## **Create IBM WATSON platform and device**

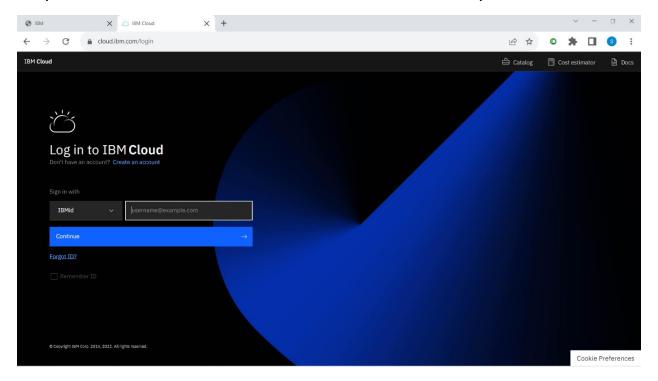
Team ID	PNT2022TMID05191
Project name	Smart waste management for metropolitan cities (IoT)

### Aim:

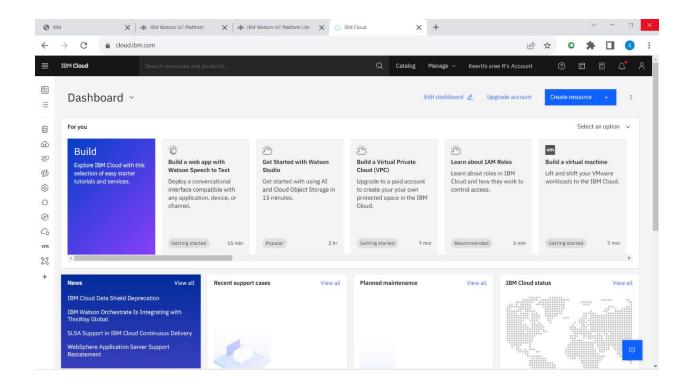
To create the IBM Watson IoT platform and device.

### <u>Procedure</u>:

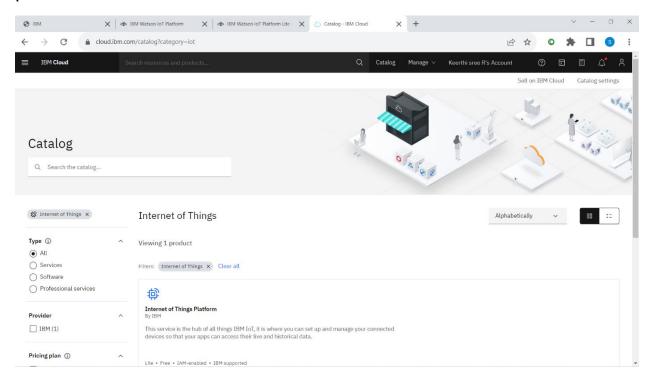
Step 1: Create an IBM cloud account with IBM id and password.



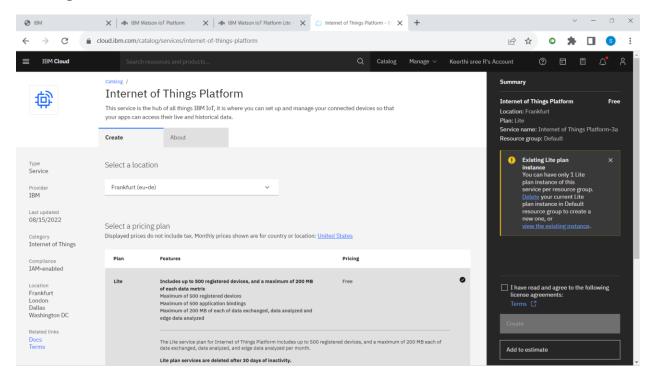
Step 2: Home page of IBM cloud



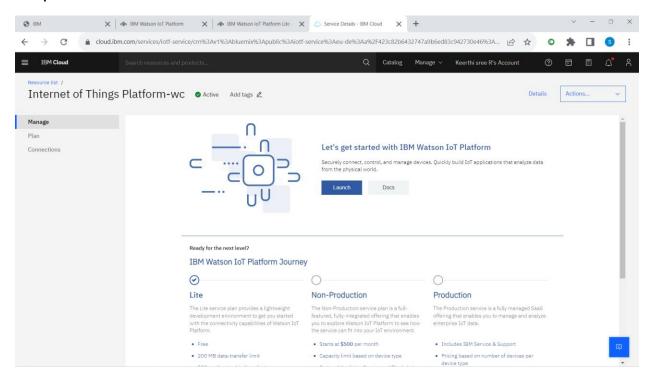
# Step 3: Click on catalog and then IoT in it. Click on internet of things platform.



