

Project Development - Delivery Of Sprint-1

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| Team ID | PNT2022TMID41307 |
| Project Name | Gas Leakage Monitoring and Alerting System |

Developing a python script to send the random sensor data of Hazardous gas levels, temperature, humidity, pressure.

Python Code:

```
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity":
    {
        "orgId": "9yby55",
        "typeId": "Gas",
        "deviceId": "18"
    },
    "auth":
    {
        "token": "zlbdsvljWkP@1S34*&"
    }
}
```

```
}  
}
```

```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)  
client.connect()
```

```
while True:
```

```
    TemperatureZ1=random.randint(60,100)  
    HumidityZ1=random.randint(60,100)  
    GasLevelZ1=random.randint(20,100)  
    PressureZ1=random.randint(20,100)  
    TemperatureZ2=random.randint(60,100)  
    HumidityZ2=random.randint(60,100)  
    GasLevelZ2=random.randint(20,100)  
    PressureZ2=random.randint(20,100)
```

```
    myData={'TemperatureZ1':TemperatureZ1,'HumidityZ1':HumidityZ1,'GasLevelZ1':GasLevelZ1,'PressureZ1':PressureZ1,'TemperatureZ2':  
    TemperatureZ2, 'HumidityZ2':HumidityZ2,'GasLevelZ2':GasLevelZ2,'PressureZ2':PressureZ2}  
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)  
    print("Published data Successfully: %s", myData , "to the IBM Platform")  
    time.sleep(2)  
client.disconnect()
```