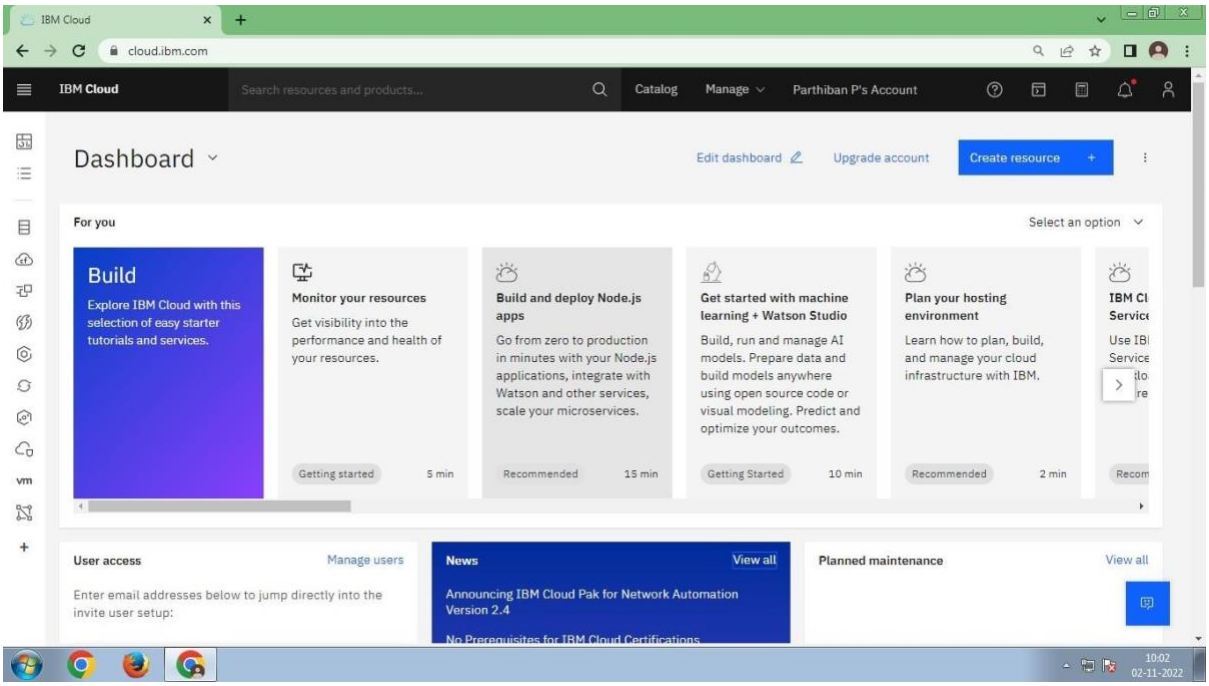
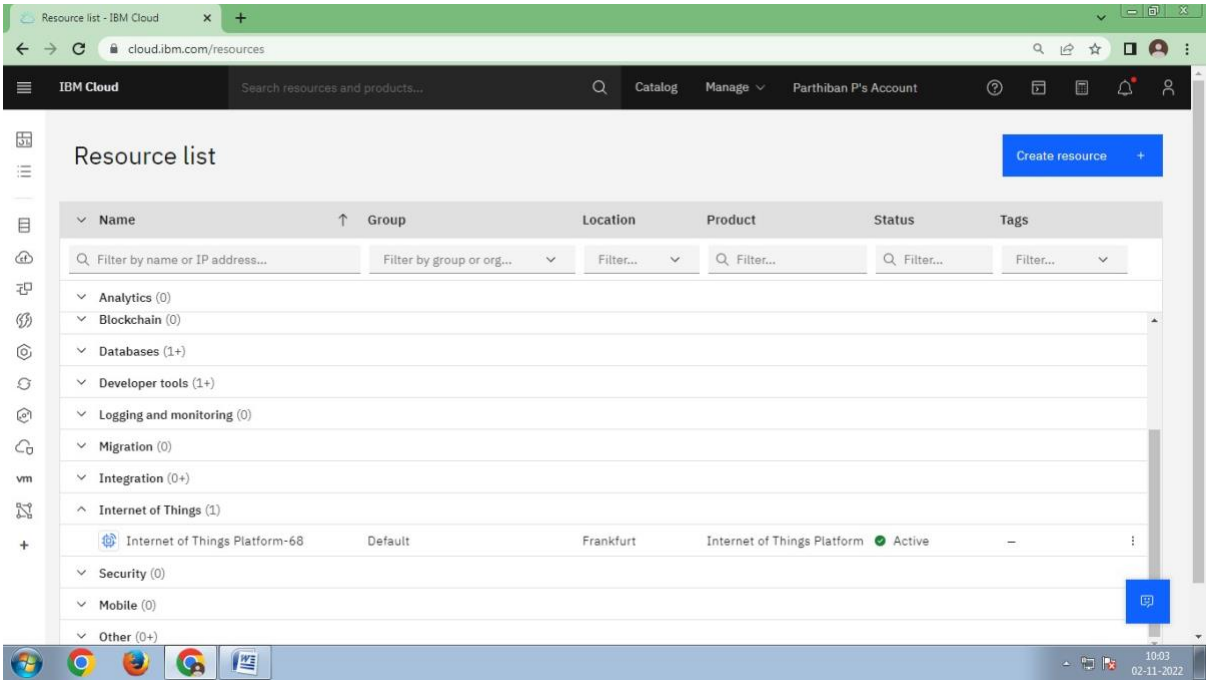
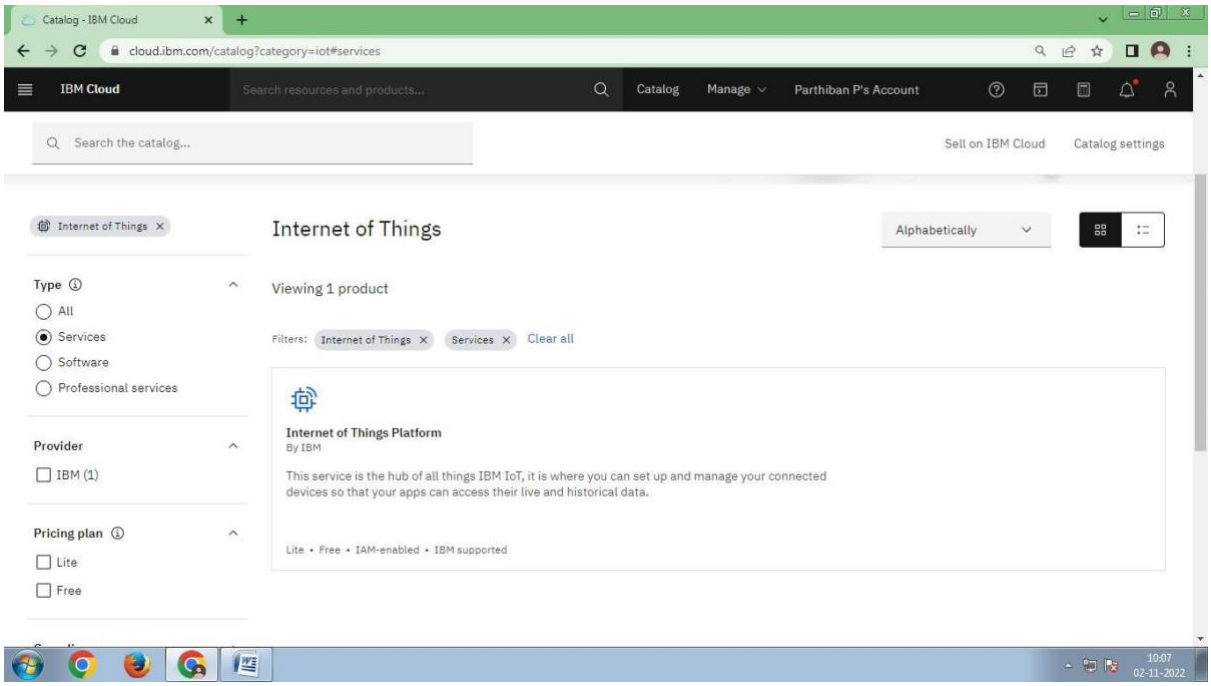
