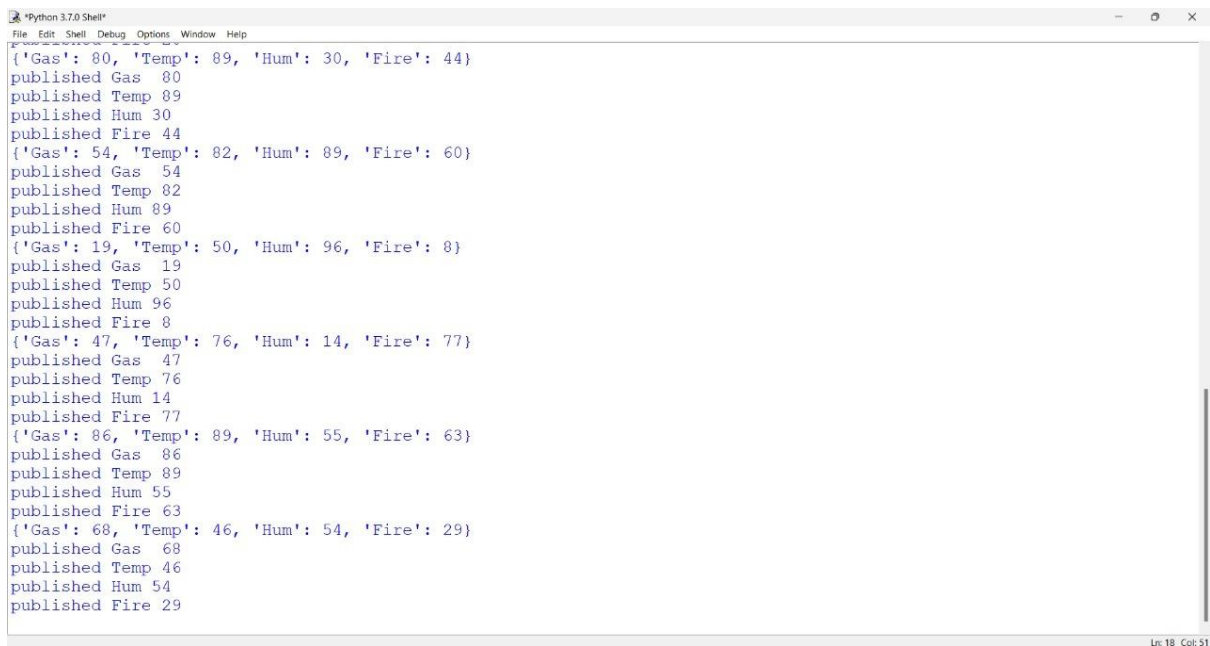# CLOUD DEPLOYMENT

Team ID	PNT2022TMID43411
Team Members	JOTHI KRISHNA T – 715519106018 KARTHIKEYAN A - 715519106020 NITHIYANANTH S - 715519106031 VIPIN L - 715519106059
Project Title	Gas Leakage Monitoring And Alerting System For Industries

The output obtained from the python code is:

   The data has been published to the IBM cloud. Thus in the python script, the values for the gas, temperature, humidity and fire have been generated and published to IBM cloud platform.

   This is achieved by importing the required libraries in the python script and also specifying the organization, deviceType, deviceid, authMethod and authToken to integrate with the specific cloud account, so that the data will be published to IBM cloud platform.

VIPIN L - 715519106059

Browse   Action   Device Types   Interfaces

Search by Device ID   Device S

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
	789456	● Connected	ESP32	Device	3 Nov 2022 10:59	

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
IoTSensor	{"Gas":10,"Temp":89,"Hum":59,"Fire":27}		json	a few seconds ago
IoTSensor	{"Gas":28,"Temp":8,"Hum":31,"Fire":77}		json	a few seconds ago
IoTSensor	{"Gas":45,"Temp":88,"Hum":15,"Fire":56}		json	a few seconds ago
IoTSensor	{"Gas":58,"Temp":31,"Hum":4,"Fire":24}		json	a few seconds ago
IoTSensor	{"Gas":17,"Temp":62,"Hum":49,"Fire":98}		json	a few seconds ago

0 Simulations running

JOTHI KRISHNA T – 715519106018

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Search by Device ID   Device S

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
	1234	● Connected	Esp32	Device	3 Nov 2022 10:55	

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
IoTSensor	{"Gas":73,"Temp":45,"Hum":59,"Fire":36}		json	a few seconds ago
IoTSensor	{"Gas":58,"Temp":88,"Hum":55,"Fire":52}		json	a few seconds ago
IoTSensor	{"Gas":78,"Temp":6,"Hum":75,"Fire":67}		json	a few seconds ago
IoTSensor	{"Gas":87,"Temp":33,"Hum":87,"Fire":46}		json	a few seconds ago
IoTSensor	{"Gas":8,"Temp":19,"Hum":33,"Fire":36}		json	a few seconds ago

KARTHIKEYAN A – 715519106020

IBM Watson IoT Platform

karthikeyan31032001@gmail.com
ID: griwxv

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griwxv
ID: griwxv
Bluemix Free

		Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
∨	☐	12345678	● Connected	ESP32	Device	Nov 3, 2022 11:19 AM	

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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
IoTSensor	{"Gas":7,"Temp":26,"Hum":44,"Fire":9}	json	a few seconds ago
IoTSensor	{"Gas":19,"Temp":30,"Hum":97,"Fire":69}	json	a few seconds ago
IoTSensor	{"Gas":52,"Temp":55,"Hum":24,"Fire":82}	json	a few seconds ago
IoTSensor	{"Gas":15,"Temp":38,"Hum":3,"Fire":17}	json	a few seconds ago
IoTSensor	{"Gas":38,"Temp":48,"Hum":23,"Fire":55}	json	a few seconds ago

0 Simulations running

NITHIYANANTH S – 715519106031

IBM Watson IoT Platform

nithiyananths@gmail.com
ID: 93elj1

Browse   Action   Device Types   Interfaces

Search by Device ID

93elj1
ID: 93elj1
Bluemix Free

		Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
∨	☐	123456	● Connected	ESP32	Device	2 Nov 2022 20:09	

Service Status
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Privacy
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Sign Out

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
IoTSensor	{"Gas":39,"Temp":74,"Hum":72,"Fire":85}	json	a few seconds ago
IoTSensor	{"Gas":100,"Temp":10,"Hum":71,"Fire":89}	json	a few seconds ago
IoTSensor	{"Gas":21,"Temp":64,"Hum":80,"Fire":91}	json	a few seconds ago
IoTSensor	{"Gas":91,"Temp":90,"Hum":61,"Fire":35}	json	a few seconds ago
IoTSensor	{"Gas":53,"Temp":37,"Hum":19,"Fire":79}	json	a few seconds ago

Gas leakage

Gas

Gas level

94C

Alert message
Alert

Hum

Hum

4
units

Temp

Temp

Fire

Fire

Fire
units

Sprinkler node
Sprinkler On