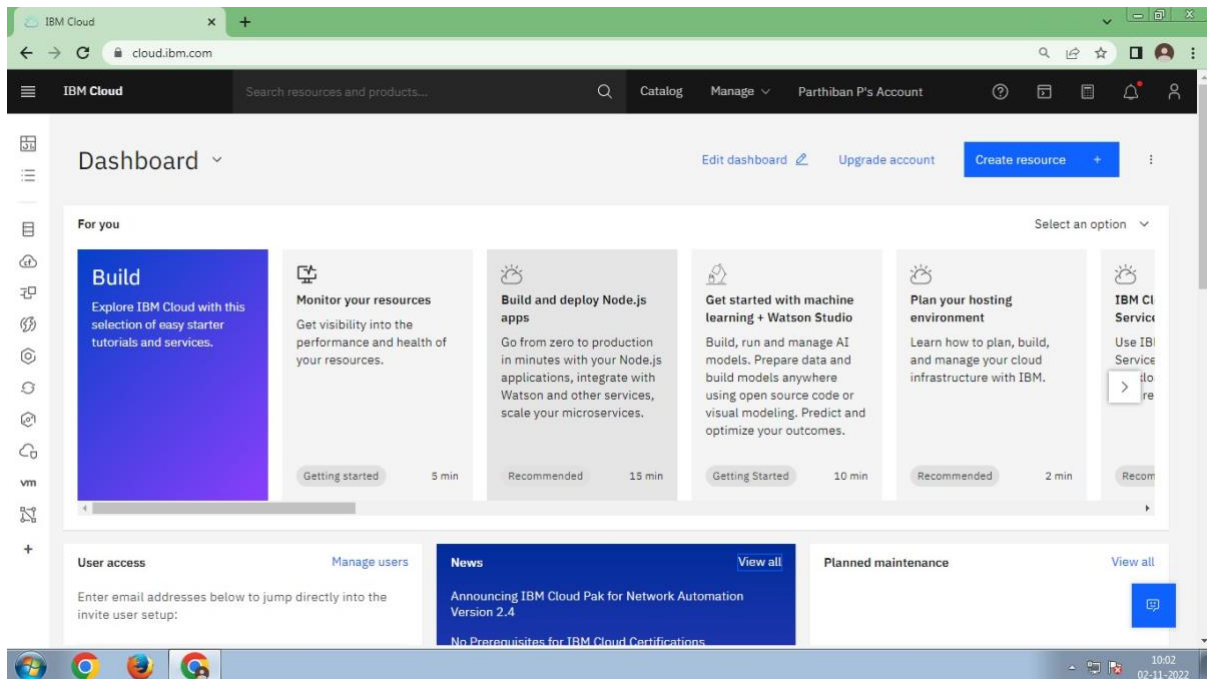
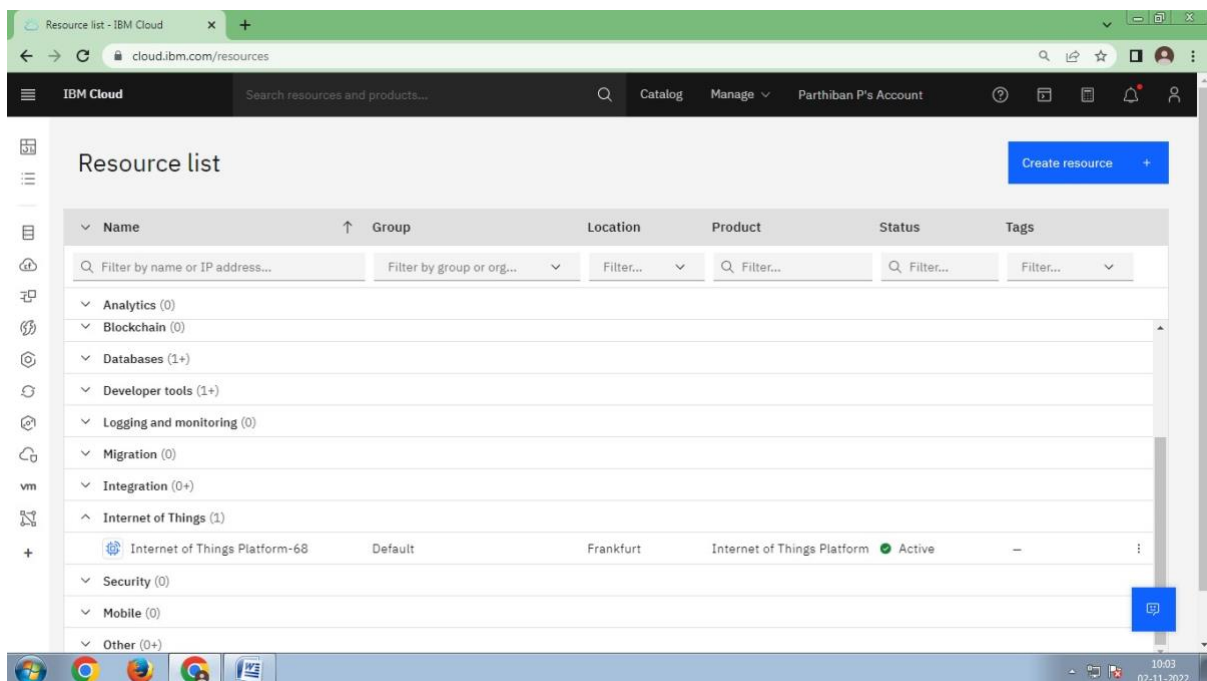


