

## Problem Domain

- I live in and manage a public living space where people are free to come and go. People will often leave trash lying around, forcing residents to clean up after them.

## Proposed Solution

- Set up a monitoring system that keeps track of who comes and goes through the living space and keep track of what they are bringing and leaving in the living space.

# Architecture

- ESP32 micro controller
- Raspberry Pi for handling AI-driven software
- Input/Monitoring Device

# Schedule and Milestones

## Sprint 1

- Gather resources and components required for project
- Set up an environment/workspace and start working on the software

## Sprint 2

- Additional Work on the software
- Set up an AI model for facial recognition/object recognition
- Interface each component of the system

# Learning with AI

## AI integration

- Use of AI in facial/object recognition software
- Using AI to help me learn how to interface each component

**Questions?**

Thank you!