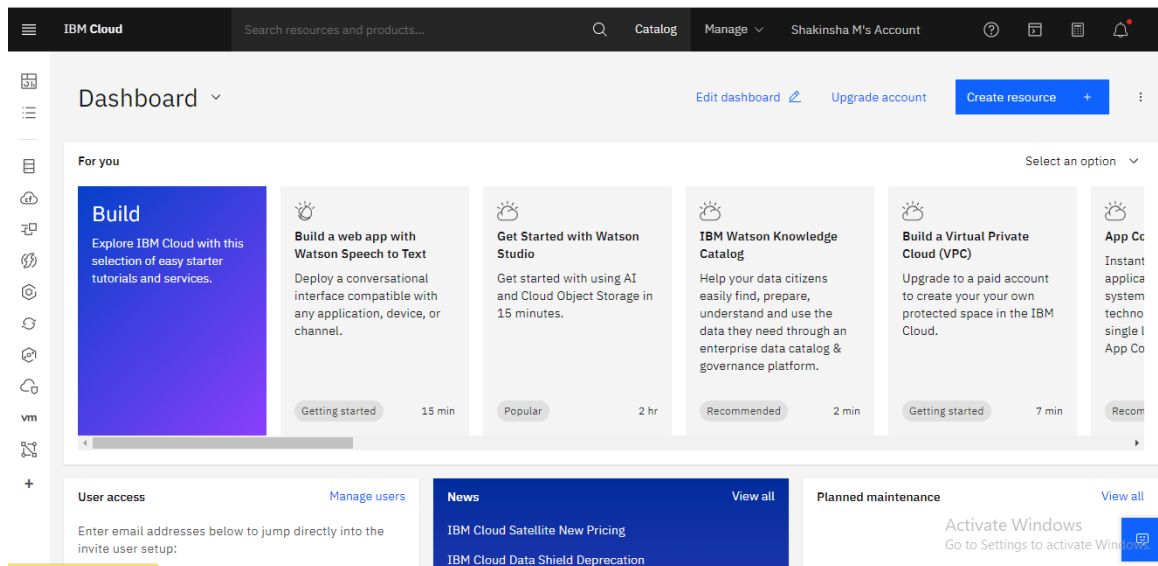


## CREATE AND CONFIGURE IBM CLOUD SERVICES

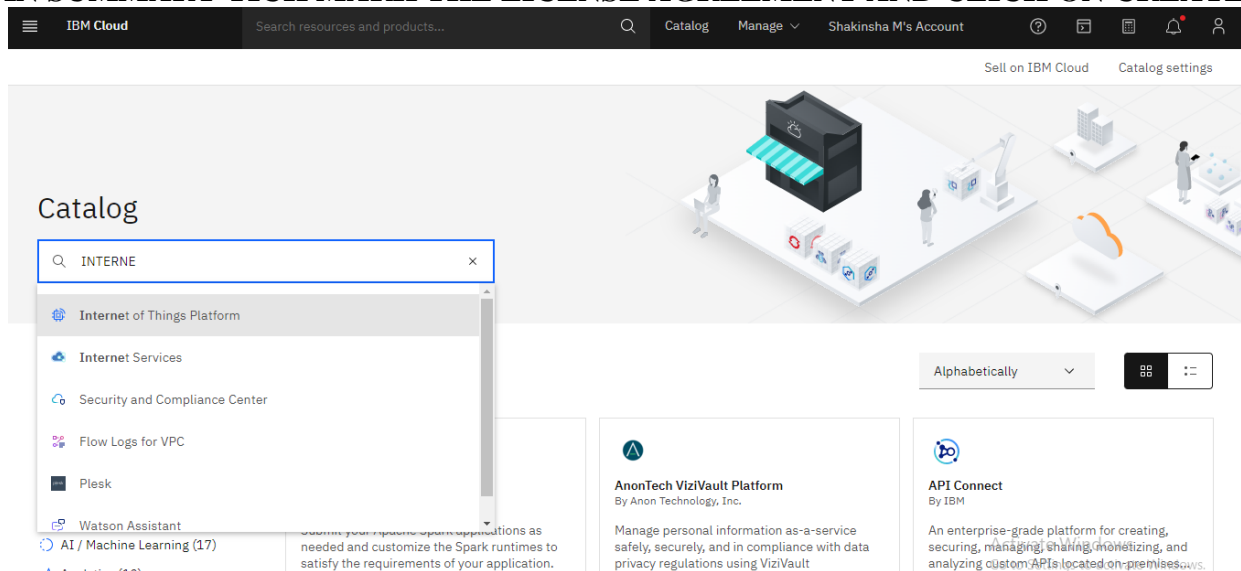
Date	01 November 2022
Team ID	PNT2022TMID21418
Project Name	Signs with smart connectivity for better road safety.
Team members	Shakinsha M, Thillai Nivetha A, Dhanushya J, Priyadharshini R

