

Waste Segregation System

Project Overview

This project focuses on developing a waste segregation system that guides users on the appropriate bin for their waste, based on the type and nature of the waste. The system classifies waste into various categories to promote proper disposal and recycling practices.

Waste Classifications

The waste is classified into the following categories:

- Recyclable:
 - Plastic bottle
 - Paper
- Compostable:
 - Food waste
 - Banana peel
- Hazardous:
 - Battery
 - Paint
- General Waste:
 - Styrofoam
 - Diaper
 - Other

How It Works

The system takes user input regarding the type of waste and provides instructions on which bin to use for disposal. This helps in minimizing environmental impact and improving waste management efficiency.