| | |
|----------------------|-----------------------------|
| Date: | 2 NOVEMBER 2022 |
| Team ID: | PNT2022TMID52171 |
| Project Name: | SMART SOLUTION FOR RAILWAYS |



The screenshot shows the IBM Cloud Dashboard in a web browser. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Parthiban P's Account). The main content area is titled "Dashboard" and features a "For you" section with several tiles: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services), "Monitor your resources" (Get visibility into the performance and health of your resources), "Build and deploy Node.js apps" (Go from zero to production in minutes with your Node.js applications, integrate with Watson and other services, scale your microservices), "Get started with machine learning + Watson Studio" (Build, run and manage AI models. Prepare data and build models anywhere using open source code or visual modeling. Predict and optimize your outcomes), "Plan your hosting environment" (Learn how to plan, build, and manage your cloud infrastructure with IBM), and "IBM Cloud Service" (Use IBM Service). Below these tiles, there are sections for "User access" (Manage users), "News" (Announcing IBM Cloud Pak for Network Automation Version 2.4), and "Planned maintenance".



The screenshot shows the IBM Cloud Resource list page. The top navigation bar is consistent with the dashboard. The main content area is titled "Resource list" and features a "Create resource" button. Below this, there is a table with columns: Name, Group, Location, Product, Status, and Tags. The table is filtered by "Internet of Things (1)". The only resource listed is "Internet of Things Platform-68", which is in the "Default" group, located in "Frankfurt", and is an "Internet of Things Platform" with a status of "Active".

| Name | Group | Location | Product | Status | Tags |
|--------------------------------|---------|-----------|-----------------------------|--------|------|
| Internet of Things Platform-68 | Default | Frankfurt | Internet of Things Platform | Active | - |

Catalog - IBM Cloud

cloud.ibm.com/catalog?category=iot#services

IBM Cloud Search resources and products...

Search the catalog...

Sell on IBM Cloud Catalog settings

Internet of Things

Alphabetically

Type

- All
- Services
- Software
- Professional services

Provider

- IBM (1)

Pricing plan

- Lite
- Free

Viewing 1 product

Filters: Internet of Things Services Clear all

Internet of Things Platform
By IBM

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Lite • Free • IAM-enabled • IBM supported

Service Details - IBM Cloud

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2F52078b2d31f64d2b86b5579c06cb5a48%3A07879472-8b...

IBM Cloud Search resources and products...

Resource list / Internet of Things Platform-xl Active Add tags

Details Actions...