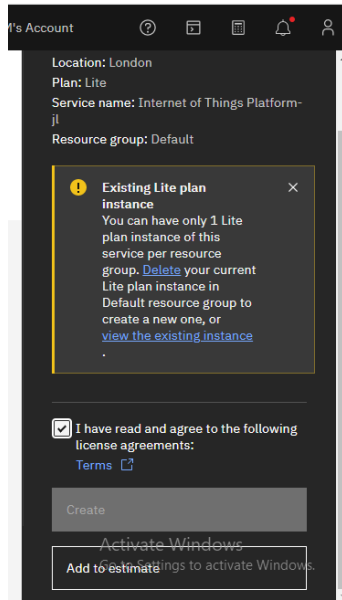
## CREATE IBM WATSON IOT PLATFORM AND DEVICE

### STEP 1: GO TO IBM CLOUD AND GO TO CATALOG

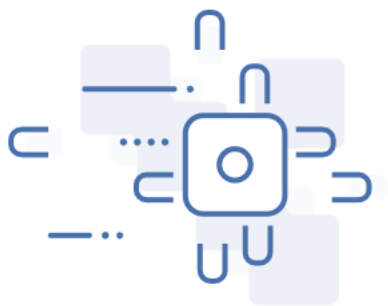


### STEP 2: TYPE INTERNET OF THINGS PLATFORM IN SUMMARY TICK MARK THE LICENSE AGREEMENT AND CLICK ON CREATE





### STEP 3: CLICK ON LAUNCH



#### Let's get started with IBM Watson IoT Platform

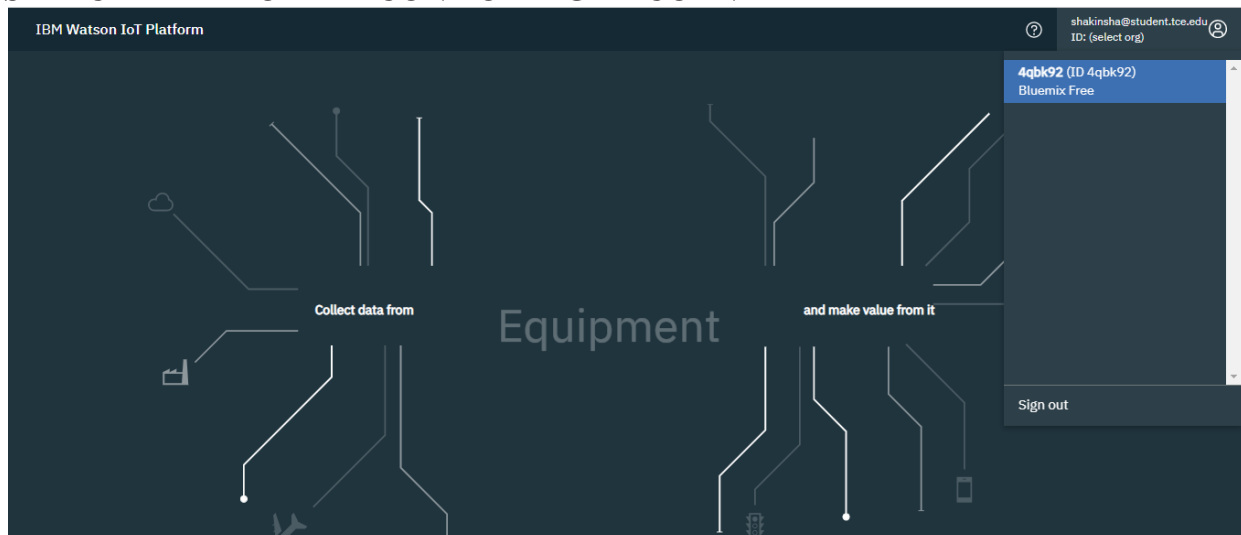
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch

Docs

### SIGN IN TOP RIGTH CORNER

### SELECT THE PROFILE ICON TOP RIGHT CORNER



## STEP 4: SELECT ORGANISATION CLICK ON ADD DEVICE

IBM Watson IoT Platform

shakinsha@student.tce.edu  
ID: 4qbk92

Browse Action Device Types Interfaces

Add Device +

### Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒ IDI

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	12345	Disconnected	rasperry	Device	Oct 21, 2022 10:13 PM

## STEP 5: PUT DEVICE TYPE AND DEVICE ID AND CLICK NEXT

### Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type rasperry

Device ID 89078

Cancel Next

## STEP 6: DONT CHANGE ANYTHING ON DEVICE INFORMATION JUST CLICK NEXT

Identity Device Information Security Summary

You can modify the default device information and enter more information about the device for identification purposes.

