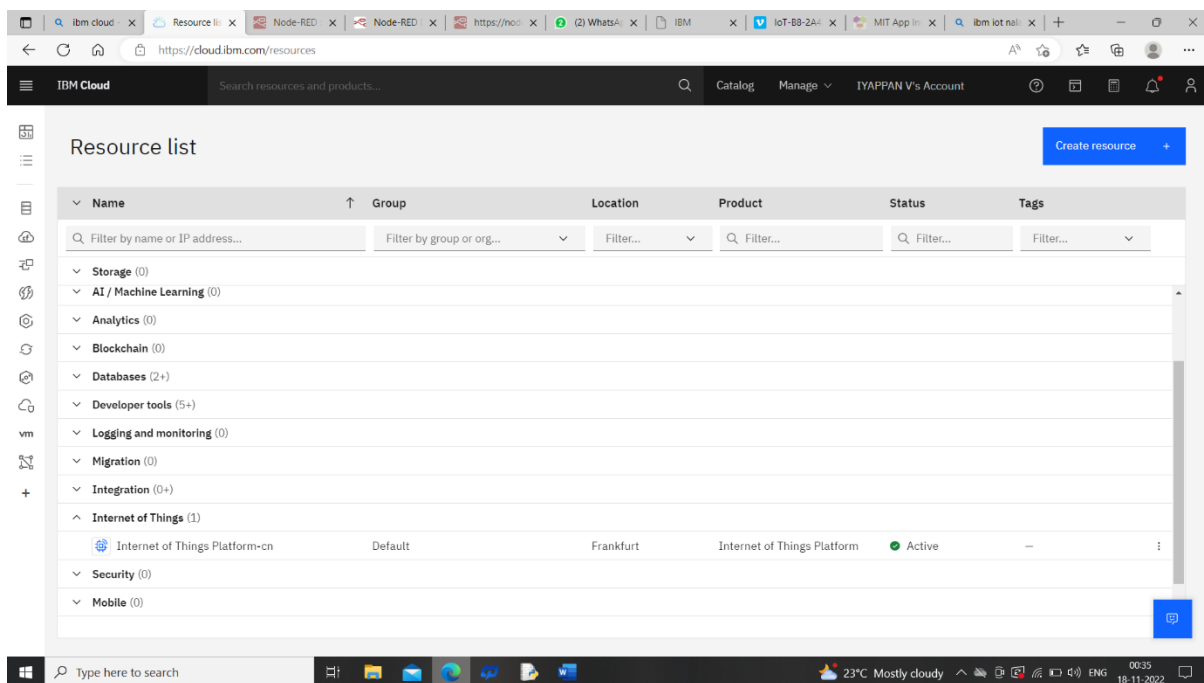


PROJECT DEVELOPMENT PHASE

DELIVERY OF - SPRINT 2

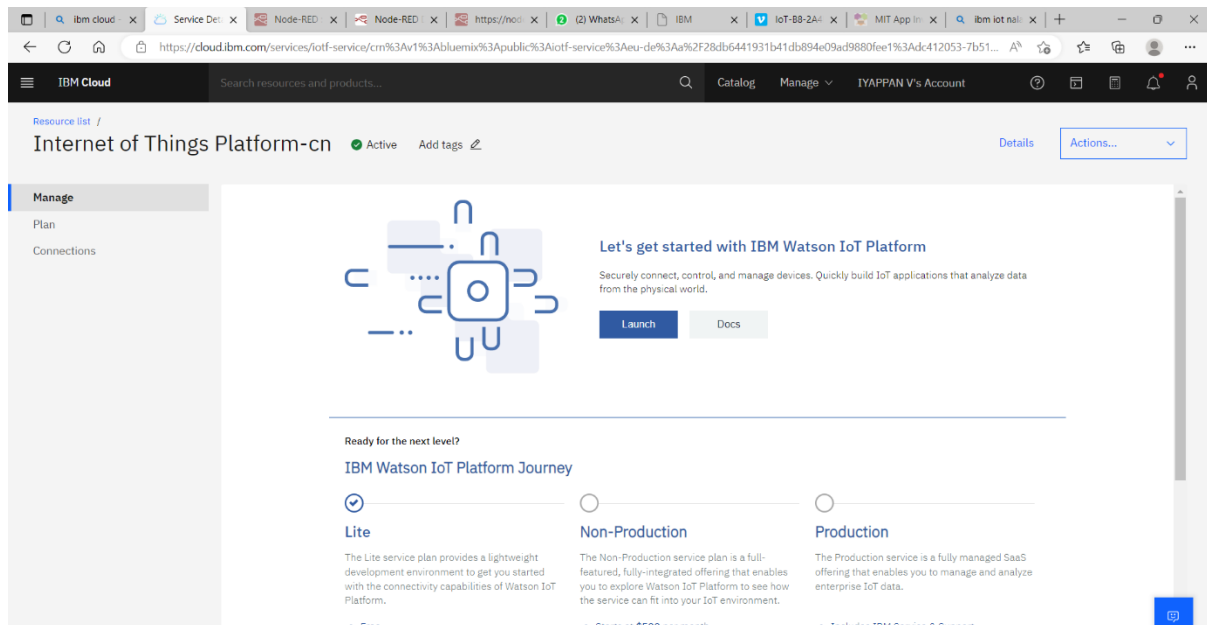
TEAM ID	PNT2022TMID06962
PROJECT NAME	Smart Waste managementsystem for metropolitan cities