Manage

- Plan
- Connections

Let's get started with IBM Watson IoT Platform

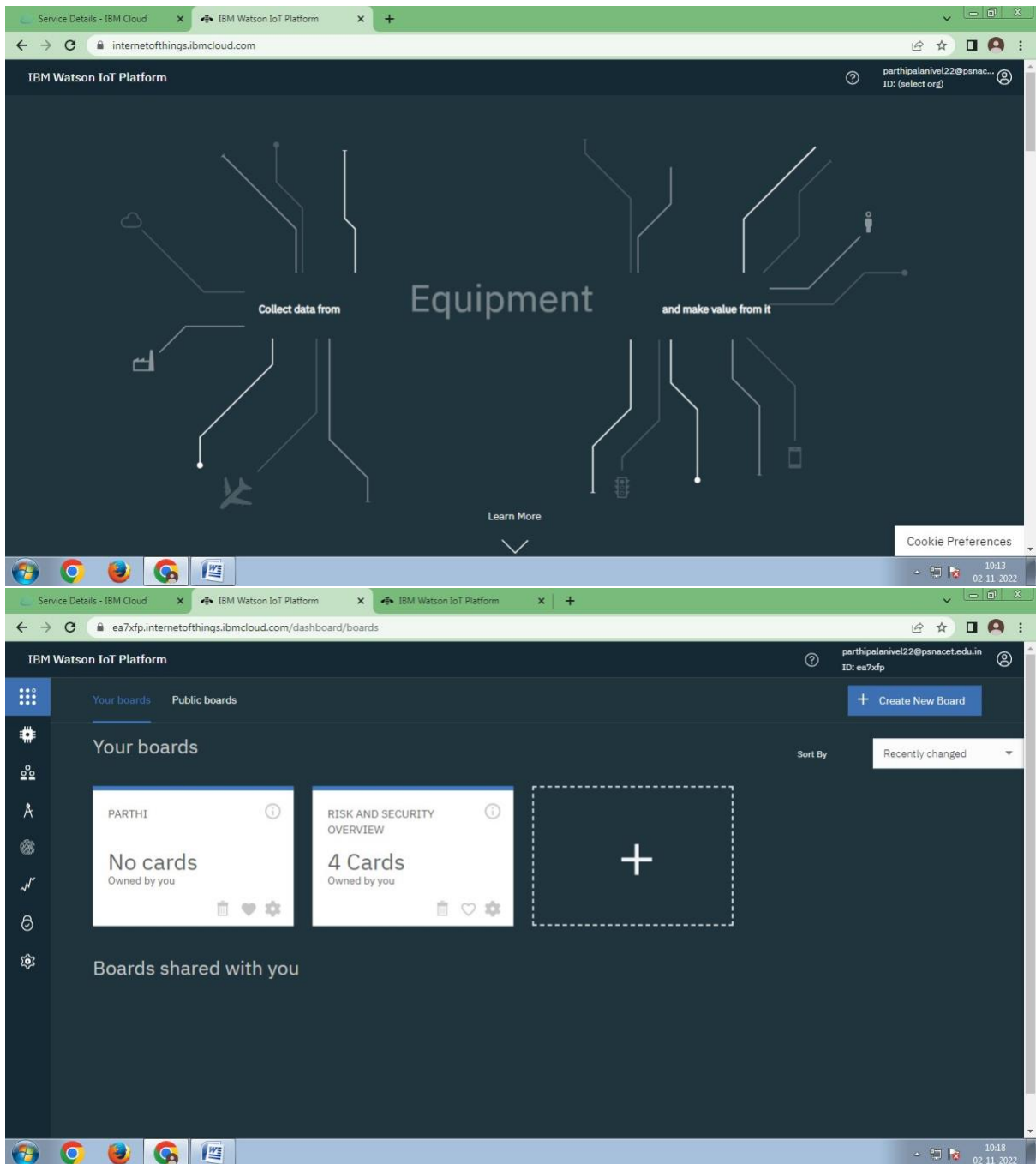
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

