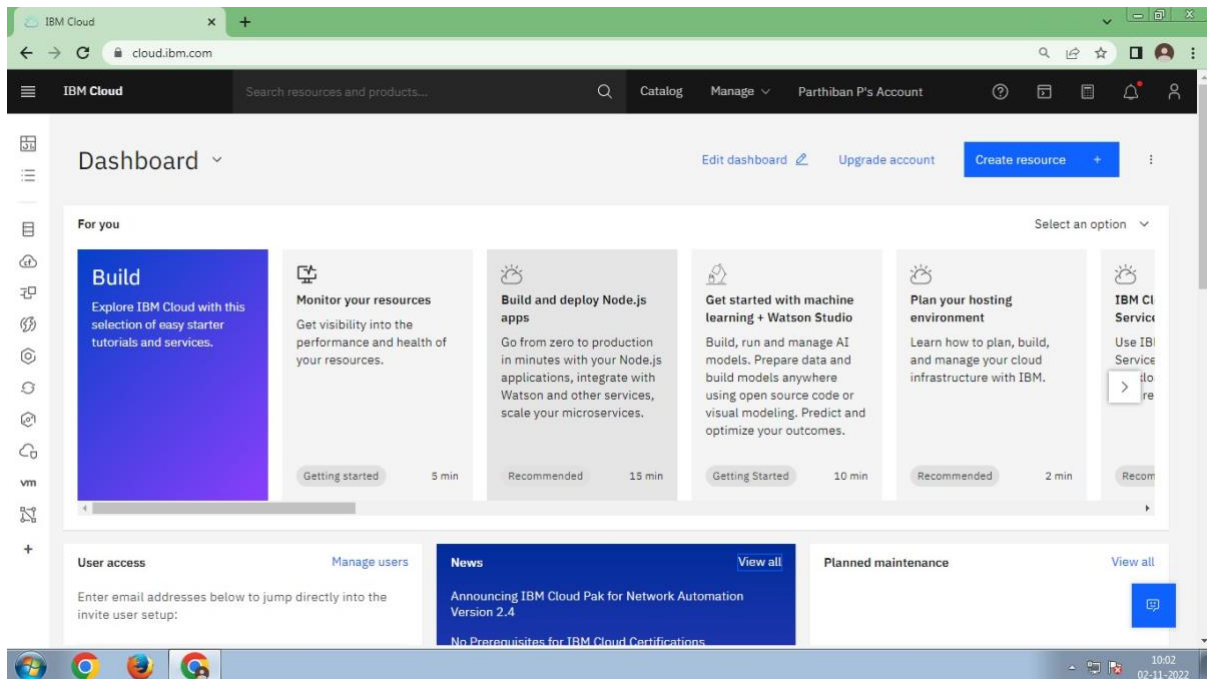
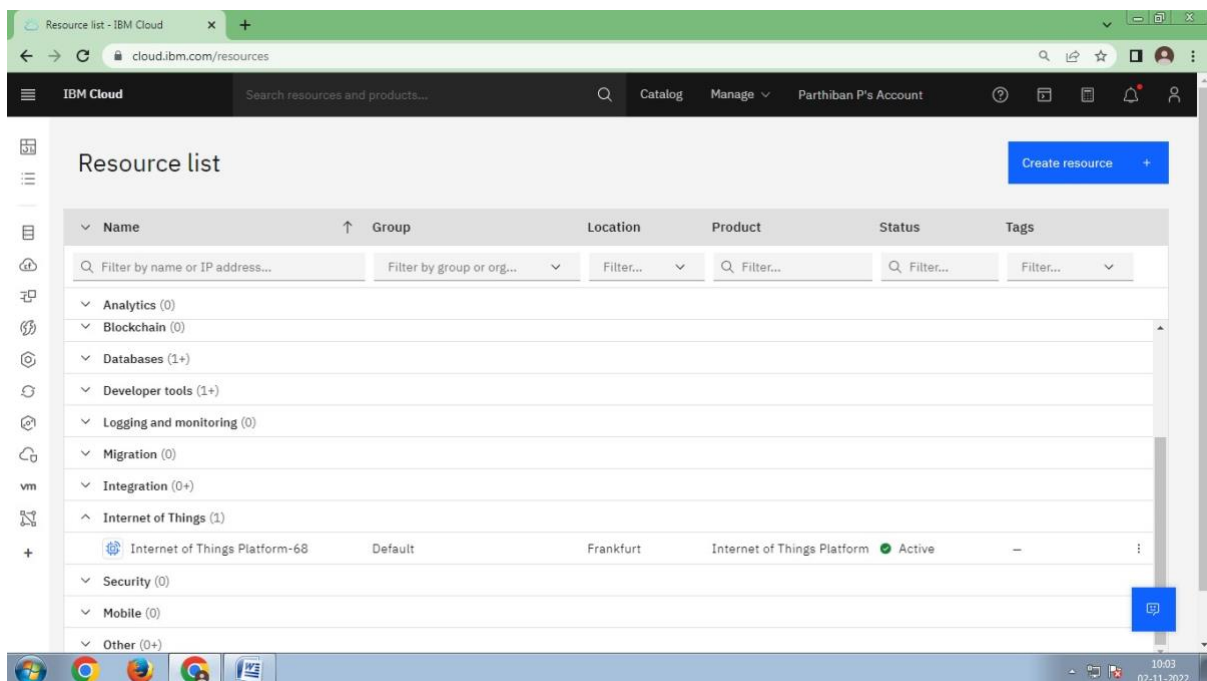