IBM WATSON



Resource list

Name	Group	Location	Product	Status	Tags
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (2+)					
Developer tools (5+)					
Logging and monitoring (0)					
Migration (0)					
Integration (0+)					
Internet of Things (1)					
Internet of Things Platform-cn	Default	Frankfurt	Internet of Things Platform	Active	
Security (0)					
Mobile (0)					



Internet of Things Platform-cn

Let's get started with IBM Watson IoT Platform

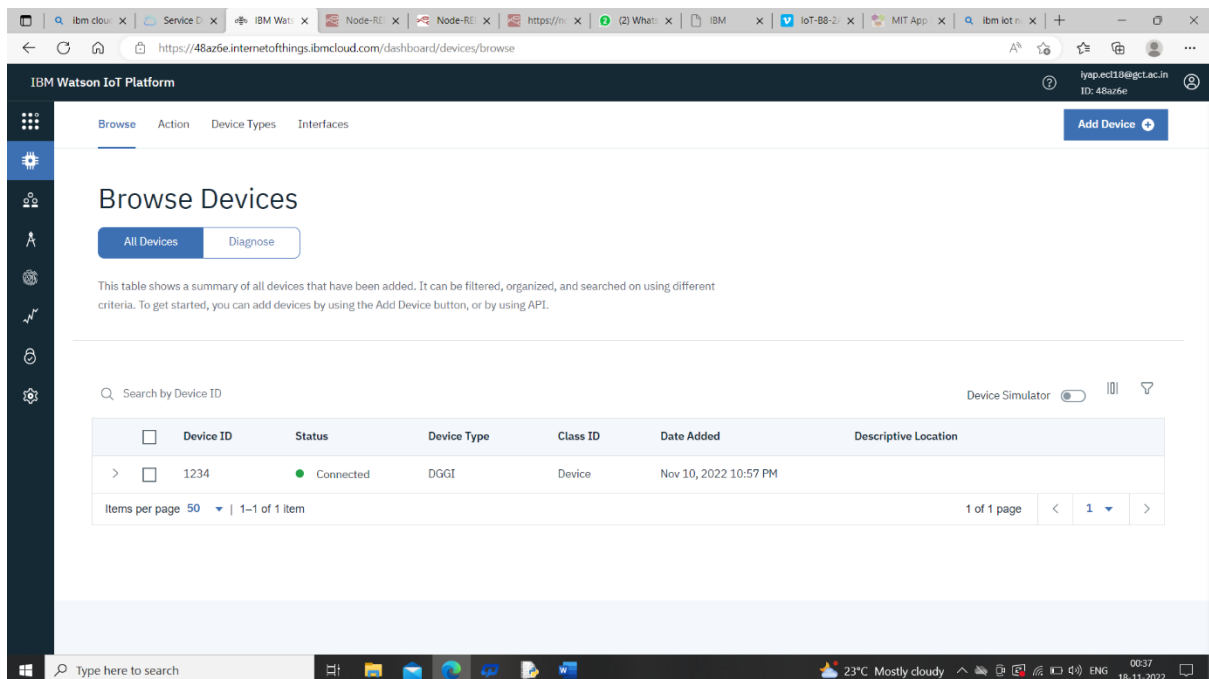
