

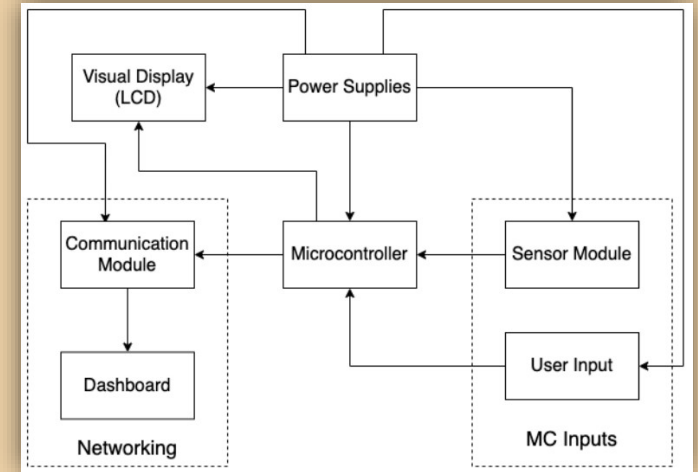
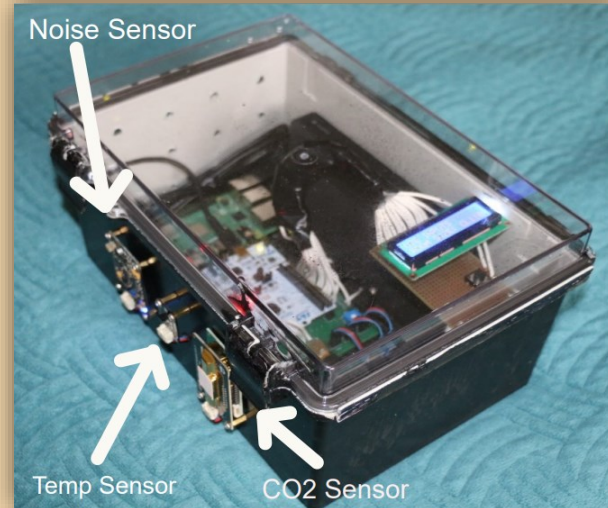
# ROOM OCCUPANCY MANAGEMENT SYSTEM (ROMS)

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## Project Objectives

- To monitor occupancy of a given room
- University dashboard integration
- Portability to identify hotspots
- Autonomous system



## Room Occupancy Management System(ROMS) Dashboard

Date	Time	Temperature(Celsius)	CO2(ppm)	Noise Level(dBa)	Room	Device No
2021-03-31	11:57:33	22	859	63	cl110	1
2021-03-31	11:57:38	23	862	47	cl110	1
2021-03-31	11:57:43	21	862	31	cl110	1
2021-03-31	11:57:48	22	859	40	cl110	1

## Features

- Raspberry Pi FTP and web server
- Displays real time sensor readings via LCD
- User input to select room
- Rechargeable power banks (Two 20,000 mAh)
- Passive ventilation for internal system hardware

## Specifications

- Enclosure size: (11.80" x 7.86" x 6.28" )
- Measures CO2 levels (0ppm to 5000ppm Range)
- Measures temperature (-55 °C to 150 °C Range)
- Measures sound level (30dBa to 130dBa Range)

## Acknowledgements

- University of Regina Facilities Management
- Douglas Wagner
- Dr. Paul Laforge