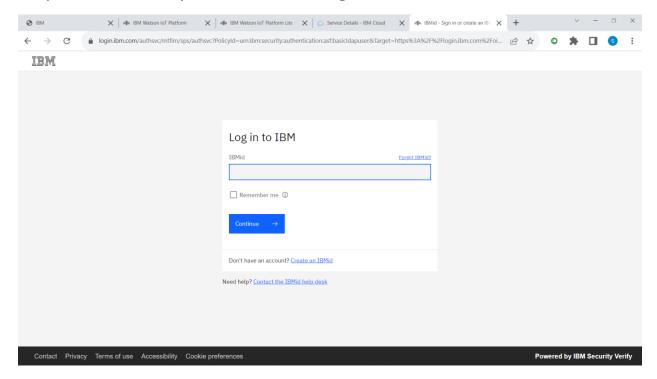
# Step 4: If already a lite is present delete it else you can't create another. Tick agreement and click on create.



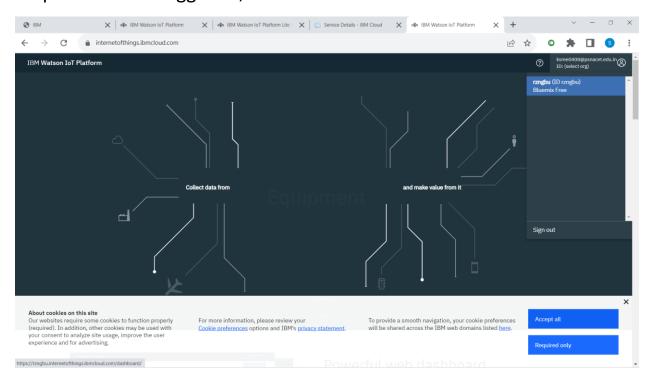
#### Step 5: Click on launch button.



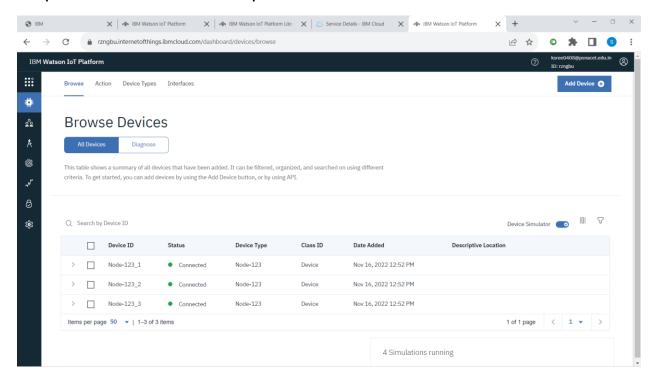
#### Step 6: A tab will open and click on sign in and fill it.



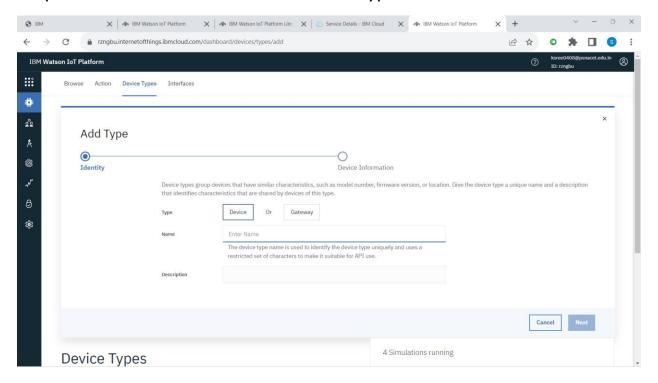
#### Step 7: Once it's logged in, click on name and then Bluemix free.



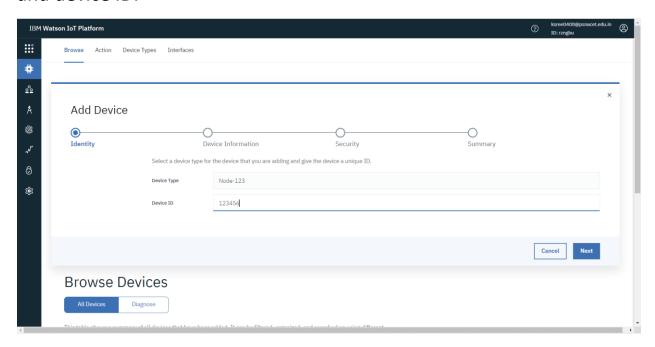
#### Step 8: This is IBM Watson platform



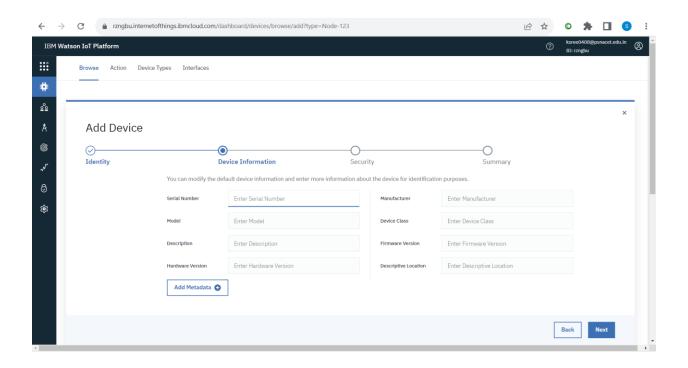
#### Step 9: Click on Add device then device type and fill details.

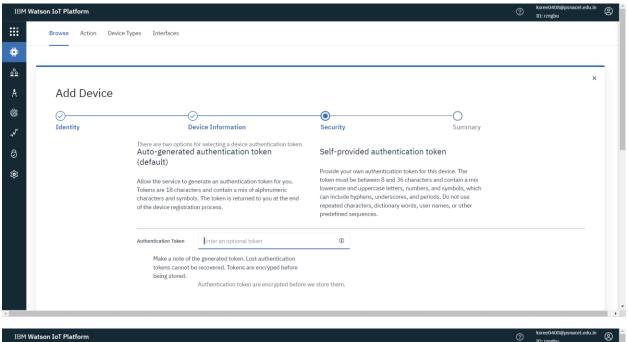


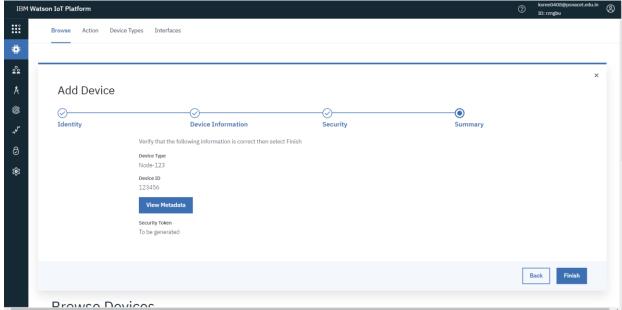
# Step 10: Click on finish and then registered device. Give device name and device ID.



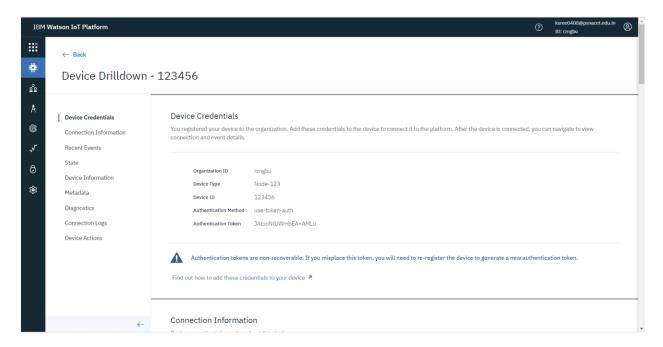
Step 11: Complete all the process.



