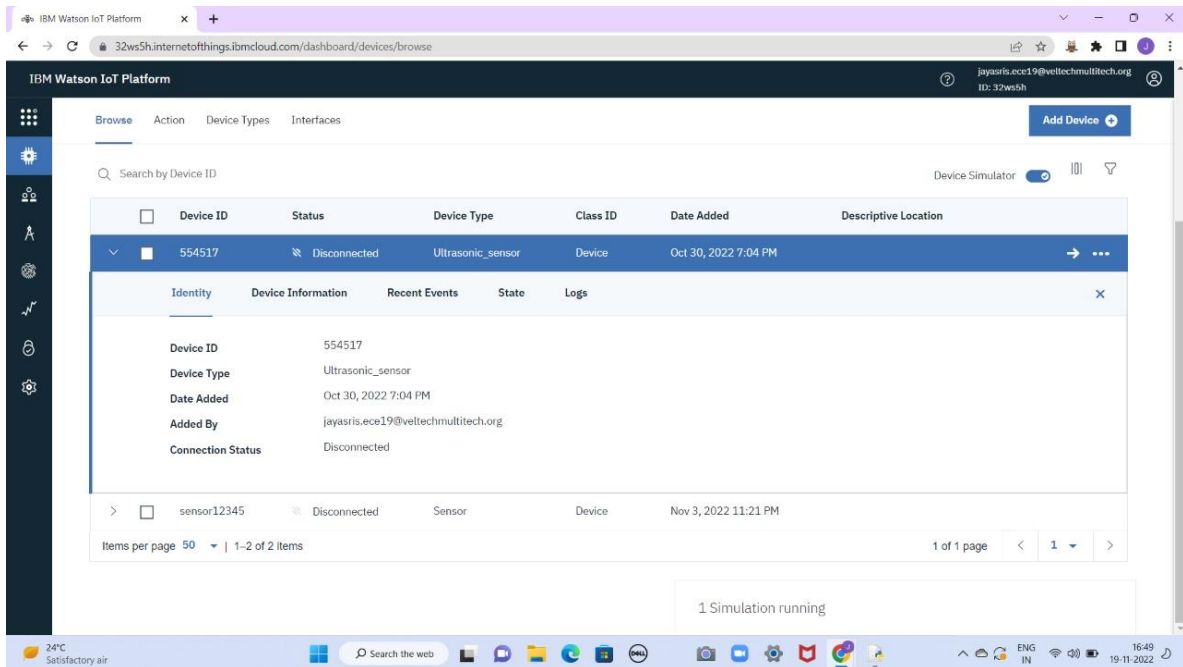


Delivery of Sprint – 4

Date	13 November 2022
Team ID	PNT2022TMID22430
Project Name	Smart Waste Management System for Metropolitan Cities

STEP-1: In this step, User needs to Browse the Device details i.e., Device ID, Device type, Date added, Added by and Connection Status.



The screenshot shows the IBM Watson IoT Platform dashboard. The 'Browse' tab is selected, displaying a list of devices. The first device, ID 554517, is highlighted. A modal window is open showing the 'Device Information' for this device.

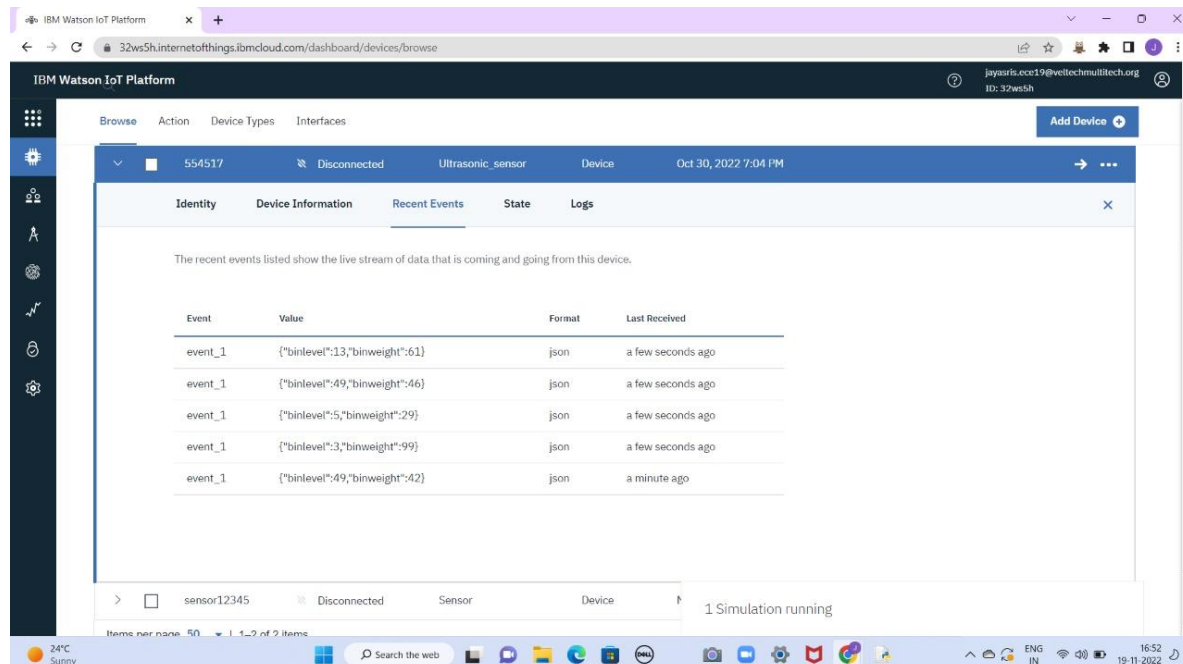
Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
554517	Disconnected	Ultrasonic_sensor	Device	Oct 30, 2022 7:04 PM	