Serial Number Enter Serial Number

Model Enter Model

Description Enter Description

Hardware Version Enter Hardware Version

Manufacturer Enter Manufacturer

Device Class Enter Device Class

Firmware Version Enter Firmware Version

Descriptive Location Enter Descriptive Location

Add Metadata +

Back Next

## GIVE TOKEN AND CLICK NEXT AND CLICK FINISH

of the device registration process.

representing a sequence of events that can be triggered by predefined sequences.

---

Authentication Token  ⓘ

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.

Back Next

## STEP 7: CLICK ON THE DEVICE AND RECENT EVENTS

732459

Disconnected

rasperrypi

Device

Nov 17, 2022 10:42 PM

...

Identity

Device Information

Recent Events

State

Logs

X

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

Event

Value

Format

Last Received

## STEP 8: CLICK ON 0 SIMULATIONS RUNNING AND CREATE SIMULATION

Simulations

Import/Export simulation

0/50 Simulations Running

+ New Simulation

Device Type

rasperrypi

Configure Event

☒

🗑️

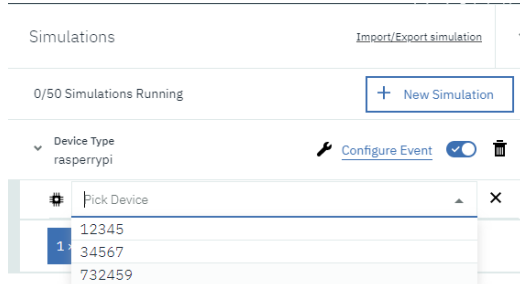
No simulations are currently created for the device type.

1 x

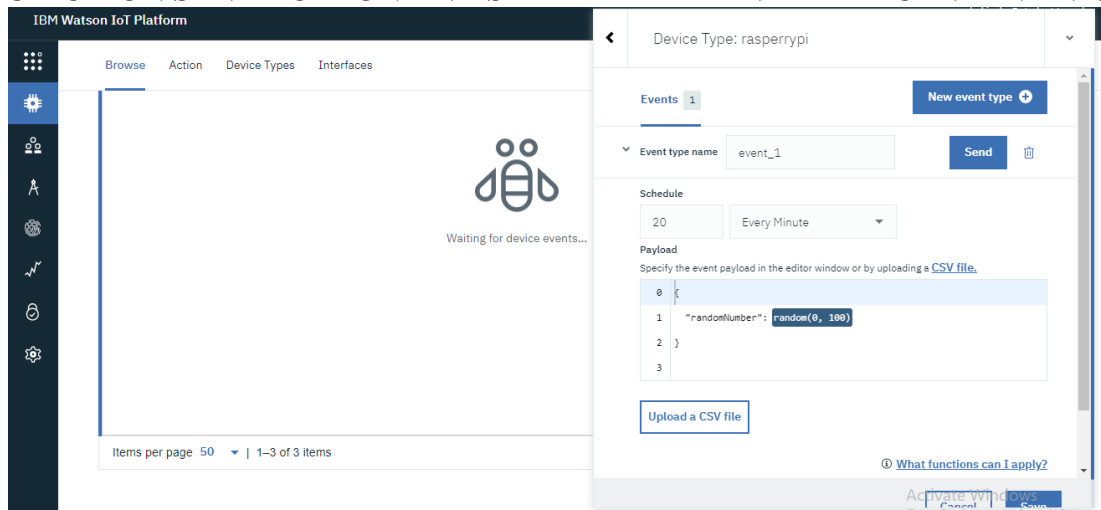
Create Simulated Device

Use Registered Device

## STEP 9: ENABLE THE BUTTON OF DEVICE TYPE BESIDE CONFIGURE EVENT CLICK ON THE SIDE ARROW->SELECT USE REGISTERED DEVICES FROM DROPDOWN PICK THE DEVICE YOU CREATED



## STEP 10: OPEN CONFIGURE EVENTS CLICK ON SEND BUTTON AND SEE THE DATA IN THE RECENT EVENTS



## STEP 11: THE DATA IS RECEIVED IN THE RECENT EVENTS

Identity	Device Information	Recent Events	State	Logs
732459	Disconnected	rasperry	Device	Nov 17, 2022 10:42 PM
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	{"randomNumber":67}	json	a few seconds ago	