# 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

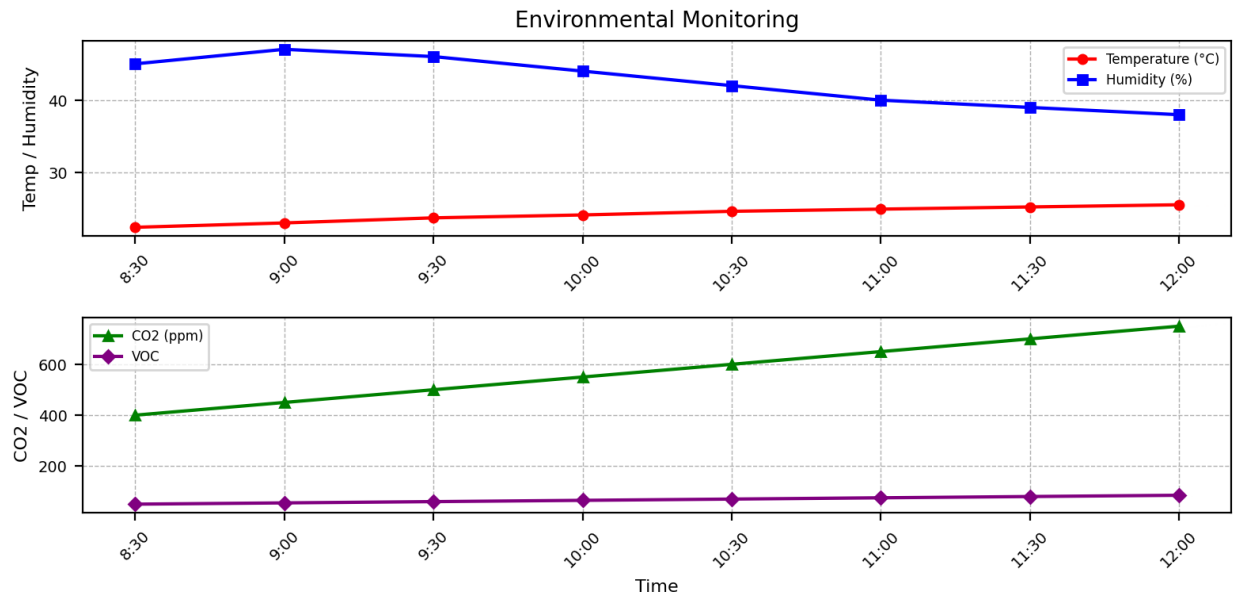Environmental monitoring chart generated successfully.



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

- 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