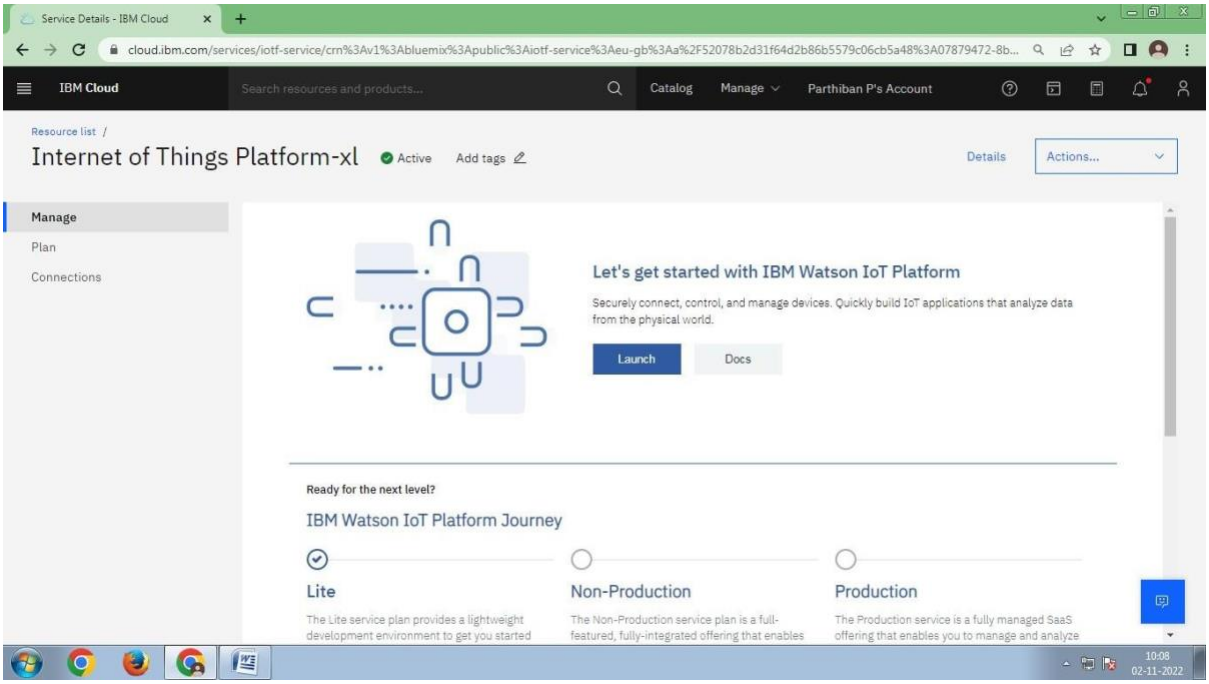
CREATE IBM WATSON IOT PLATFORM AND DEVICE