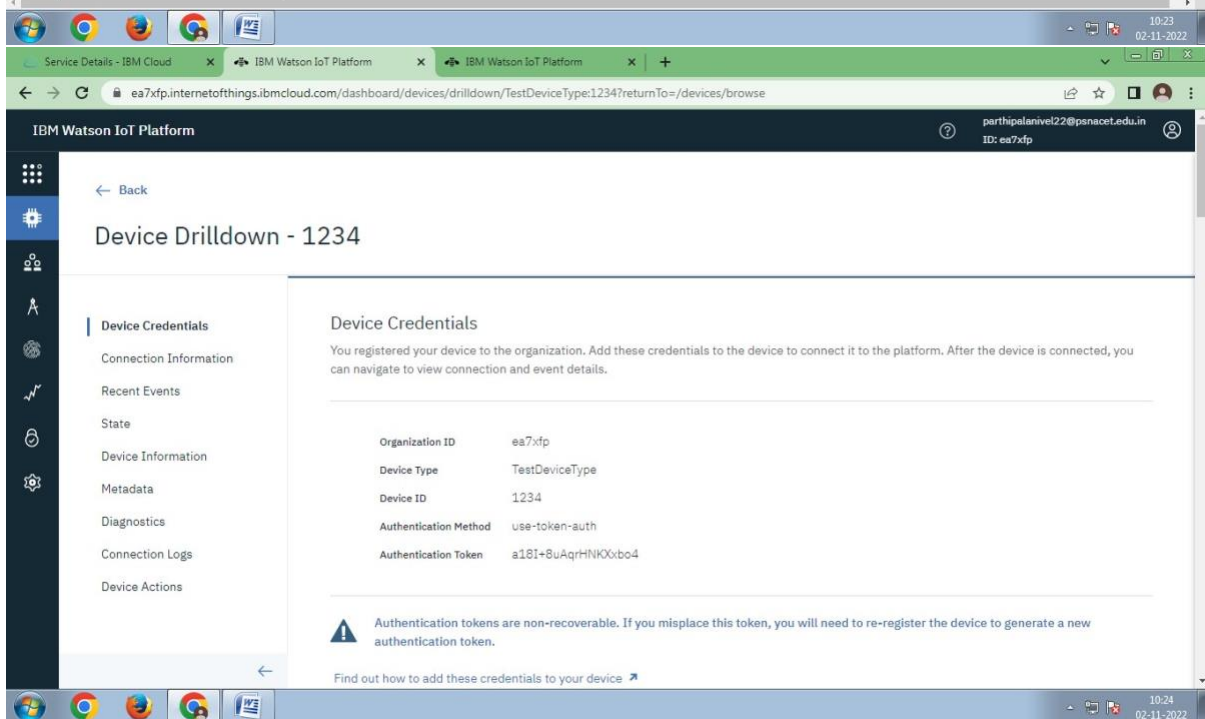
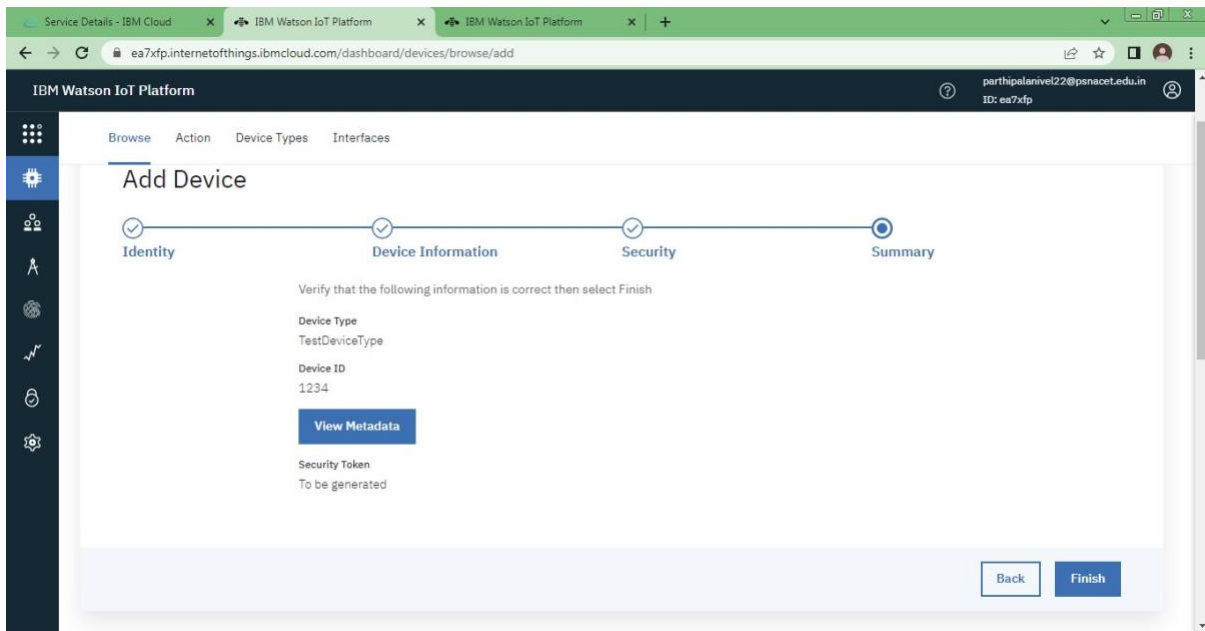
Launch Docs

