

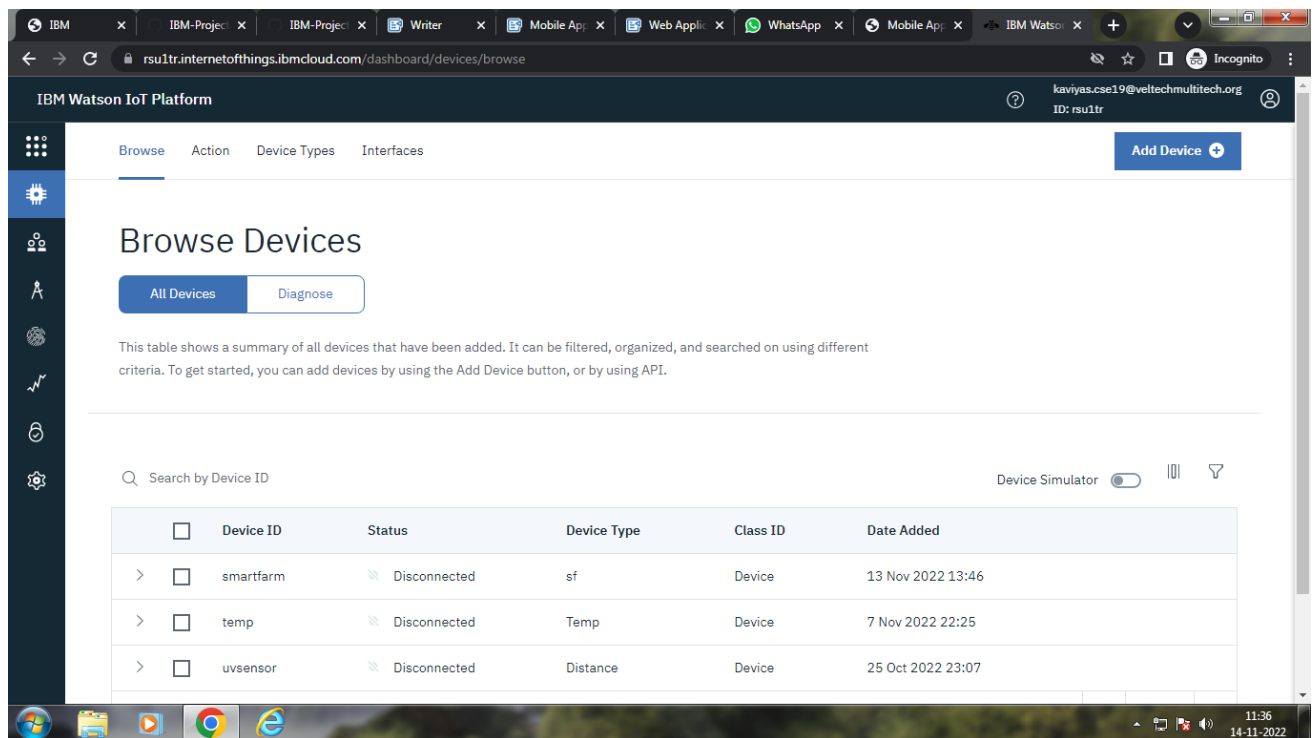
Project Development Phase

Sprint-4

Web Application IBM Watson Simulator Data Testing

Date	14 November 2022
Team ID	PNT2022TMID22317
Project Name	Smart Farmer IOT Enabled Smart FarmingApplication

Open IBM Watson IOT Platform and Simulate the Created Device



The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, displaying the 'Browse Devices' page. The page has a sidebar with various icons and a top right area with a user profile and 'Add Device' button. The main content area shows a table of devices with the following data:

Device ID	Status	Device Type	Class ID	Date Added
smartfarm	Disconnected	sf	Device	13 Nov 2022 13:46
temp	Disconnected	Temp	Device	7 Nov 2022 22:25
uvsensor	Disconnected	Distance	Device	25 Oct 2022 23:07

The 'Device Simulator' toggle is located on the right side of the table, currently set to 'Off'.

The Simulated Data will be shown in Device Recent Events

The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Recent Events' tab is selected, displaying a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with various JSON payloads. A notification at the bottom indicates '1 Simulation running'.