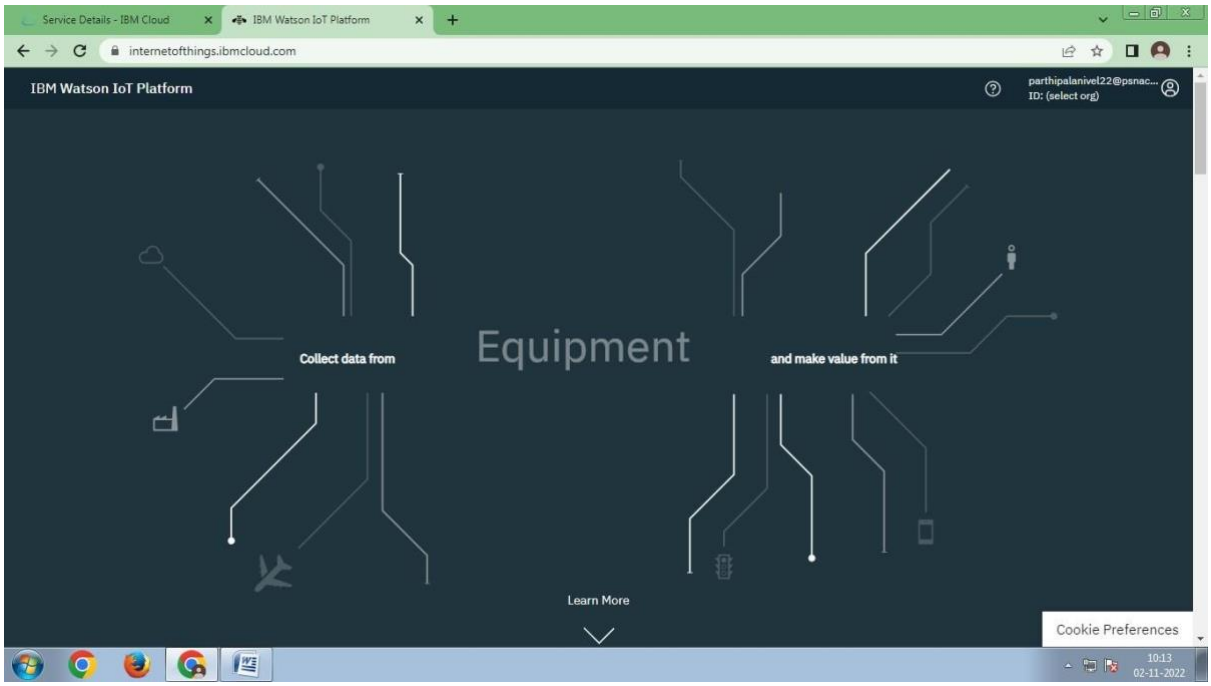
Date:	19 NOVEMBER 2022
Team ID:	PNT2022TMID23542
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

