

# PROJECT DEVELOPMENT PHASE

## SPRINT-2 CONNECTION (Interface Sensor)

|               |   |
|---------------|---|
| Date          | 05 November 2022  |
| Team ID       | PNT2022TMID09836  |
| Project Name  | IoT Based Safety Gadget Child Monitoring and Notification |
| Maximum Marks | 8 Marks   |

### Device Details:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a table of devices with the following columns: Device ID, Status, Device Type, Class ID, and Date Added. Two devices are listed: 'demo1' and 'raspberrypi\_1', both with a 'Connected' status and 'raspberrypi' device type. The interface also includes a search bar, a 'Device Simulator' toggle, and a '2 Simulations running' status at the bottom.

| Device ID     | Status    | Device Type | Class ID | Date Added          |
|---------------|-----------|-------------|----------|---------------------|
| demo1         | Connected | raspberrypi | Device   | Nov 5, 2022 1:15 PM |
| raspberrypi_1 | Connected | raspberrypi | Device   | Nov 5, 2022 4:15 PM |

### Recent Events:

IBM Watson IoT Platform

Device Type: raspberrypi

Events 1

New event type +

Event type name event\_1 Send

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

| 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

python-3.7.0-amd64.exe python-3.11.0-am...exe Canceled

15:46 05-11-2022

## Node-Red Connection and Dashboard Design:

IBM Application Details - IBM Cloud Node-RED : node-red-nhnp-201

node-red-nhnp-2022-11-05.au-syd.mybluemix.net/red/#flow/a5dd56eddc42f3d3

### Node-RED

filter nodes

- common
  - inject
  - debug
  - complete
  - catch
  - status
  - link in
  - link call
  - link out
  - comment
- function
  - function
  - switch

Flow 1

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`

14:22 05-11-2022