SPRINT-2

TEAM ID	PNT2022TMID10980
PROJECT NAME	INDUSTRY - SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
IBM ID	IBM-Project-62210-1658823576

CodeforSimulation:

```
#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.command Callback = my Command Callback \\
time.sleep(2)
client.disconnect()
```

OUTPUT(IBMIOTWatson): CONNECTION DETAILS:

	Device ID	Status	Device Type	Class ID	Date Added			
v	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	dhanusha	asamidurai@gmail.com					
	Connection Sta	Connection	Time: Nov 16, 2022 10:06 PM ess: 223.181.233.93 SecureTo					