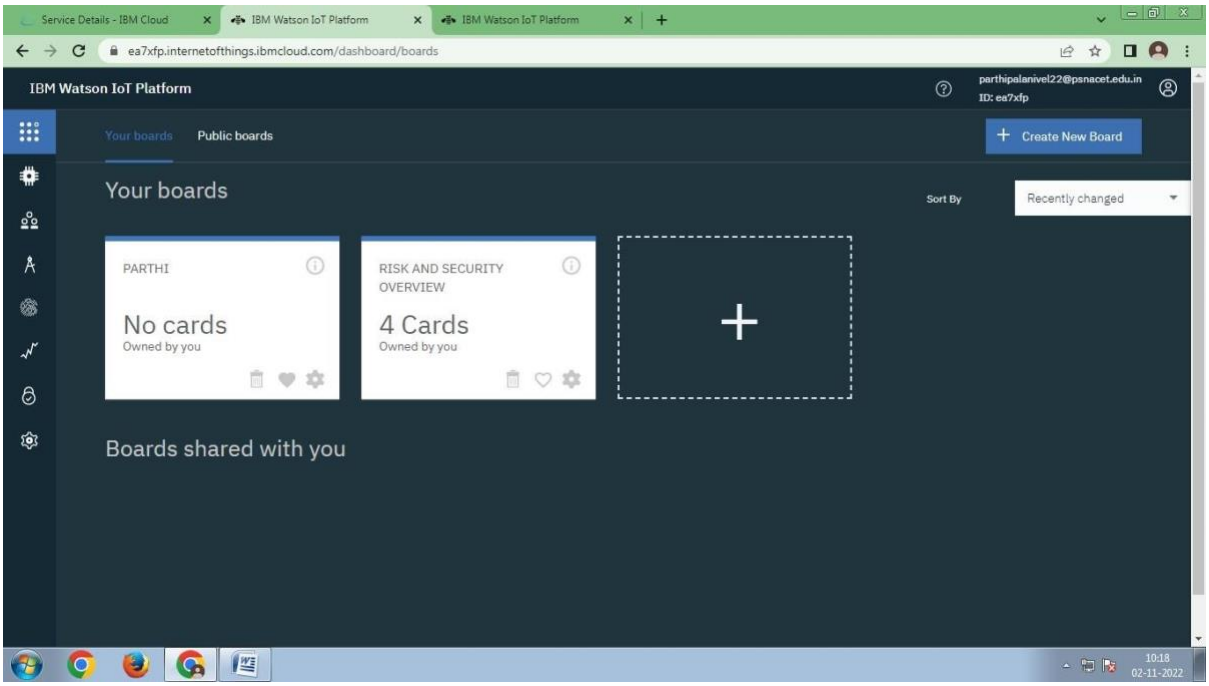


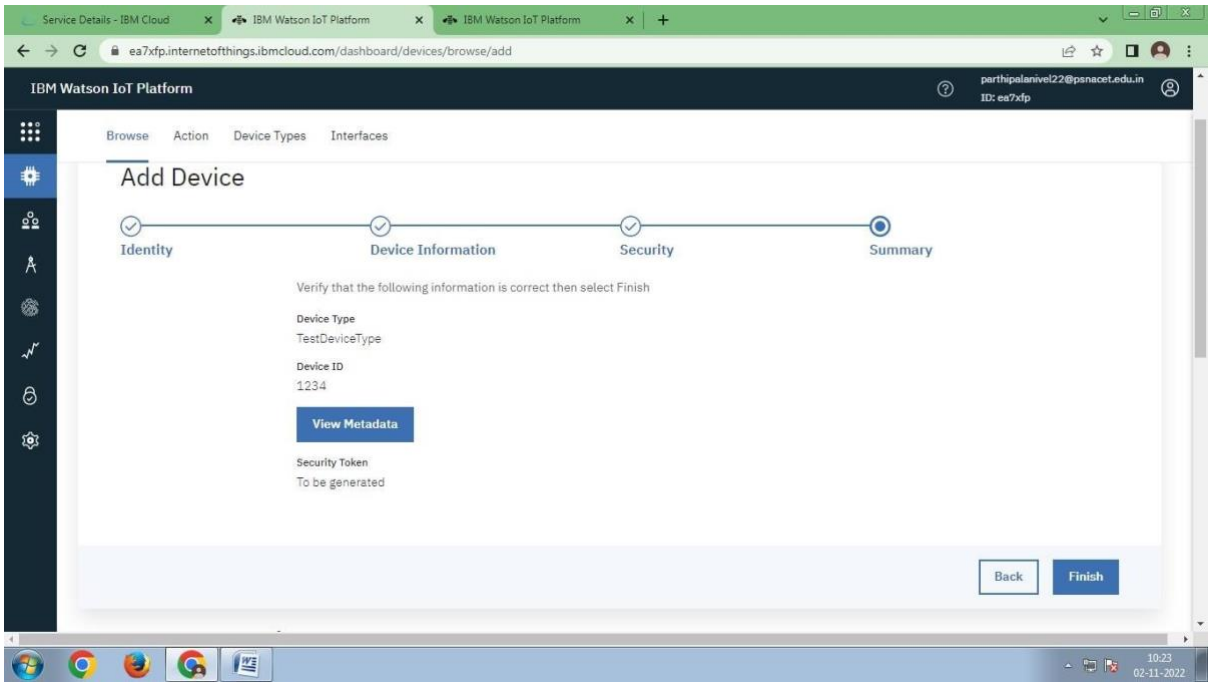


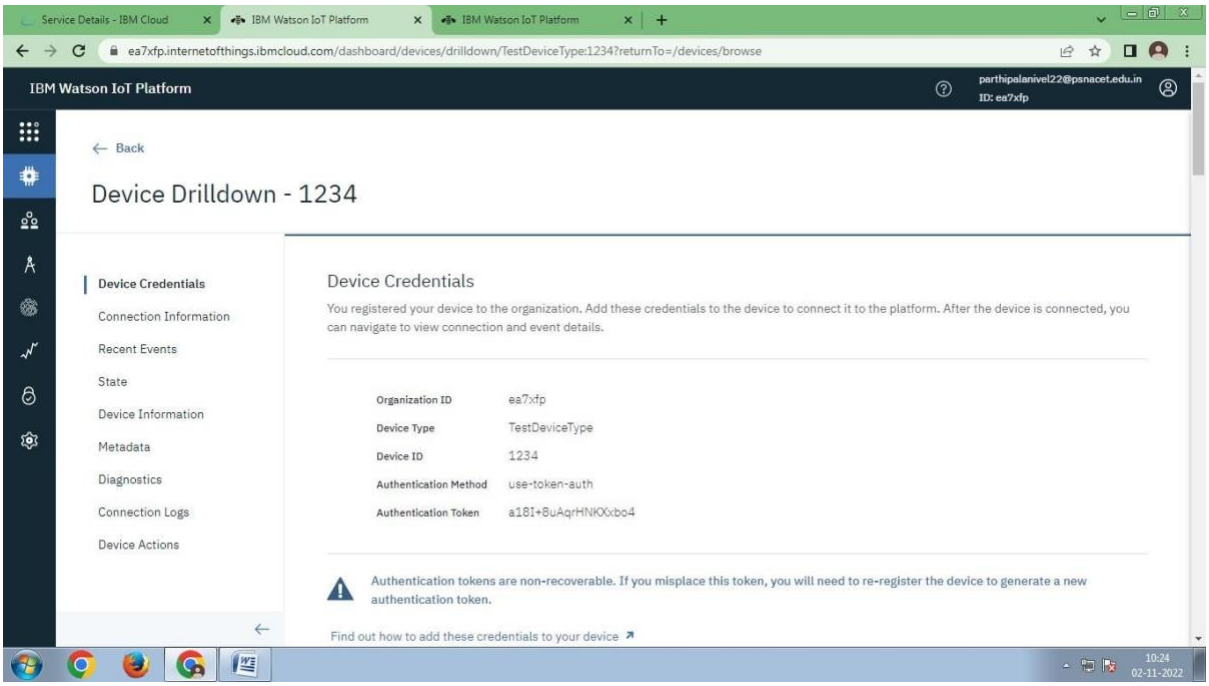

Catalog - IBM Cloud
cloud.ibm.com/catalog?category=iot#services
IBM Cloud
Search resources and products...
Catalog
Manage
Parthiban P's Account
Search the catalog...
Sell on IBM Cloud
Catalog settings
Internet of Things
Internet of Things
Alphabetically
Type
All
Services
Software
Professional services
Viewing 1 product
Filters:
Internet of Things
Services
Clear all
Provider
IBM (1)
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.
Pricing plan
Lite
Free
Lite • Free • IAM-enabled • IBM supported
10:07
02-11-2022

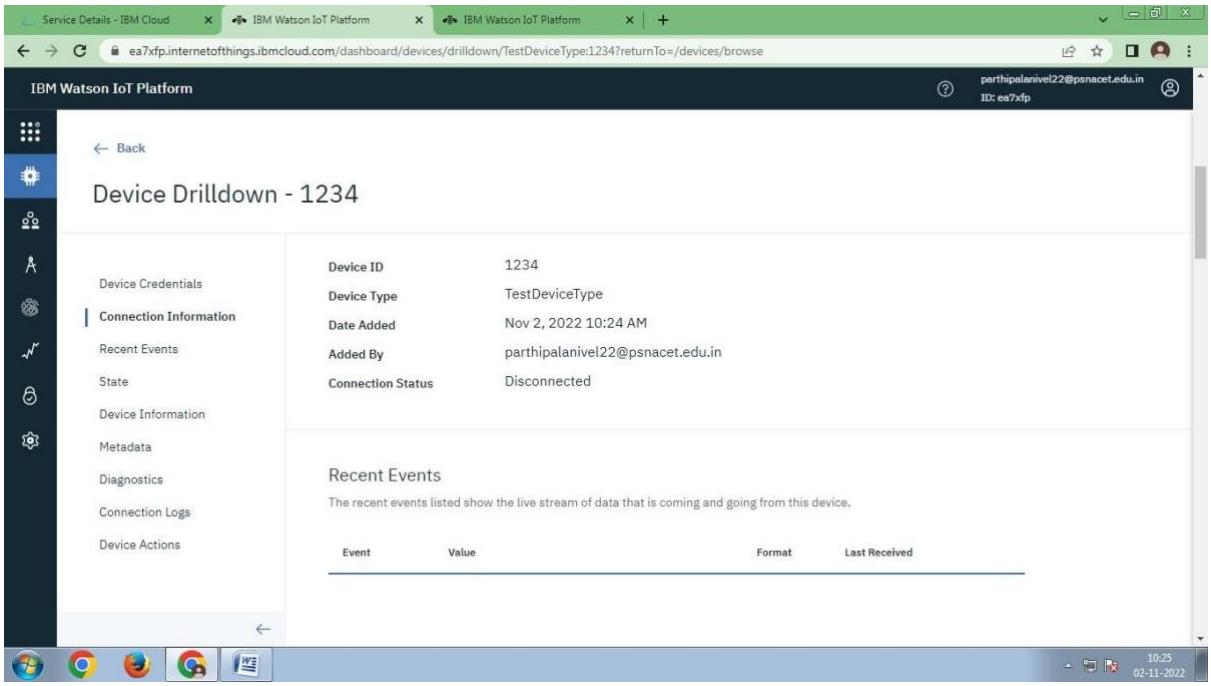

Service Details - IBM Cloud
cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2F52078b2d31f64d2b86b5579c06cb5a48%3A07879472-8b...
IBM Cloud
Search resources and products...
Catalog
Manage
Parthiban P's Account
Resource list /
Internet of Things Platform-xl
Active
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
10:08
02-11-2022