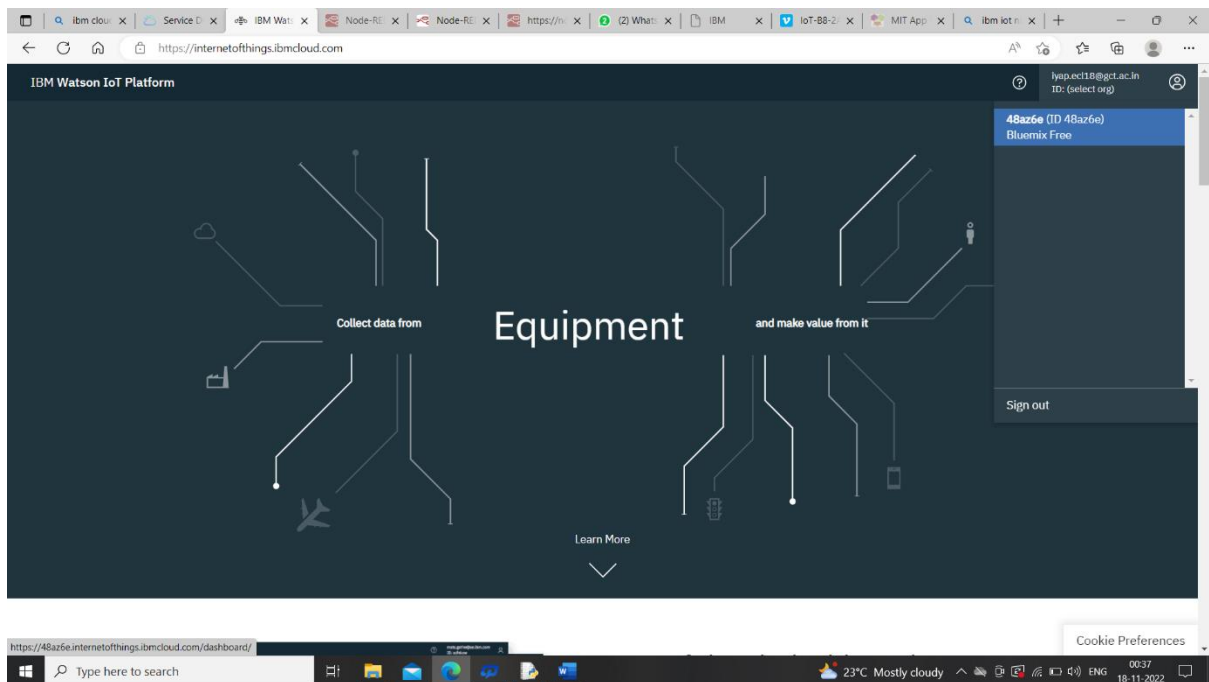
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch Docs

Ready for the next level?

IBM Watson IoT Platform Journey

- Lite**
The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.
- Non-Production**
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.
- Production**
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.



IBM WATSON RANDOM FUNCTION

CODE

```
{  
  "randomNumber": random(0, 100),  
  "temp": random(90,110),  
  "hum": random(30,70)  
}
```