Ready for the next level?

IBM Watson IoT Platform Journey

- ☒ **Lite**
The Lite service plan provides a lightweight development environment to get you started
- ☐ **Non-Production**
The Non-Production service plan is a full-featured, fully-integrated offering that enables
- ☐ **Production**
The Production service is a fully managed SaaS offering that enables you to manage and analyze





Service Details - IBM Cloud x IBM Watson IoT Platform x IBM Watson IoT Platform x +

ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:1234?returnTo=/devices/browse

IBM Watson IoT Platform

perthipalanivel22@psnacet.edu.in
ID: ea7xfp

← Back

Device Drilldown - 1234

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Device ID: 1234

Device Type: TestDeviceType

Date Added: Nov 2, 2022 10:24 AM

Added By: parthipalanivel22@psnacet.edu.in

Connection Status: Disconnected

Recent Events

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

| Event | Value | Format | Last Received |
|-------|-------|--------|---------------|
|-------|-------|--------|---------------|

Service Details - IBM Cloud x IBM Watson IoT Platform x +

ea7xfp.internetofthings.ibmcloud.com/dashboard/settings

IBM Watson IoT Platform

General Settings

Here you can see and modify global organization information and locally enable experimental W

PLATFORM

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Experimental Features

Last Event Cache

Client Connection State API

DATA AND DEVICES

Custom Device Management Packages

Device Simulator

Client Connection State API

The Client Connection State API provides client conn documentation.

Activate Client Connection State API ☐

Custom Device Management Packages

Device Type: TestDeviceType

Events 1 **New event type +**

Event type name: event_1 **Send** **⌵**

Schedule: 20 Every Minute

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

```
0 {  
1  "temperature": random(0, 100)  
2  "humidity": random(0, 100)  
3 }  
4
```

Upload a CSV file

Cancel **Save**

Service Details - IBM Cloud

IBM Watson IoT Platform

+

ea7xfp.internetofthings.ibmcloud.com/dashboard/settings

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DATA AND DEVICES

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documentation,

Activate Client Connection State API

Custom Device Management Packages

Simulations

Import/Export simulation

1/50 Simulations Running

+ New Simulation

Device Type

TestDeviceType

1 Event

1 Device

1234

1 x

Create Simulated Device

Use Registered Device

Service Details - IBM Cloud

IBM Watson IoT Platform

+

ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

parthipalanivel22@psnacet.edu.in

ID: ea7xfp

Browse

Action

Device Types

Interfaces

Add Device

Delete

1 item selected

Cancel

| Device ID | Status | Device Type | Class ID | Date Added |
|-----------|--------------|----------------|----------|----------------------|
| 1234 | Disconnected | TestDeviceType | Device | Nov 2, 2022 10:24 AM |

