

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, which can be filtered, organized, and 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 date '05-11-2022' and time '03:47 PM'.

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 < 1 >

Recent Events:

The screenshot shows a web interface for managing IoT devices. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area displays details for a device named 'demo123', which is a 'raspberrypi' and is currently 'Disconnected'. The 'Recent Events' tab is active, showing a table of data received from an 'IoT Sensor'.

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

Node-Red Connection and Dashboard Design:

