

# 225 Building Environment Report

NEU Seattle Devs (Hot Sauce)

2025-02-25

## 1 Basic Monitoring Information

### 1.1 Sensor Details

Date: 2/25/2025

Time Range: 8:30:20 - 12:15:01

Location: Floor-1; Sensor#3

Sensor Status: OK

### 1.2 Environmental Monitoring Chart

Individual environmental monitoring charts generated successfully.

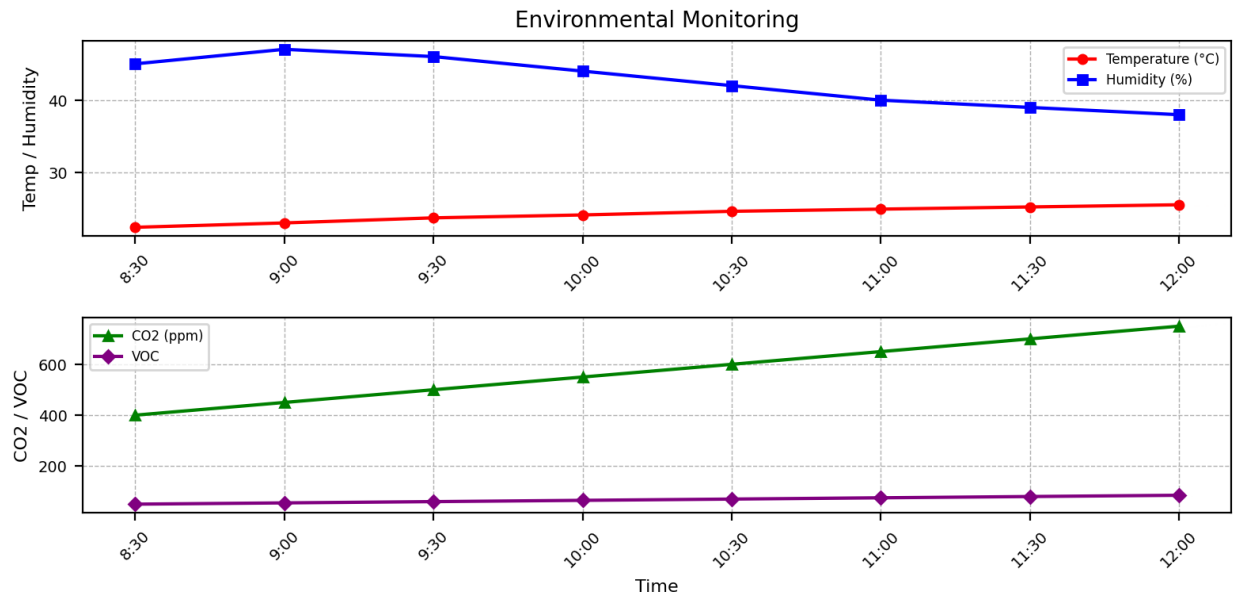


Figure 1: Environmental Monitoring Chart

### 1.3 Data Insights

- **Temperature:** Ranging from 22.5°C to 25.6°C
- **Humidity:** Ranging from 45% to 38%
- **CO2 Levels:** Ranging from 400 ppm to 750 ppm
- **VOC Levels:** Ranging from 50 to 85

## 2 Comfort Level

**Comfort Categories** - Excellent: 90-100 - Good: 75-89 - Moderate: 50-74 - Poor: 25-49 - Unacceptable: 0-24

- Comfort Score during the selected time frame: 84 - Good

### 2.1 Anomaly Detection -> for later dev

- CO2 and VOC levels show steady increase
- Potential indicators:
  - Increased occupancy
  - Reduced ventilation
  - Ongoing activities in the monitored space

## 3 Sensor Specification

- **Sensor Models:** ESP8266, PMS5003(PM2.5), SHT31-D(Temp/Hum), S8(CO2)
- **Calibration Date:** January 15, 2025
- **Sampling Interval:** 5 minutes