Identity

Device Information

Recent Events

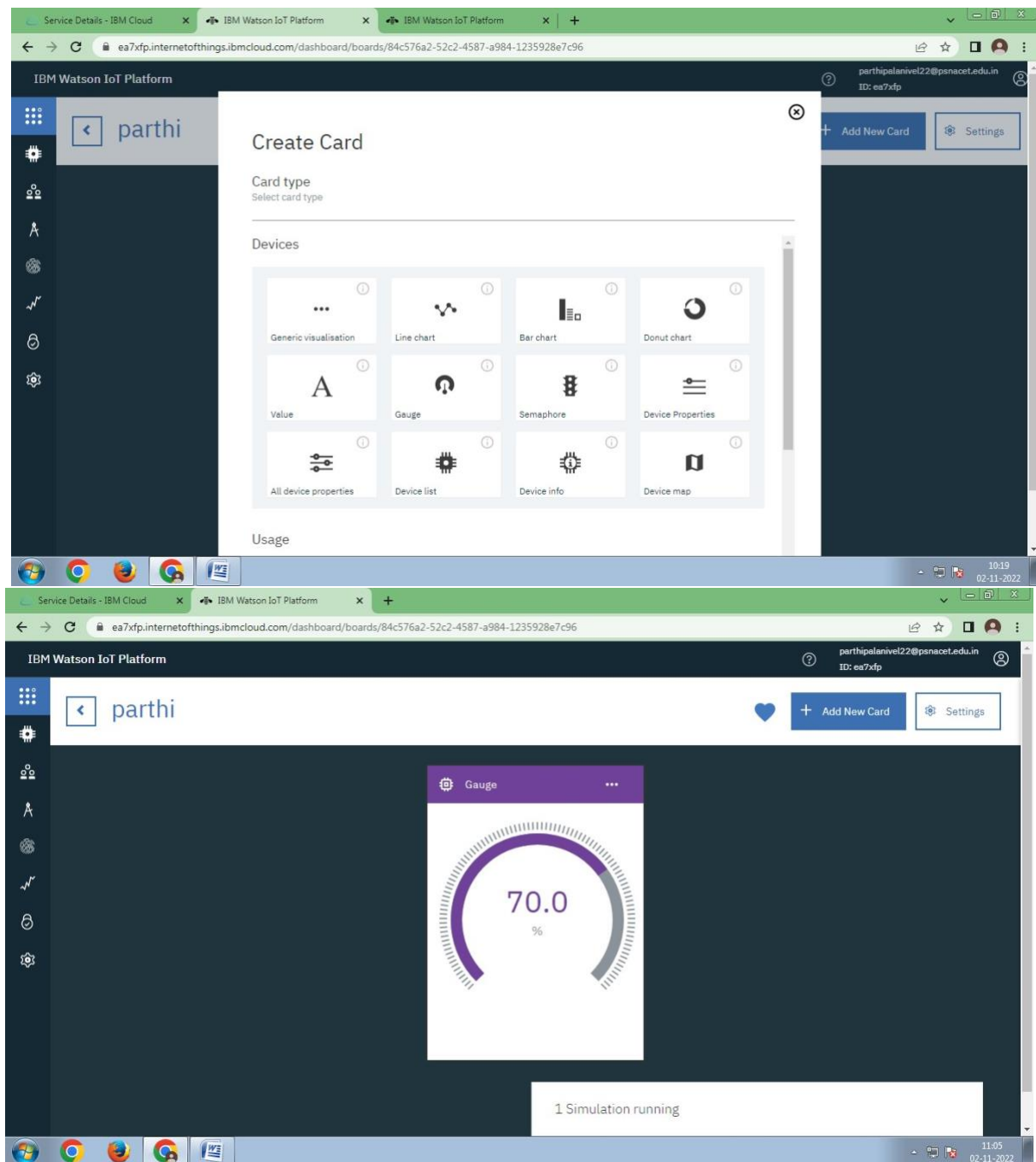
State

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_1 | ["temperature":37,"Humidity":52] | json | a few seconds ago |
| event_1 | ["temperature":65,"Humidity":36] | json | a few seconds ago |
| event_1 | ["temperature":57,"Humidity":8] | json | a few seconds ago |
| event_1 | ["temperature":17,"Humidity":65] | json | a few seconds ago |

1 Simulation running



Result:

An IBM Watson cloud for IoT and a device is created successfully.