Project Planning phase
SPRINT-1
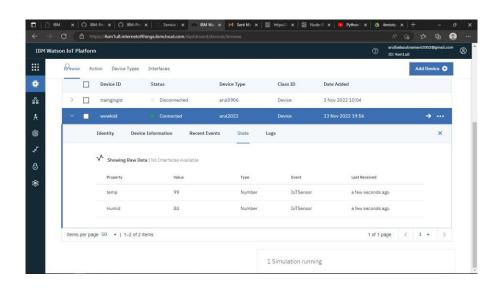
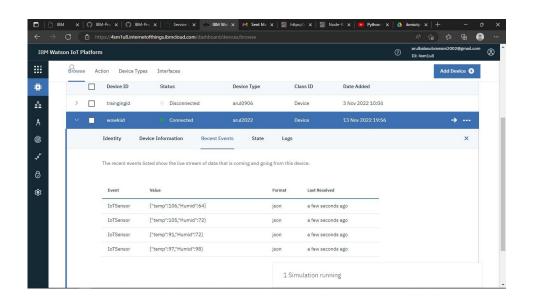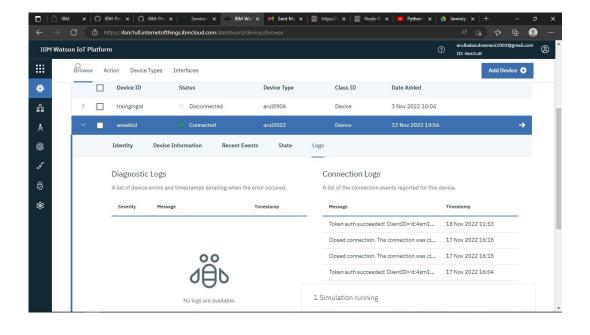|	
Date	17 NOV 2022
Team ID	PNT2022TMID07789
Project Name	Project-Industry-specific intelligent fire management system

Submitted by:

Team Leader: NAVEENA
Team member: RAHUL KISHORE
Team member:NANDHAKUMAR
Team member: RISHVANTH

OUTPUT:

IBM Watson IoT Platform

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ID: 4sm1u8

Browse   Action   Device Types   Interfaces

Add Device

	Device ID	Status	Device Type	Class ID	Date Added
>	traingingid	Disconnected	arul0906	Device	3 Nov 2022 10:04
∨	wowkiid	● Connected	arul2022	Device	13 Nov 2022 19:56

Identity   Device Information   Recent Events   State   Logs

Diagnostic Logs

A list of device errors and timestamps detailing when the error occured.

Severity	Message	Timestamp

Connection Logs

A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID='d:4sm1...	18 Nov 2022 11:53
Closed connection. The connection was cl...	17 Nov 2022 16:15
Closed connection. The connection was cl...	17 Nov 2022 16:15
Token auth succeeded: ClientID='d:4sm1...	17 Nov 2022 16:04

No logs are available.

1 Simulation running

Python 3.7.0 Shell

File Edit Shell Debug Options Window Help

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: D:\ibmiotpublishsubscribe.py ====================
2022-11-18 11:53:15,816   ibmiotf.device.Client      INFO   Connected successfully: d:4smlu8:arul2022:wowkiid
Published Temperature = 94 C Humidity = 100 % to IBM Watson
Published Temperature = 105 C Humidity = 90 % to IBM Watson
Published Temperature = 102 C Humidity = 65 % to IBM Watson
Published Temperature = 109 C Humidity = 90 % to IBM Watson
Published Temperature = 108 C Humidity = 94 % to IBM Watson
Published Temperature = 110 C Humidity = 87 % to IBM Watson
Published Temperature = 90 C Humidity = 100 % to IBM Watson
Published Temperature = 108 C Humidity = 77 % to IBM Watson
Published Temperature = 93 C Humidity = 81 % to IBM Watson
Published Temperature = 106 C Humidity = 78 % to IBM Watson
Published Temperature = 98 C Humidity = 81 % to IBM Watson
Published Temperature = 107 C Humidity = 89 % to IBM Watson
Published Temperature = 98 C Humidity = 97 % to IBM Watson
Published Temperature = 106 C Humidity = 83 % to IBM Watson
Published Temperature = 104 C Humidity = 61 % to IBM Watson
Published Temperature = 109 C Humidity = 89 % to IBM Watson
Published Temperature = 99 C Humidity = 84 % to IBM Watson
Published Temperature = 97 C Humidity = 98 % to IBM Watson
Published Temperature = 91 C Humidity = 72 % to IBM Watson
Published Temperature = 105 C Humidity = 72 % to IBM Watson
Published Temperature = 106 C Humidity = 64 % to IBM Watson
Published Temperature = 99 C Humidity = 65 % to IBM Watson
Published Temperature = 104 C Humidity = 82 % to IBM Watson
Published Temperature = 97 C Humidity = 87 % to IBM Watson
Published Temperature = 92 C Humidity = 91 % to IBM Watson
Published Temperature = 91 C Humidity = 84 % to IBM Watson
Published Temperature = 106 C Humidity = 60 % to IBM Watson
```

Ln: 5 Col: 0

---

ibmiotpublishsubscribe.py - D:\ibmiotpublishsubscribe.py (3.7.0)

File Edit Format Run Options Window Help

```python
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "4smlu8"
deviceType = "arul2022"
deviceId = "wowkiid"
authMethod = "token"
authToken = "1pdU1OM-8X0?Mmnwkf"

# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    elif status == "lightoff":
        print ("led 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()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()

while True:
        #Get Sensor Data from DHT11

        temp=random.randint(90,110)
        Humid=random.randint(60,100)

        data = { 'temp' : temp, 'Humid': Humid }
        #print data
```

Ln: 12 Col: 31