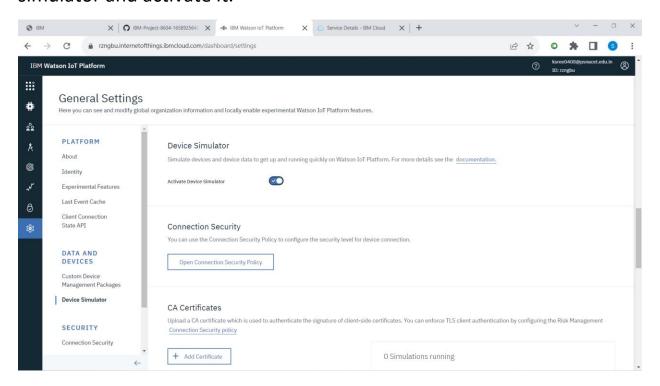




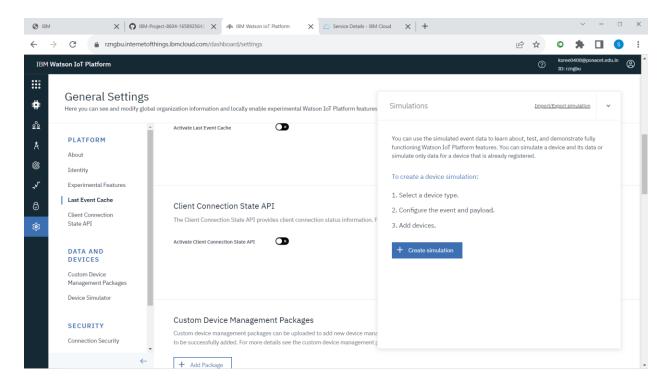
Step 12: Copy the device credentials.



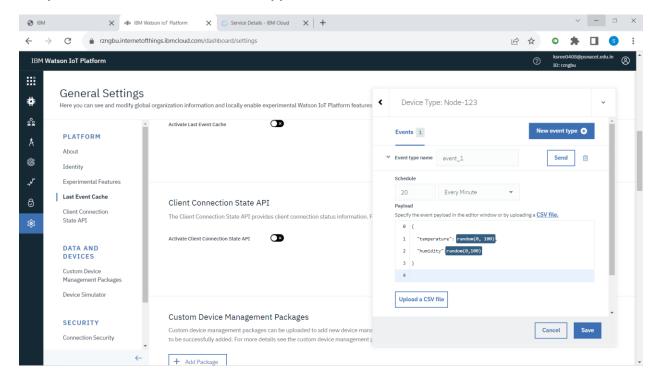
Step 13: Go to settings and click on data and devices. Go to device simulator and activate it.



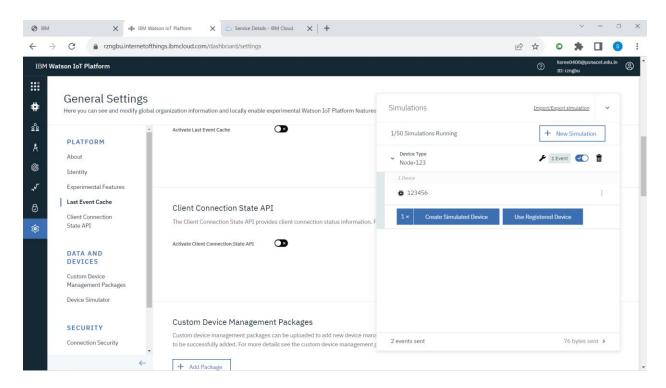
Step 14: Click on pop up on right side and create simulation.



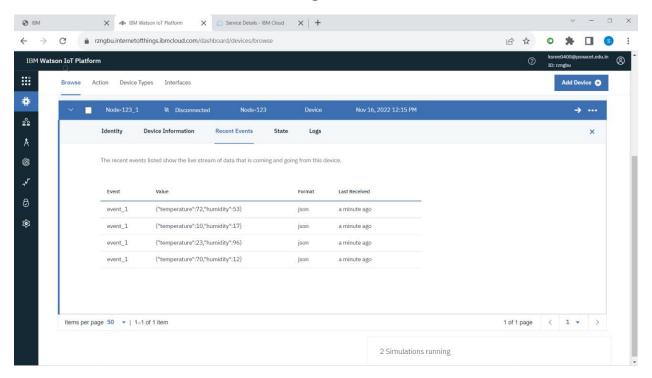
Step 15: Choose device and type code.