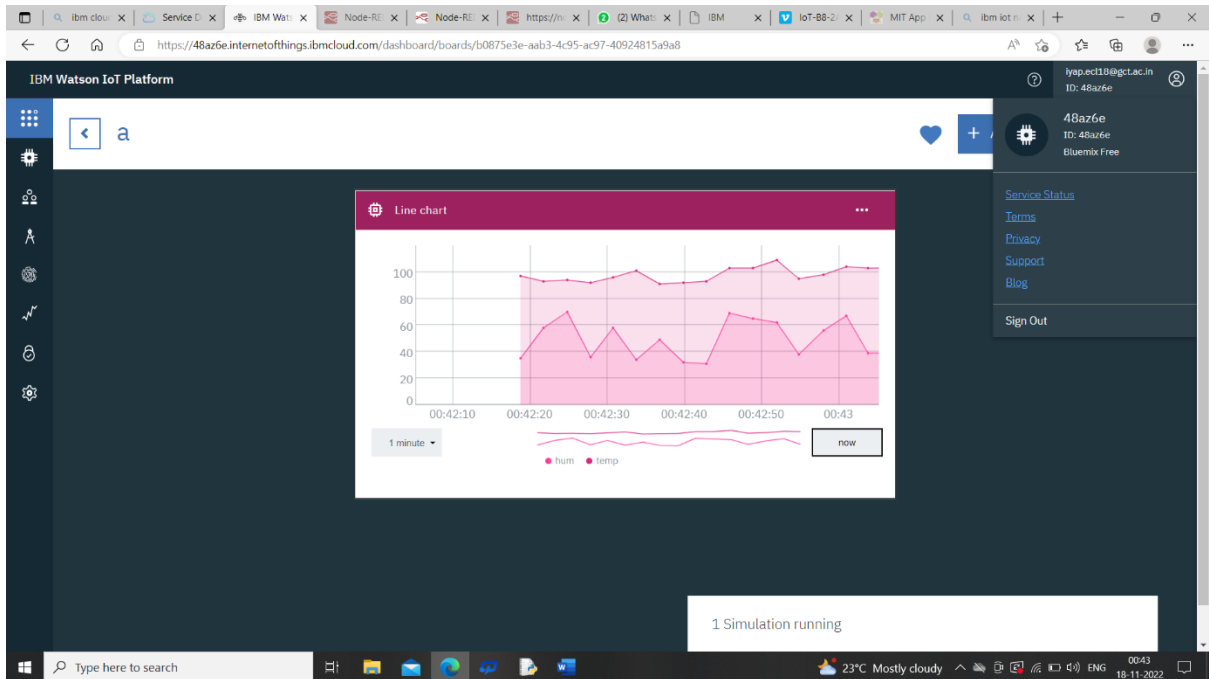
RANDOM FUNCTION IN IOT WASTON PLATFORM

The screenshot displays the IBM Watson IoT Platform interface. The main page is titled 'Browse Devices' and shows a table with columns: Device ID, Status, Device Type, Class ID, and Date Added. A single device is listed with ID 1234, status 'Connected', and type 'DGGI'. A modal window is open for creating a new event type, titled 'Device Type: DGGI'. The modal includes fields for 'Event type name' (set to 'iyappan'), 'Schedule' (set to '20 Every Minute'), and 'Payload'. The payload is a JSON object:

```
{  
  "randomNumber": random(0, 100),  
  "temp": random(90, 110),  
  "hum": random(30, 70)  
}
```

. The modal also has buttons for 'Send', 'Upload a CSV file', 'Cancel', and 'Save'.

Device ID	Status	Device Type	Class ID	Date Added
1234	Connected	DGGI	Device	Nov 10, 2022



IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234	Connected	DGGI	Device	Nov 10, 2022 10:57 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
iyappan	{"randomNumber":84,"temp":94,"hum":56}	json	a few seconds ago
event	{"weight":94,"level":23}	json	a few seconds ago
iyappan	{"randomNumber":72,"temp":103,"hum":70}	json	a few seconds ago
iyappan	{"randomNumber":89,"temp":90,"hum":60}	json	a few seconds ago

1 Simulation running

Type here to search

23°C Mostly cloudy

00:43 18-11-2022

GENERATE API KEY IN IBM WATSON

IBM Watson IoT Platform

Browse IBM Cloud Apps

[+ Generate API Key](#)

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

<input type="checkbox"/>	Key	Description	Role	Expires	
3 results					
<input type="checkbox"/>	a-48az6e-al10jsr4gw	-	Standard Application	-	View API Key
<input type="checkbox"/>	a-48az6e-ee07y9n7rx	API Key for the device simulator	Standard Application	-	View API Key
<input type="checkbox"/>	a-48az6e-qvcloruiqv	API Key for the device simulator	Standard Application	-	View API Key

1 Simulation running

IBM Watson IoT Platform

Browse IBM Cloud Apps

The API key has been added.

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.

Generated Details

API Key: a-48az6e-m7vaz2pyl2

Authentication Token: gEqLJRQuXP*X118IS

Warning: Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token.

API Key Information

Description: -

Role: Visualization Application

Expires: Never

[View API Key](#) [Add Another](#) [Close](#)

Browse API Keys

Type the app description to search for

1 Simulation running