<b>Date:</b>	2 NOVEMBER 2022
<b>Team ID:</b>	PNT2022TMID52160
<b>Project Name:</b>	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM



The screenshot shows the IBM Cloud Dashboard. 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 cards: "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 cards, 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 the same as the dashboard. The main content area is titled "Resource list" and features a "Create resource" button. Below this 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	-

Internet of Things

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

Type

- All
- Services
- Software
- Professional services

Provider

- IBM (1)

Pricing plan

- Lite
- Free

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?

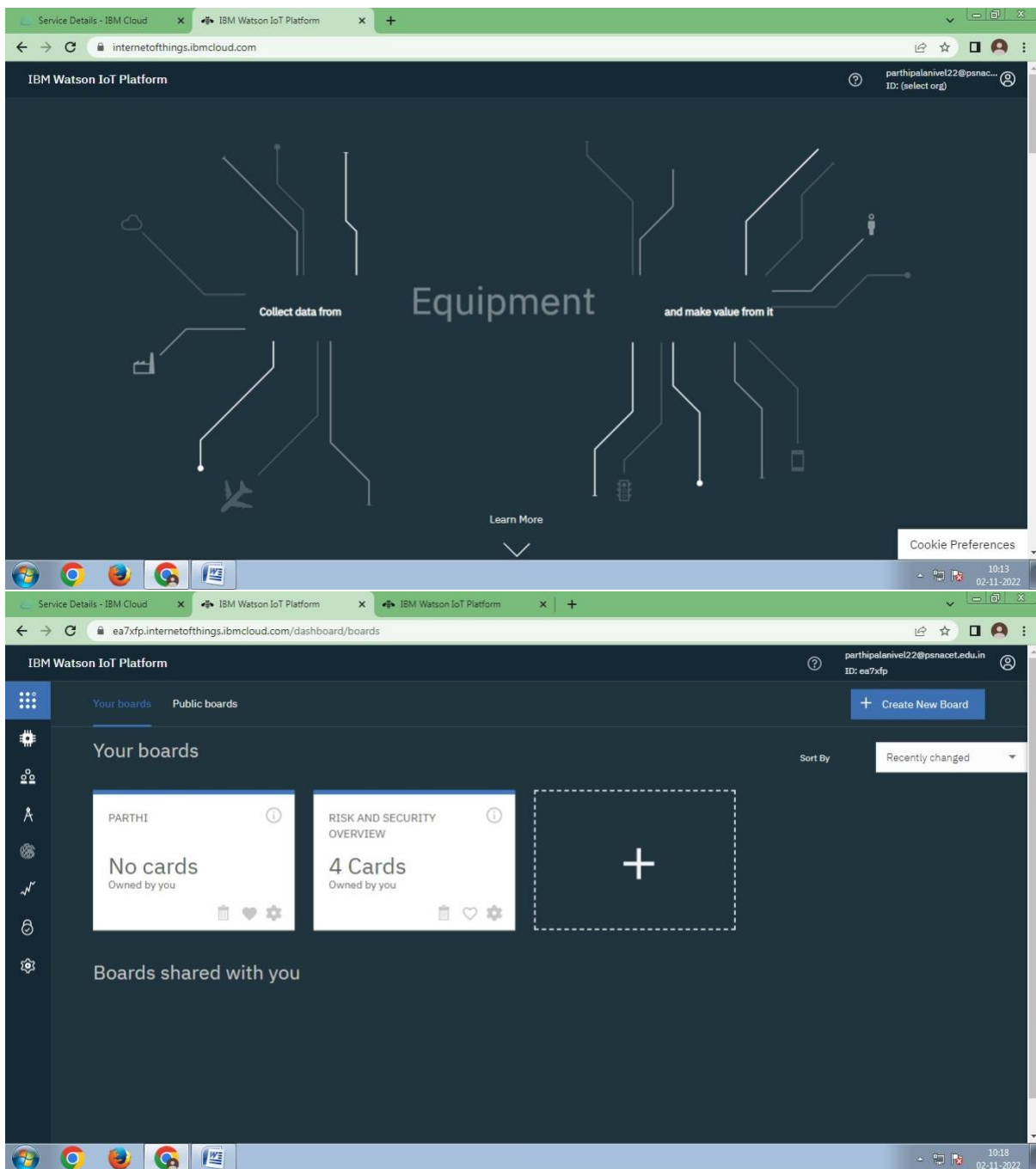
IBM Watson IoT Platform Journey

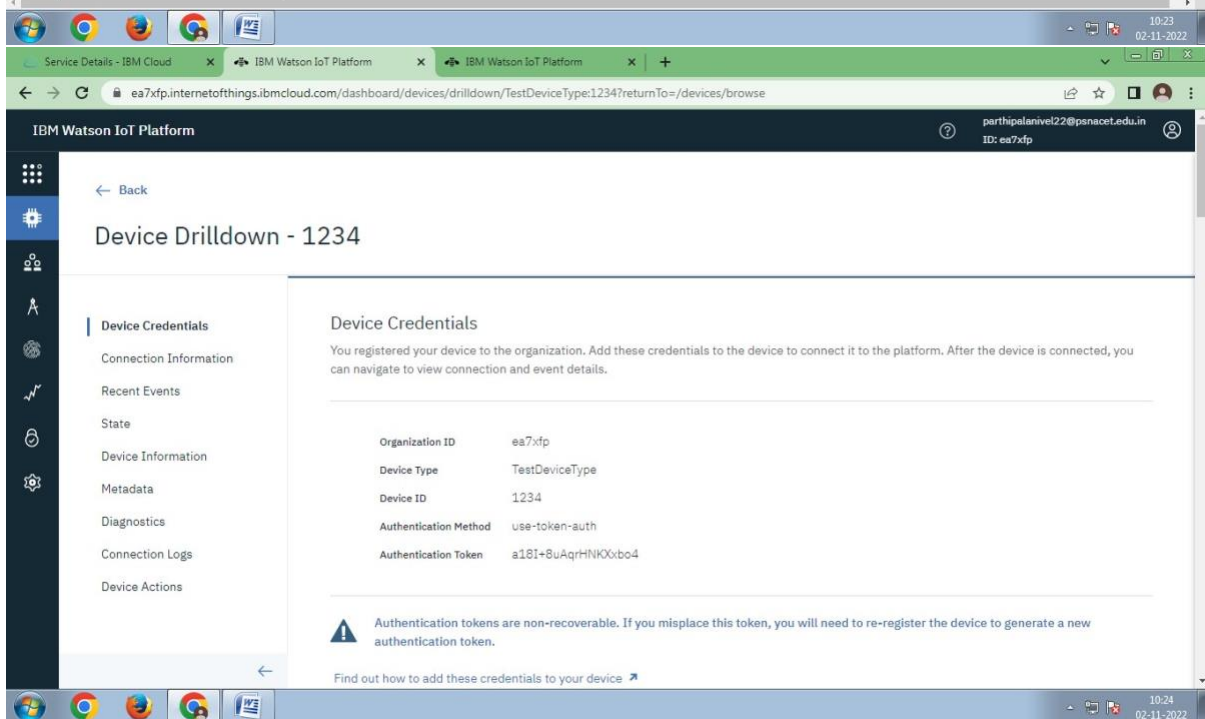
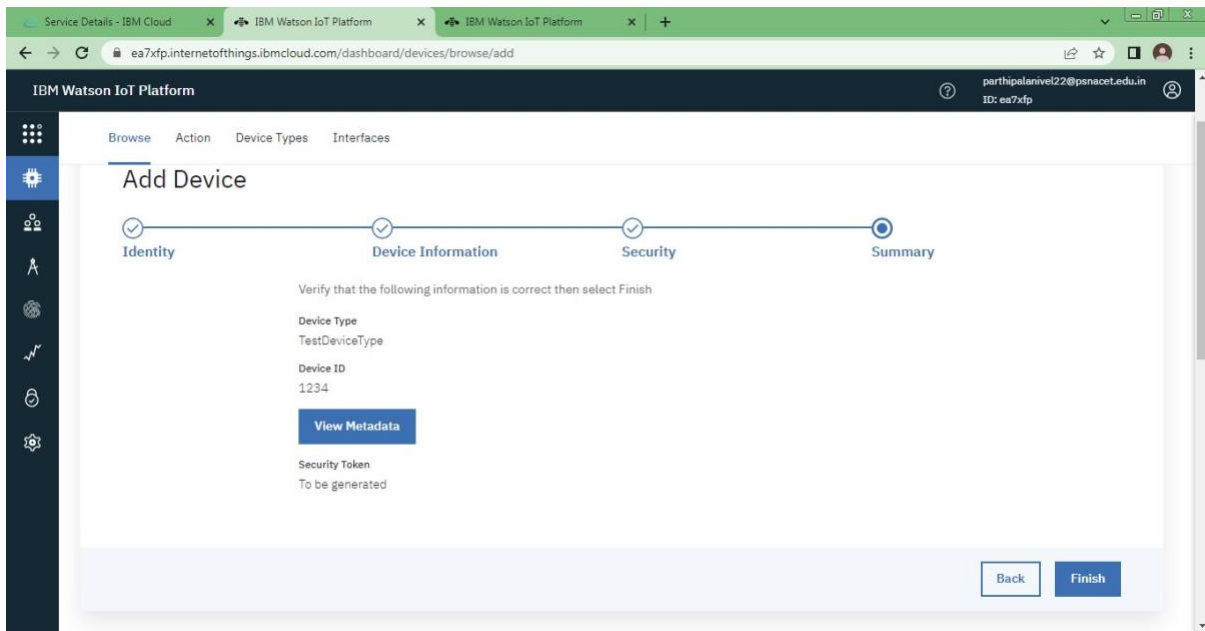
- Lite
- Non-Production
- Production

The Lite service plan provides a lightweight development environment to get you started

The Non-Production service plan is a full-featured, fully-integrated offering that enables

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 connection documentation.

