

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

- Set up repository
- Prepare for PPP

Sprint 2

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

Sprint 3

- Additional Work on the software
- Set up an AI model for facial recognition/object recognition