

PROJECT DEVELOPMENT PHASE

SPRINT-2 CONNECTION (Interface Sensor)

Date	05 November 2022
Team ID	PNT2022TMID12298
Project Name	Real Time River Water Quality Monitoring and Control System
Maximum Marks	8 Marks

Device Details:

The screenshot shows a web application interface for managing devices. On the left is a dark sidebar with icons for home, settings, and other functions. The main content area has a top navigation bar with tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. An 'Add Device' button with a plus icon is in the top right. Below the tabs, there are two buttons: 'All Devices' (active) and 'Diagnose'. A text block explains that the table shows a summary of all added devices and can be filtered or searched. Below this is a search bar labeled 'Search by Device ID' and a 'Device Simulator' toggle switch. The main part of the interface is a table with the following columns: 'Device ID', 'Status', 'Device Type', 'Class ID', and 'Date Added'. There are two rows of data: one for 'demo123' which is 'Connected', and another for 'raspberrypi_1' which is 'Disconnected'. At the bottom of the table, it says 'Items per page 50' and '1-2 of 2 items'. The bottom of the screenshot shows a Windows taskbar with the time '03:47 PM' and date '05-11-2022'.

Browse Action Device Types Interfaces

Add Device +

All Devices Diagnose

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

	Device ID	Status	Device Type	Class ID	Date Added
>	demo123	Connected	raspberrypi	Device	Nov 1, 2022 6:46 PM
>	raspberrypi_1	Disconnected	raspberrypi	Device	Nov 4, 2022 6:38 PM

Items per page 50 | 1-2 of 2 items

1 of 1 page

03:47 PM 05-11-2022

Recent Events:

The screenshot shows the ThingsBoard web interface. On the left is a dark sidebar with various icons for navigation. The top bar has tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A blue button labeled 'Add Device' with a plus icon is in the top right. The main content area displays details for a device named 'demo123', which is 'Disconnected' and has the identifier 'raspberrypi'. The 'Recent Events' tab is active, showing a message: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this is a table with the following data:

Event	Value	Format	Last Received
IoTSensor	{"temp":15,"hum":78,"moist":66}	json	a few seconds ago
IoTSensor	{"temp":41,"hum":90,"moist":15}	json	a few seconds ago
IoTSensor	{"temp":54,"hum":29,"moist":61}	json	a few seconds ago
IoTSensor	{"temp":46,"hum":38,"moist":77}	json	a few seconds ago
IoTSensor	{"temp":21,"hum":8,"moist":27}	json	a few seconds ago

The bottom of the image shows a Windows taskbar with the date and time '03:45 PM 05-11-2022'.

Node-Red Connection and Dashboard Design:

