Supplementary Materials:



Figure S1. View of 3D print of sensors.

Carbon Dioxide, PM2.5, Humidity, Temperature

Start Time: 2023/05/12 15:13 End Time: 2023/05/25 15:13 Search Download as CSV

Reading Time	CO2 (ppm)	PM2.5 (µg/m3)	Humidity (%)	Temperature (°C)
2023-05-22 12:15:01	847.83	3.16	24.15	28.50
2023-05-22 12:15:15	847.46	3.62	24.21	28.49
2023-05-22 12:15:29	847.54	3.93	24.32	28.33
2023-05-22 12:15:33	846.46	4.00	24.48	28.04
2023-05-22 12:15:38	847.62	3.93	24.74	27.58
2023-05-22 12:15:42	847.78	3.93	25.17	26.89
2023-05-22 12:15:47	847.33	3.93	25.75	26.27
2023-05-22 12:15:51	847.79	4.00	26.59	25.59
2023-05-22 12:15:56	846.58	4.16	27.28	25.16
2023-05-22 12:16:00	847.41	4.23	27.97	24.83
2023-05-22 12:16:05	847.33	4.16	28.74	24.53
2023-05-22 12:16:09	846.68	4.08	29.20	24.35

Figure S2. Pollutant data by date and time.

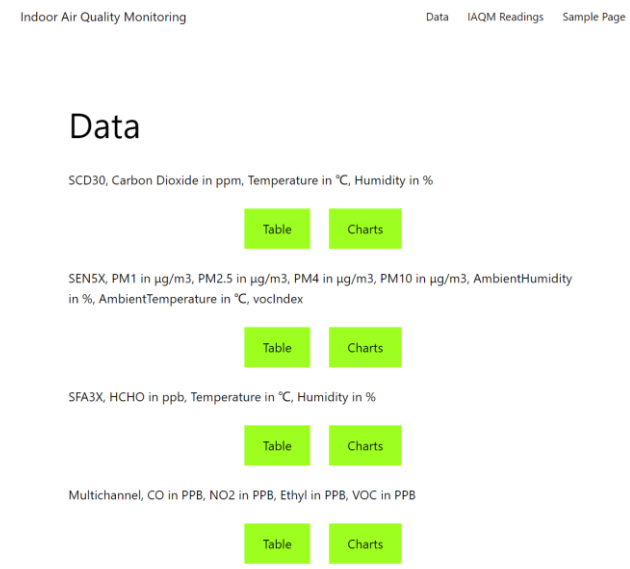


Figure S3. Example of Web Page - Sensor Readings.

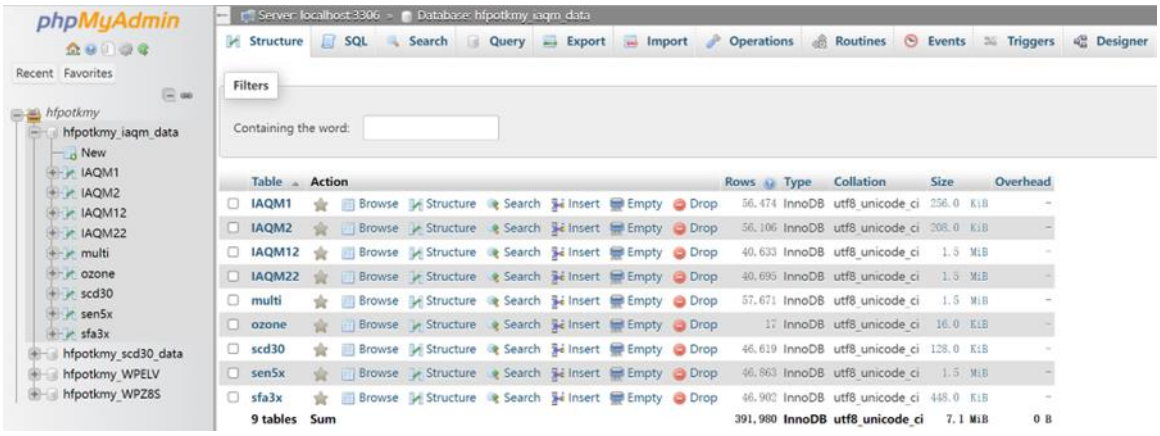


Figure S4. Example of Database – Table List.

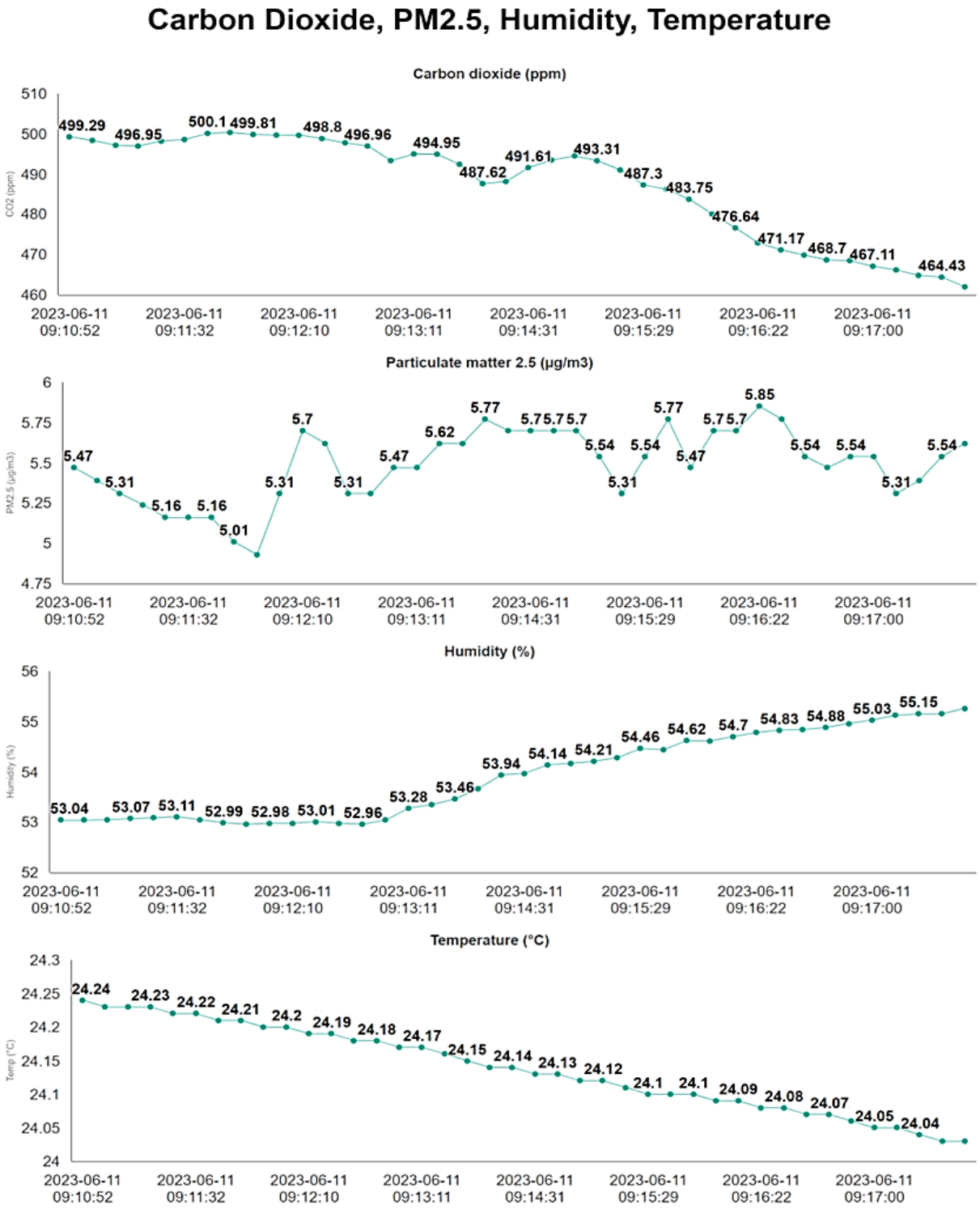


Figure S5. Graphical depiction of real-time measurements of CO_2, $PM_{2.5}$, humidity, and temperature. The x-axis of each chart represents time and date.

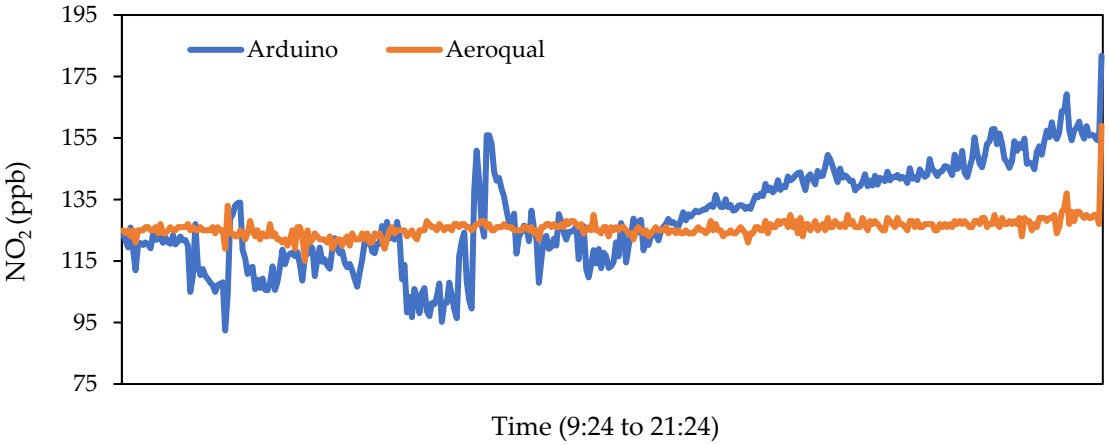


Figure S6. NO_2 at Concordia University for EV Building 6th Floor on Apr 11, 202.

Table S1. AQHI and VOC Index.

AQHI (Canada)	VOC (WHO)	Category
1 – 2	0 to 200 ppb	Satisfactory
2 – 5	200 to 400 ppb	Moderate
5 – 7	400 to 800 ppb	Poor
7 – 10	800 to 2200 ppb	Very Poor
Above 10	2200 to 30000 ppb	Severe

Table S2. Air Parameters for Concordia SAE Office.

Time	CO_2 (ppb)	$PM_{2.5}$ ($\mu g/m^3$)	Humidity (%)	Temp (℃)	NO_2 (ppb)	CO (ppb)	VOC (ppb)
14:16	624	3	31.92	23.1	149.25	1560	488.98
14:17	630	3.39	31.98	23.1	144.62	1454	477.99
14:18	634	2.98	32.1	23.11	143.12	1475	474.39
14:19	637	3.39	32.34	23.11	133.14	1393	467.27
14:20	643	3.54	32.52	23.11	131.78	1433	446.6