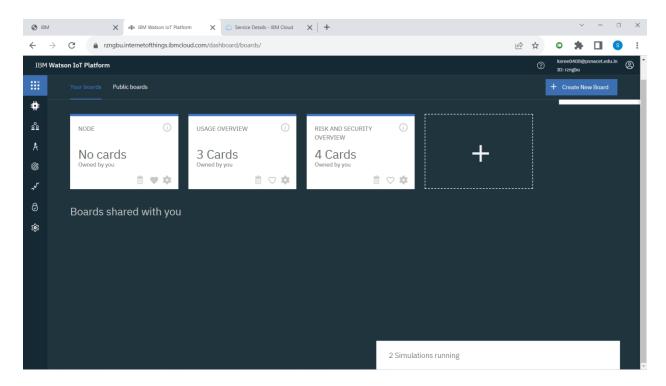
Step 16: Click on Use registered device and choose the device and run it.



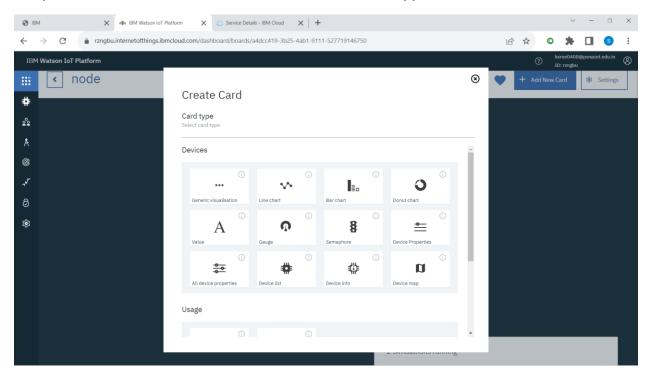
Step 17: Go to devices then click on devices and check the recent events whether the code is running or not.



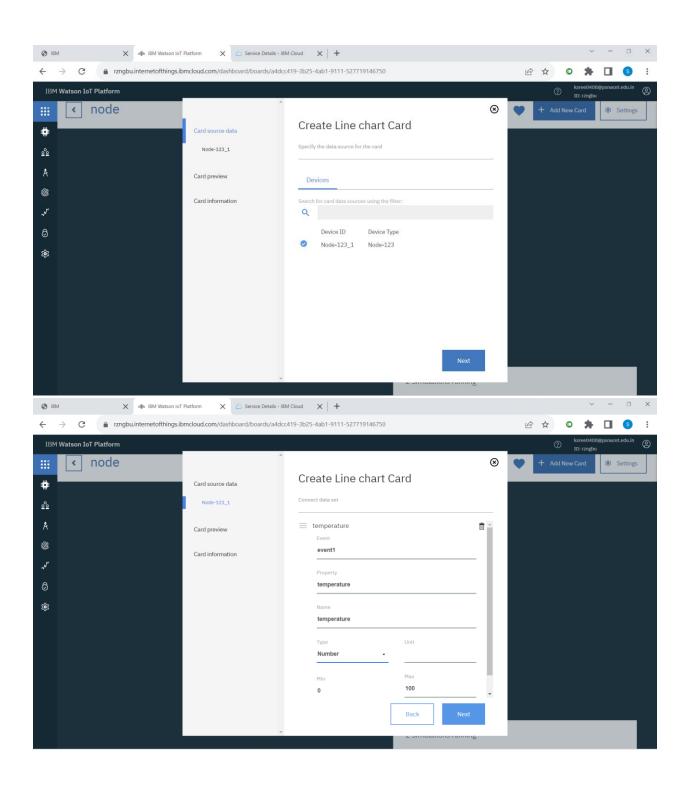
Step 18: Go to board and click on create new board, fill the details and create board.



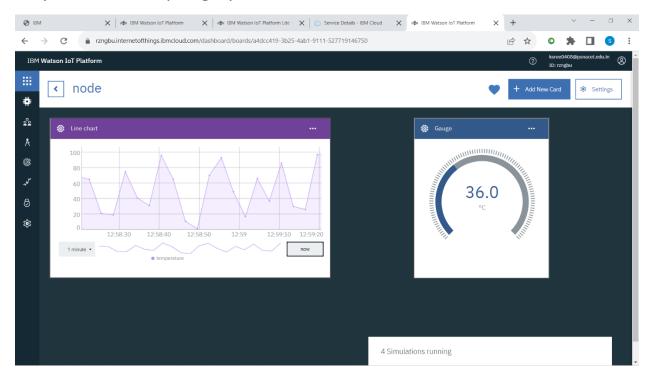
Step 18: Add new card and choose the card type.



Step 19: Choose the device and connect new data set. Fill the details to get temperature graph choose the color. Repeat the same for humidity.



Step 20: Final output graph



### Result:

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