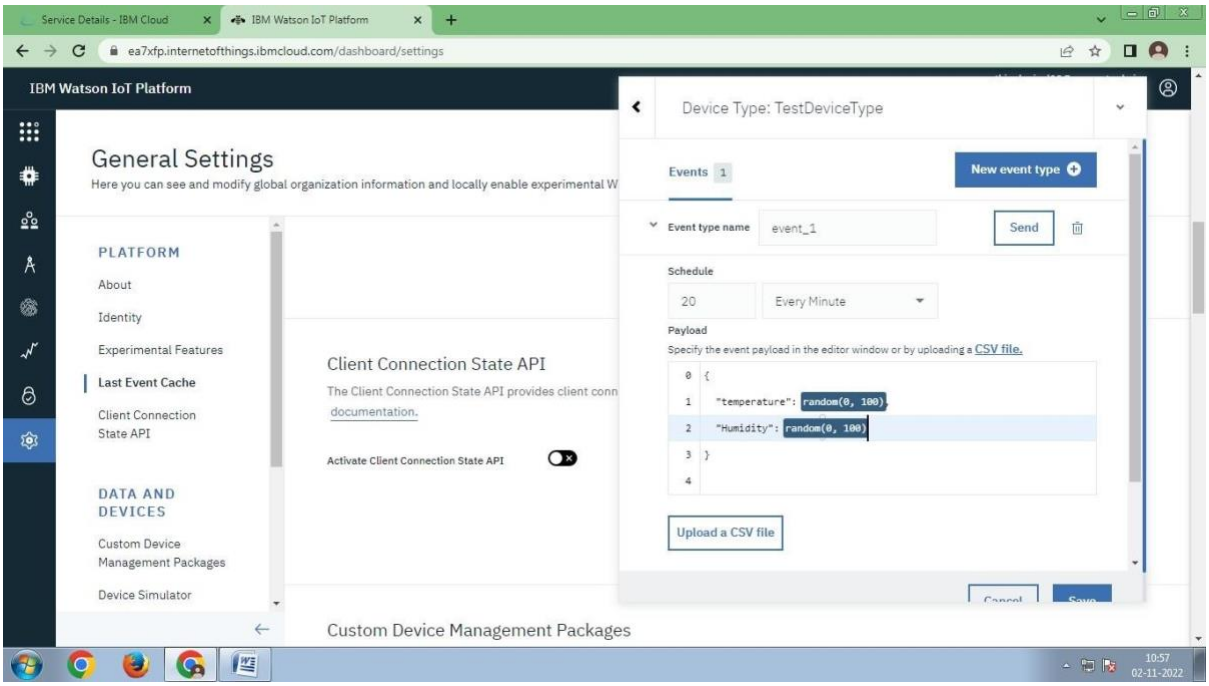

Service Details - IBM Cloud
IBM Watson IoT Platform
internetofthings.ibmcloud.com
IBM Watson IoT Platform
parthipalanivel22@psnac...
ID: (select org)
Collect data from
Equipment
and make value from it
Learn More
Cookie Preferences
10:13
02-11-2022

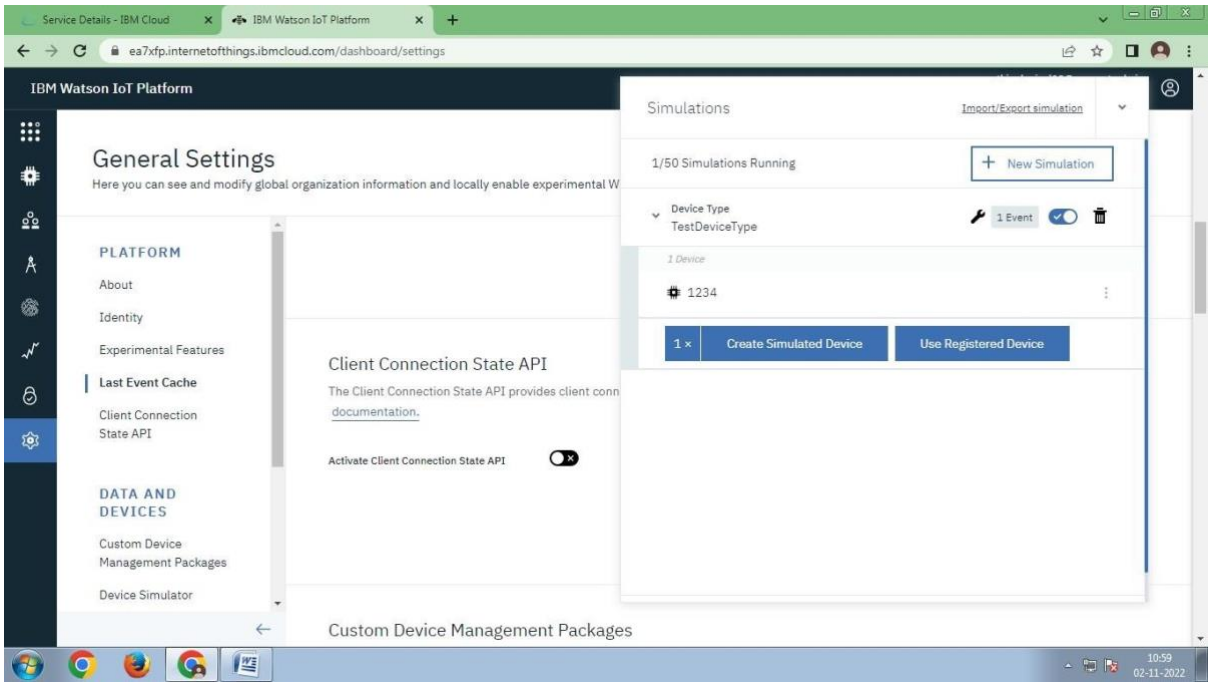

Service Details - IBM Cloud
IBM Watson IoT Platform
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/boards
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
PARTHI
No cards
Owned by you
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
Boards shared with you
10:18
02-11-2022