Event	Value	Format	Last Received
event_1	{"Temperature":2,"Humidity":99,"Moisture":83,"P...	json	a few seconds ago
event_1	{"Temperature":21,"Humidity":62,"Moisture":55,"...	json	a few seconds ago
event_1	{"Temperature":7,"Humidity":50,"Moisture":96,"P...	json	a few seconds ago
event_1	{"Temperature":28,"Humidity":12,"Moisture":93,"...	json	a few seconds ago
event_1	{"Temperature":95,"Humidity":99,"Moisture":40,"...	json	a few seconds ago

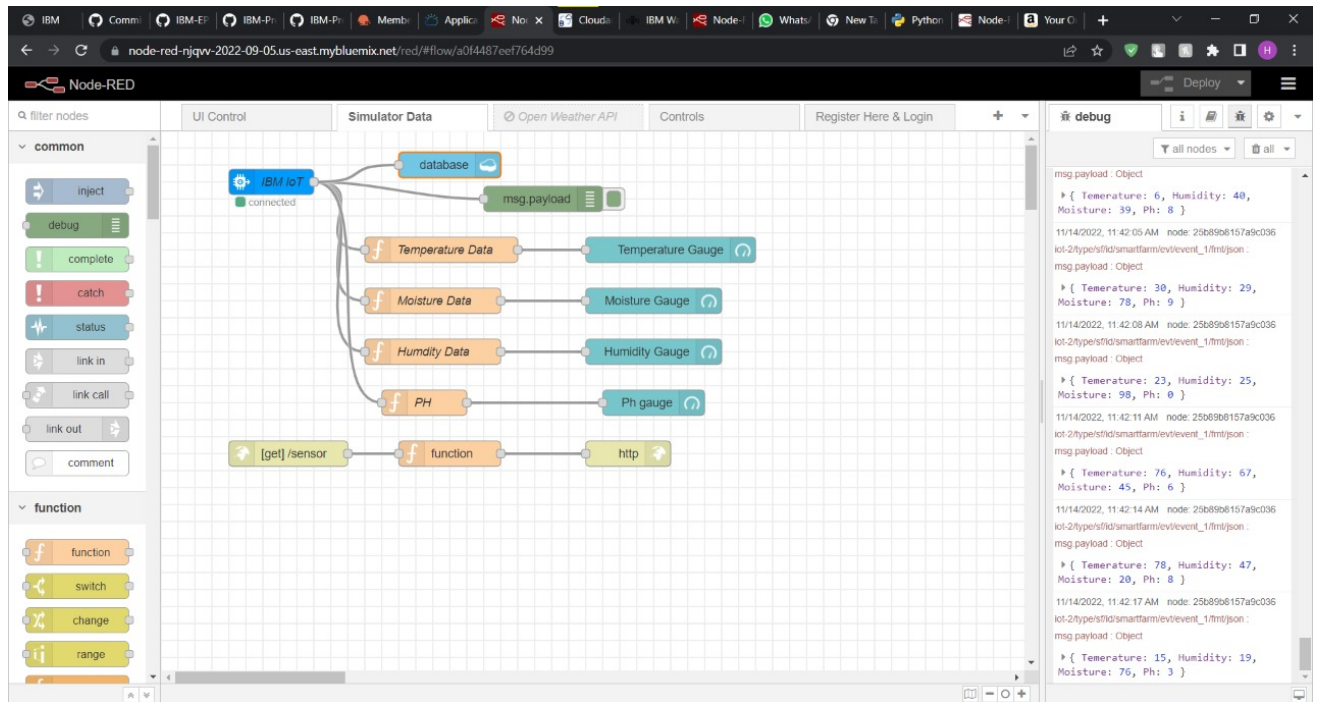
1 Simulation running

The screenshot shows the IBM Watson IoT Platform interface with a 'Device Type: sf' configuration window open. The 'Events' tab is selected, showing a table of events. The 'Event type name' is 'event_1'. The 'Schedule' is set to '20' and 'Every Minute'. The 'Payload' is a JSON object with random values for Temperature, Humidity, Moisture, and Ph. A notification at the bottom indicates '7 Nov 2022 22:25'.

Event	Value
event_1	{"Temperature":86,"Humidity":1,"Moisture":98,"P...
event_1	{"Temperature":25,"Humidity":7,"Moisture":8,"Ph"...
event_1	{"Temperature":32,"Humidity":76,"Moisture":21,"...
event_1	{"Temperature":82,"Humidity":71,"Moisture":6,"P...
event_1	{"Temperature":26,"Humidity":35,"Moisture":41,"...

7 Nov 2022 22:25

Then the Device Recent Event Data's Will Shown in Node-RED



The screenshot shows the output of the Node-RED flow in a browser window. The URL is `node-red-njqv-2022-09-05-east.mybluemix.net/sensor`. The output is a JSON object representing sensor data:

```
{ "temp": 28.5, "humid": 65, "moist": 60, "Ph": 5 }
```