

## PROJECT DEVELOPMENT PHASE

### SPRINT-2 CONNECTION (Interface Sensor)

|               |   |
|---------------|---|
| Team ID       | PNT2022TMID26397  |
| Project Name  | IoT Based Safety Gadget Child Monitoring and Notification |
| Maximum Marks | 8 Marks   |

#### Device Details:

Browse Action Device Types Interfaces Add Device +

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 101

| <input type="checkbox"/>   | Device ID     | Status    | Device Type | Class ID | Date Added          |
|----------------------------|---------------|-----------|-------------|----------|---------------------|
| > <input type="checkbox"/> | demo1         | Connected | raspberrypi | Device   | Nov 5, 2022 1:15 PM |
| > <input type="checkbox"/> | raspberrypi_1 | Connected | raspberrypi | Device   | Nov 5, 2022 4:15 PM |

Items per page 50 | 1-2 of 2 items 1 of 1 page < 1 >

2 Simulations running

ibmiotpublishsubsc...py Screenshot (12).png Screenshot (11).png Screenshot (10).png Show all

16:13 05-11-2022

#### Recent Events:

IBM Watson IoT Platform

Device Type: raspberrypi

| Event   | Value               |
|---------|---------------------|
| event_1 | {"randomNumber":59} |
| event_1 | {"randomNumber":1}  |
| event_1 | {"randomNumber":92} |
| event_1 | {"randomNumber":99} |
| event_1 | {"randomNumber":52} |

Items per page 50 | 1-1 of 1 item

Events 1

New event type +

Event type name: event\_1

Schedule: 1 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "latitude": random(-90,90),
2   "longitude": random(-180,180)
3 }
4
```

Upload a CSV file

Taskbar: Screenshot (10).png, python-3.7.0-amd64.exe, python-3.11.0-amd64.exe

System tray: 15:46 05-11-2022

## Node-Red Connection and Dashboard Design:

Node-RED

Flow 1

Nodes: inject, debug, complete, catch, status, link in, link call, link out, comment, function, switch

Flow 1

msg.payload

worldmap

msg.payload

http request

show notification

child

msg.payload

info

Search flows

Flows

Flow 1

Subflows

Global Configuration Nodes

Flow 1

Flow: "a5dd56eddc42f3d3"

You can confirm your changes in the node edit tray with **ctrl-enter** or cancel them with **ctrl-escape**

Taskbar: 15:15 05-11-2022