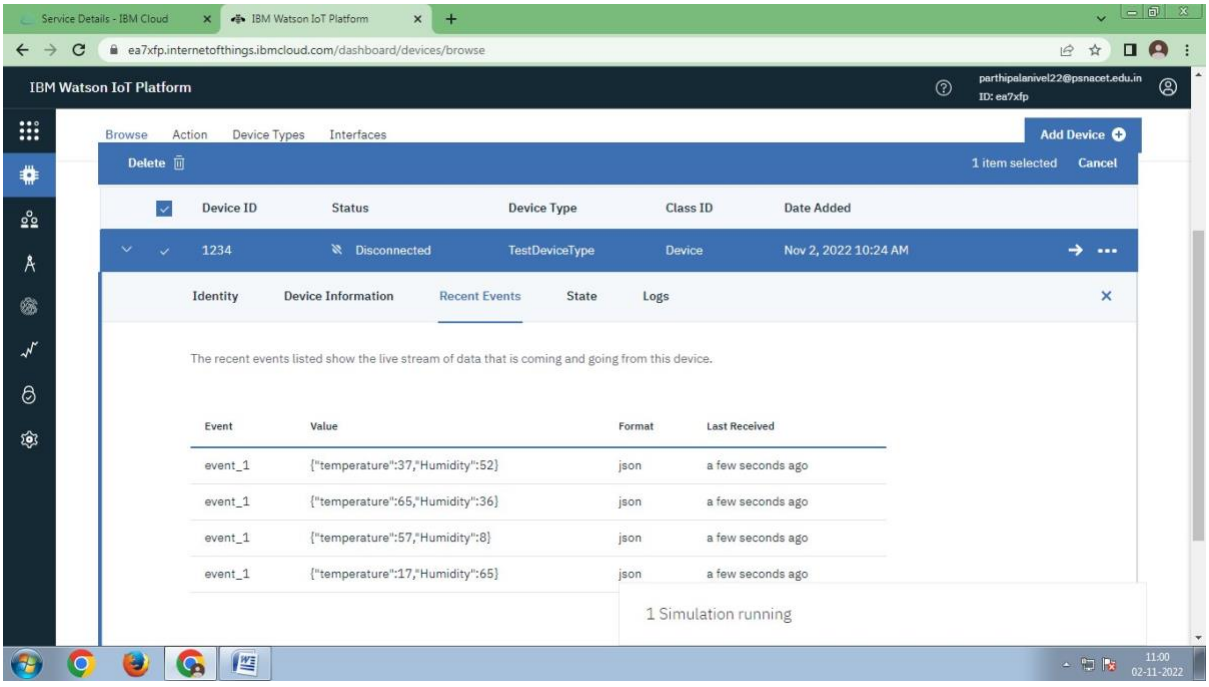

Service Details - IBM Cloud
IBM Watson IoT Platform
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
Verify that the following information is correct then select Finish
Device Type
TestDeviceType
Device ID
1234
View Metadata
Security Token
To be generated
Back
Finish
10:23
02-11-2022

