

PYTHON CODE

Date	15 NOVEMBER 2022
Team ID	PNT2022TMID39386
Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT BY IOT

PYTHON CODE

```
import random  
print('Hazardous  
Gas  
Level=',str(random.randint(0,100)))  
print('Temperature=',str(random.randint(0,100)))  
print('Humidity=',str(random.randint(0,100)))  
print('Pressure=',str(random.randint(0,100)))
```

OUTPUT:

BrowseActionDevice TypesInterfaces

Add Device

Device ID

Status

Device Type

Class ID

Date Added

Descriptive Location

12345

Disconnected

sairaj

Device

12 Nov 2022 11:07 PM

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_2	{"Hazardous gas":34,"Temperature":42,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":49,"Temperature":18,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":57,"Temperature":34,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":45,"Temperature":75,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":14,"Temperature":36,"Humidit...	json	a few seconds ago

1 Simulation running

BrowseActionDevice TypesInterfaces

Browse Devices

All DevicesDiagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device ID	Status	Device Type	Class ID
12345	Disconnected	sairaj	Device
ultrasonic_sensor	Disconnected	ESP32_controller	Device

Items per page 50 | 1-2 of 2 items

Device Type: sairaj

Events 1

New event type

Event type name event_2

Send

Schedule

60 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "Hazardous gas": random(0,100)
2   "Temperature": random(0,100)
3   "Humidity": random(0,100)
4   "Pressure": random(0,100)
5 }
```

Upload a CSV file

CancelSave