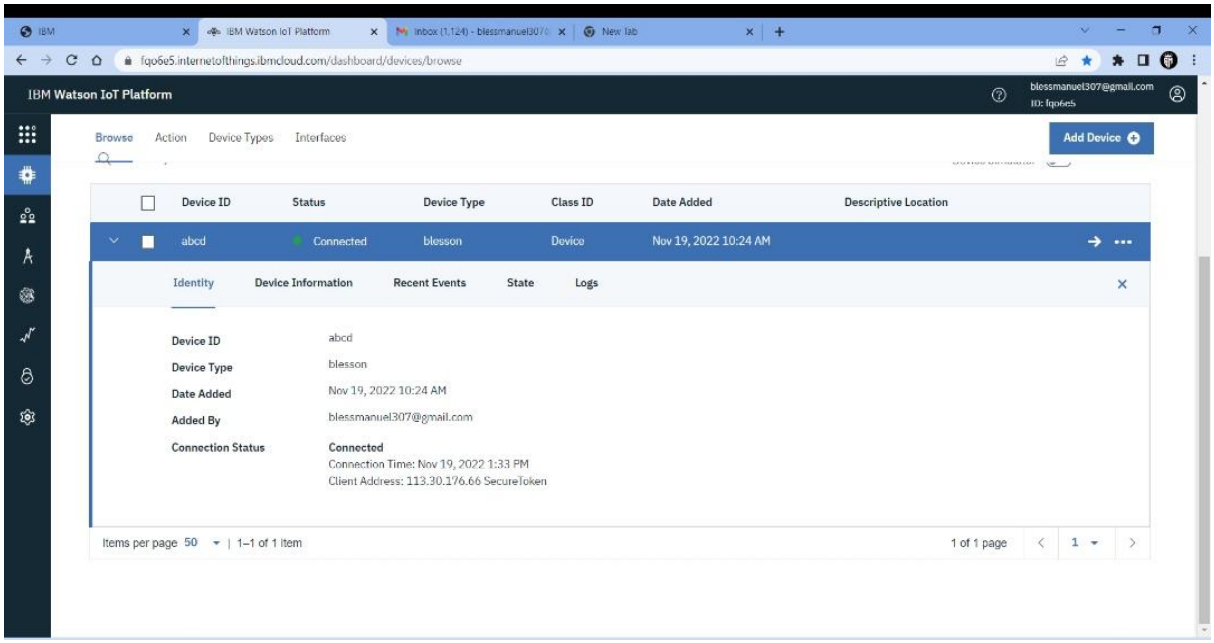
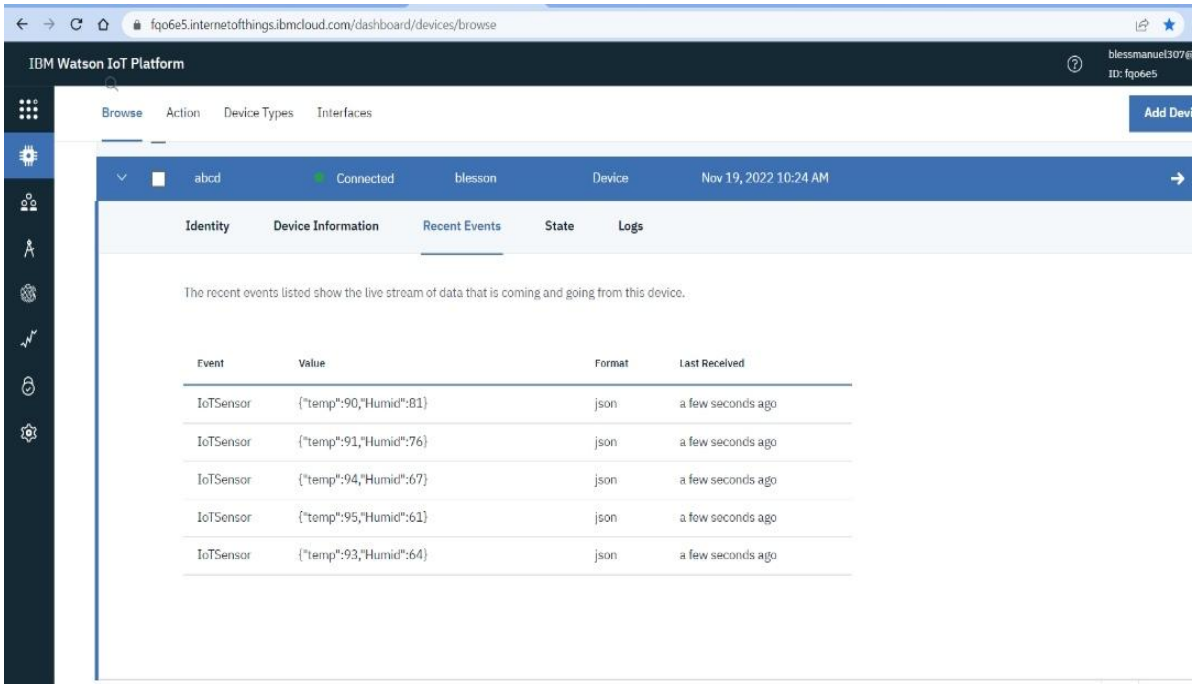
Project Development Phase

Sprint-2

Date	7 November 2022
Team Id	PNT2022TMID46726
Project Name	Hazardous Area Monitoring for Industrial Plant Powered by Iot

Coding to stimulate:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time import random
myConfig = {
 "identity": {
 "orgId": "fqo6e5",
 "typeId": "blesson",
 "deviceId":"abcd"
 },
 "auth": { "token": "23456789"
 }
}
def myCommandCallback(cmd):
 print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True: temp=random.randint(-
20,125) gas=random.randint(0,100)
myData={'temperature':temp, 'gas':gas}
 client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
 print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback time.sleep(2)
client.disconnect()
```

OUTPUT:

Connection Details