Identity	Device Information	Recent Events	State	Logs
Device ID	554517			
Device Type	Ultrasonic_sensor			
Date Added	Oct 30, 2022 7:04 PM			
Added By	jayasris.ece19@veltechnmultitech.org			
Connection Status	Disconnected			

Items per page: 50 | 1-2 of 2 items

1 Simulation running

STEP-2: Now, User needs to Create a simulation Using type of Device and save it in Events. Check all the simulation which has been Uploaded in IBM Watson IOT Platform.



The screenshot shows the IBM Watson IoT Platform dashboard. The 'Browse' tab is selected, displaying a list of devices. The first device, ID 554517, is highlighted. A modal window is open showing the 'Recent Events' for this device.

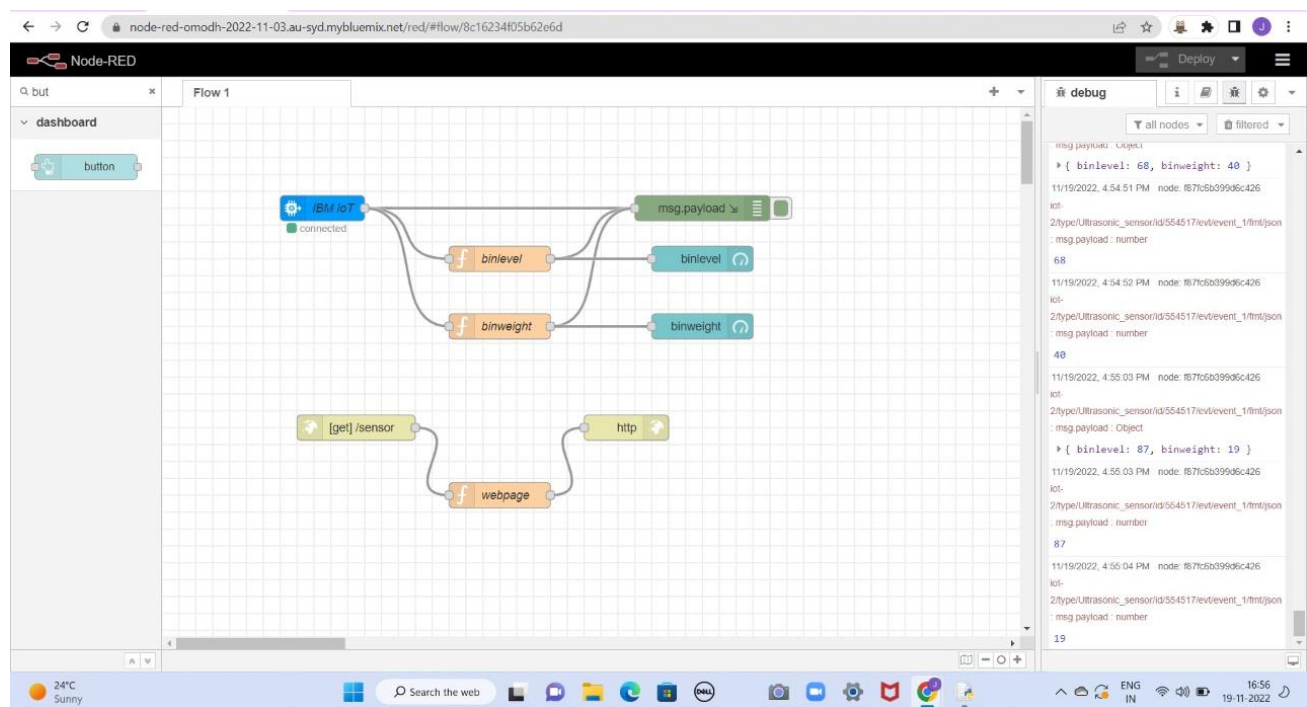
The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"binlevel":13,"binweight":61}	json	a few seconds ago
event_1	{"binlevel":49,"binweight":46}	json	a few seconds ago
event_1	{"binlevel":5,"binweight":29}	json	a few seconds ago
event_1	{"binlevel":3,"binweight":99}	json	a few seconds ago
event_1	{"binlevel":49,"binweight":42}	json	a minute ago

