## Industry-specific intelligent fire management system Sprint 2

## **Python code and IBM Watson**

```
def myCommandCallback1(cmd):
def myCommandCallback2(cmd):
  deviceOptions = {"org": organization, "type": deviceType, "id":
```

```
while True:
    #Get Sensor Data from DHT11

    temp=random.randint(0,70)
    gas=random.randint(0,100)
    flame=random.randint(0,1)

    data = { 'temp' : temp, 'gas': gas, 'flame': flame }
    #print data
    def myOnPublishCallback():
        print ("Published Temperature = %s C" % temp, "Gas = %s %%" %
gas, "flame = %s %%" % flame, "to IBM Watson")

success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0,
on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoTF")
        time.sleep(1)

        deviceCli.commandCallback1 = myCommandCallback1
        deviceCli.commandCallback2 = myCommandCallback2

# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

## IBM WATSON CONNECTION:



