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Introduction

Managing waste efficiently is an important part of keeping our communities clean and sustainable. Traditional waste disposal methods often lead to overflowing bins, inefficiencies and unhygienic environments. Smart Waste System aims to provide more efficient solution to waste management. This project ensures the trash bins are automatically transported to their designed pickup location on trash collection days. The system will record the weight of waste which includes general, organic and recycling to provide valuable data for environment sustainability.

Benefits/Application

- Improvement to waste management with recording weight of general, recycling and green disposal.
- Project can be scaled and implemented to offices, public spaces and other settings
- Reduce manual effort positioning bins to collection area.

Objectives

- Monitors and collects waste data
- Upload data to website for user access
- Bin moves to designated pickup location on the scheduled day.