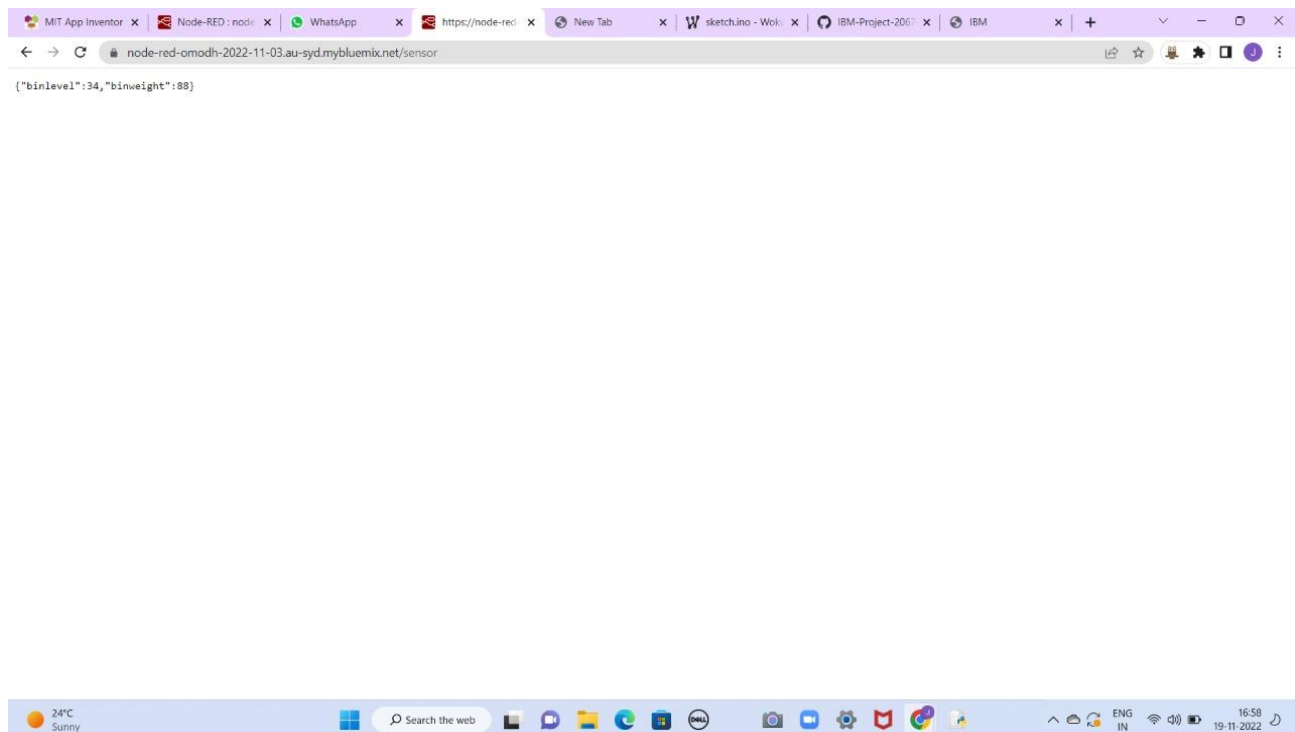
Items per page: 50 | 1-2 of 2 items

1 Simulation running

STEP-3: Connect Node-RED setup for data transmission from IBM Watson IOT platform to Node-RED dashboard & the given values will be displayed at the right side of the Screen.



STEP-4: Further it shows the Random IBM simulated values from IBM device.



STEP-5 : Now open MIT app inventor, In that User has to create a username and password for sign up . The username is Jaysri and the password is 1255. Then login using a same username and password.If it is wrong it shows wrong username and password.



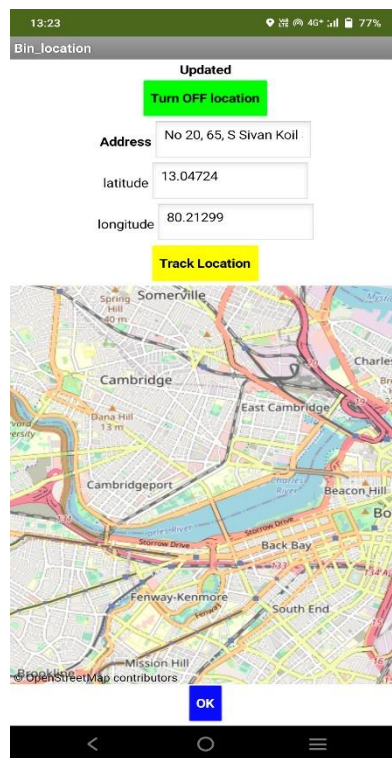
STEP-6: After login , it shows “Welcome to Smart Waste Management System”. And it has a Continue tab.



STEP-7: Click on Continue , it opens location Screen which shows “Bin Details”.Click on bin details which shows garbage level and garbage weight . According to this value the garbage is monitored regularly. If the user want to see the bin location it has a bin location tab.



STEP-8: After clicking Bin location tab it opens Bin_location screen. It track the location and shows the address , lattitude and longitude of the bin which is placed and then click ok. It also has a turn off location tab. By clicking Turn off location tab it stops tracking the bin.



STEP-9: After Clicking ok tab it goes to last_screen. If you want see again bin details by clicking “Go to Bin Details”.