Activate Client Connection State API ☐

### 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

Custom Device Management Packages

Service Details - IBM Cloud

IBM Watson IoT Platform

+

ea7xfp.internetofthings.ibmcloud.com/dashboard/settings

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The Client Connection State API provides client conn

[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

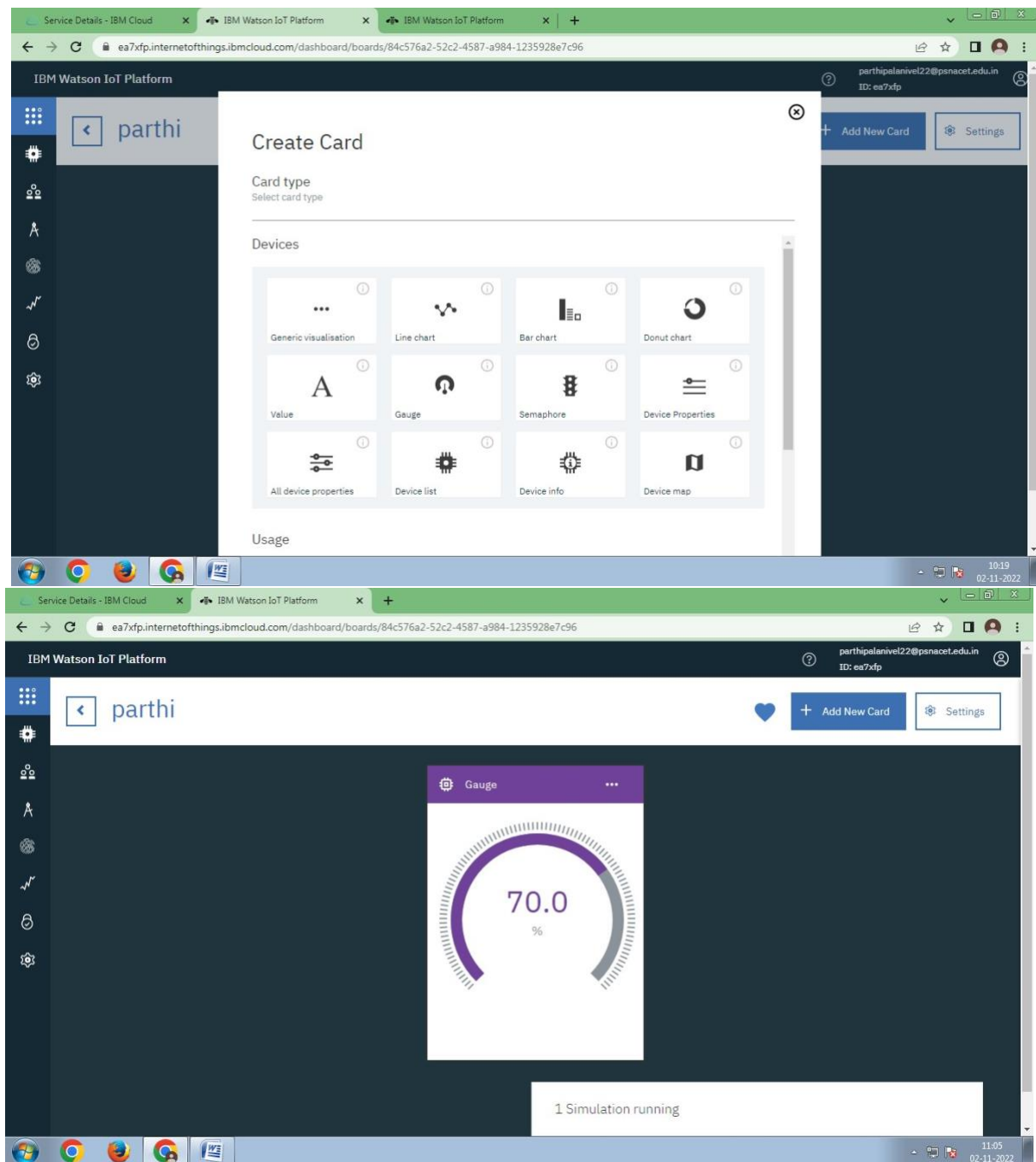
State

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.