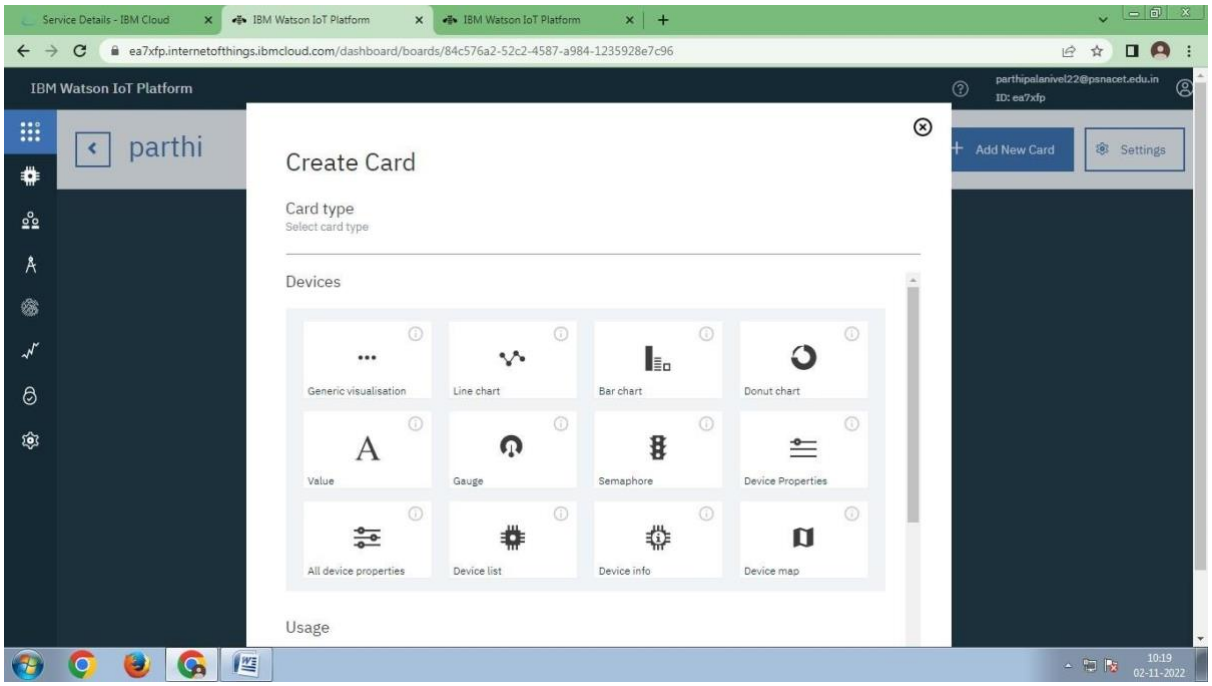

Service Details - IBM Cloud
IBM Watson IoT Platform
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:1234?returnTo=/devices/browse
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
Back
Device Drilldown - 1234
Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection Logs
Device Actions
Device Credentials
You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.
Organization ID
ea7xfp
Device Type
TestDeviceType
Device ID
1234
Authentication Method
use-token-auth
Authentication Token
a18I+8uAqrHNKXxbo4
Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.
Find out how to add these credentials to your device
10:24
02-11-2022

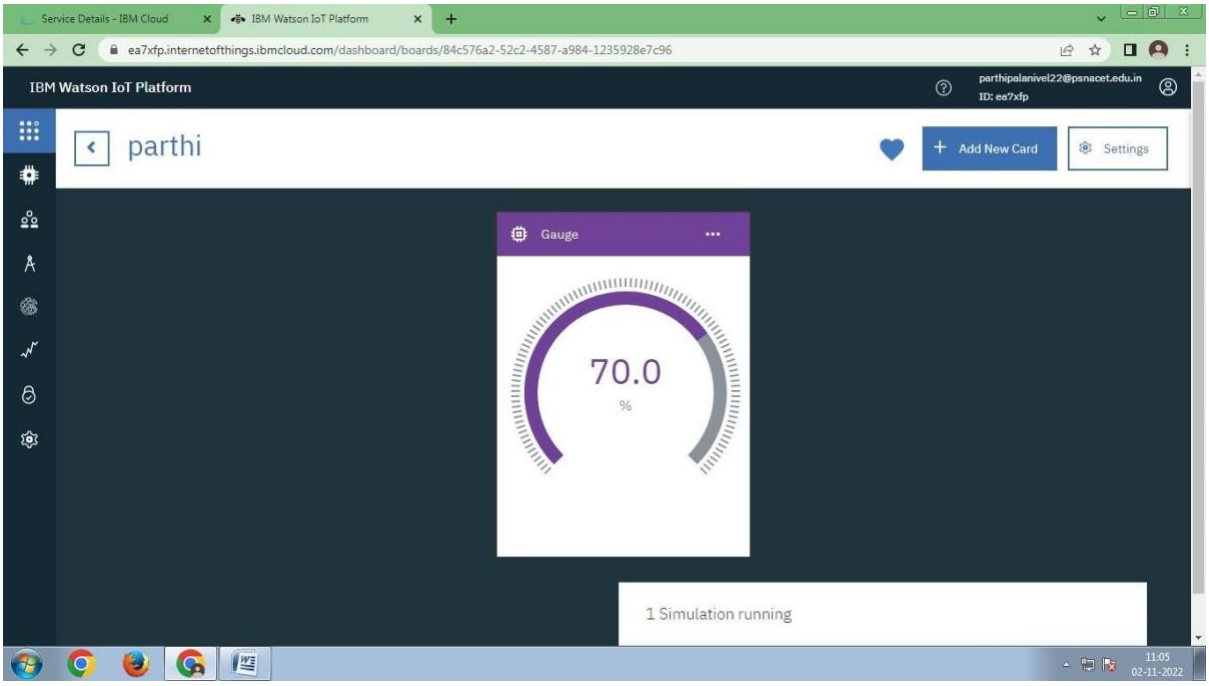

Service Details - IBM Cloud
IBM Watson IoT Platform
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:1234?returnTo=/devices/browse
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
Back
Device Drilldown - 1234
Device Credentials
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
10:25
02-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
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
About
Identity
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.
{
"temperature": random(0, 100),
"Humidity": random(0, 100)
}
Upload a CSV file
Cancel
Save
10:57
02-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
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
About
Identity
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
Simulations
Import/Export simulation
1/50 Simulations Running
New Simulation
Device Type
TestDeviceType
1 Event
1 Device
1234
1 ×
Create Simulated Device
Use Registered Device
Custom Device Management Packages
10:59
02-11-2022


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
11:00
02-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/boards/84c576a2-52c2-4587-a984-1235928e7c96
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
parthi
Add New Card
Settings
Create Card
Card type
Select card type
Devices
Generic visualisation
Line chart
Bar chart
Donut chart
Value
Gauge
Semaphore
Device Properties
All device properties
Device list
Device info
Device map
Usage
10:19
02-11-2022


Service Details - IBM Cloud
IBM Watson IoT Platform
ea7xfp.internetofthings.ibmcloud.com/dashboard/boards/84c576a2-52c2-4587-a984-1235928e7c96
IBM Watson IoT Platform
parthipalanivel22@psnacet.edu.in
ID: ea7xfp
parthi
Add New Card
Settings
Gauge
70.0
%
1 Simulation running
11:05
02-11-2022

Result:

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