SPRINT 2

Project Title	Industry-specific intelligent fire management system	
Team ID	PNT2022TMID09410	
Date	5 NOV 2022	

Code for Simulation

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "s8ov1q",
    "typeId": "abcd",
    "deviceId":"12345"
  },
  "auth": {
    "token": "12345678"
  }
}
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)
  hum=random.randint(0,100)
  flame=random.randint(0,50)
 gas=random.randint(0,100)
 myData={'temperature':temp, 'humidity':hum,'flame':flame,'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 (IBM IOT Watson)

Connection Details

	Device ID	Status	Device Type	Class ID	Date Added		
~	12345	Connected	abcd	Device	Nov 15, 2022 11:38 AM	→	
	Identity	Device Information	Recent Events State	Logs		×	
	Device ID	12345					
	Device Type	abcd					
	Date Added	Nov 15, 202	Nov 15, 2022 11:38 AM				
	Added By	gayathri19m	gayathri19m2001@gmail.com				
	Connection Sta	Status Connected Connection Time: Nov 16, 2022 10:06 PM Client Address: 223.181.233.93 SecureToken					



