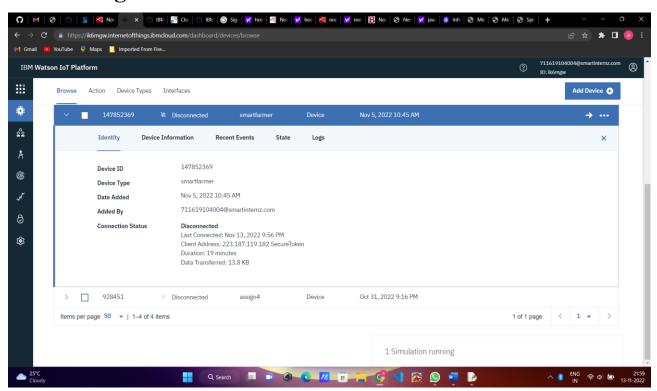
Date	11 th November - 2022
Team ID	PNT2022TMID42737
Project Name	Project – Smart Farmer-IoT Enabled
	smart Farming Application

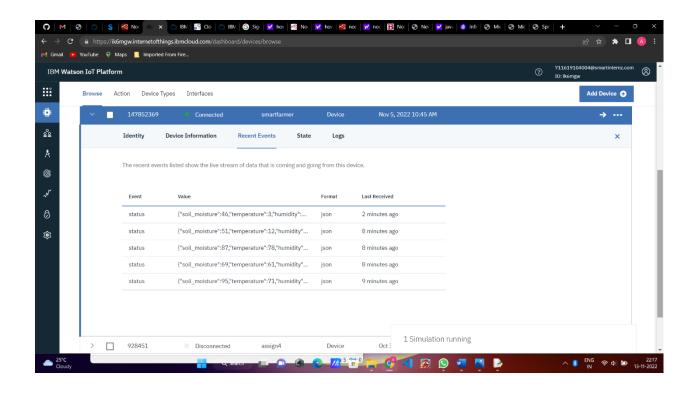
Python code with random values generator:

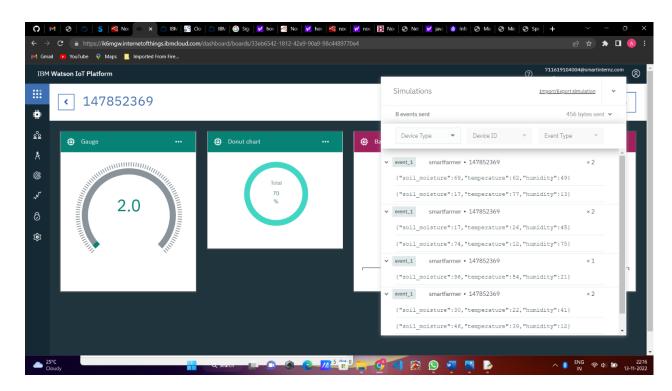
```
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
   "identity":{
     "orgId": "ik6mgw",
     "typeId": "smartfarmer",
     "deviceId": "147852369"
},
  "auth": {
     "token": "9790375943"
}
client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None)
client.connect()
def myCommandCallback(cmd) :
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
  m=cmd.data['command']
  if(m== "motoron"):
```

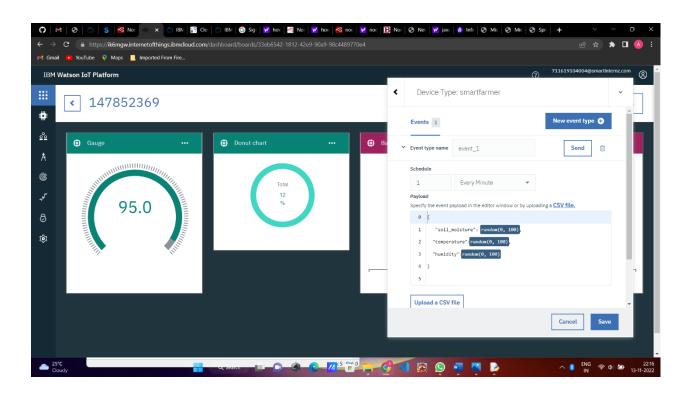
```
print("Motor is switched on")
  elif (m== "motoroff"):
     print ("Motor is switched OFF")
  print(" ")
while True:
     soil=random.randint(0,100)
     temp=random.randint(0,100)
     hum=random.randint(0,100)
     myData={'soil_moisture': soil, 'temperature':temp, 'humidity':hum}
     client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
     print("Published data Successfully: %s", myData)
     time.sleep(10)
     client.commandCallback = myCommandCallback
client.disconnect();
```

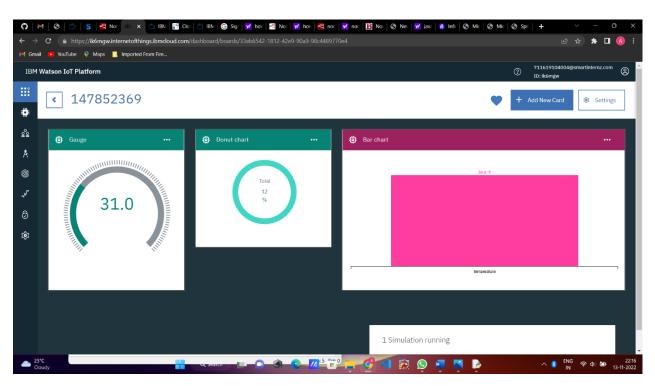
Connecting IoT Simulator to IBM Watson IoT Platform:











Configuration of Node-Red to collect Data from Ibm cloud:

