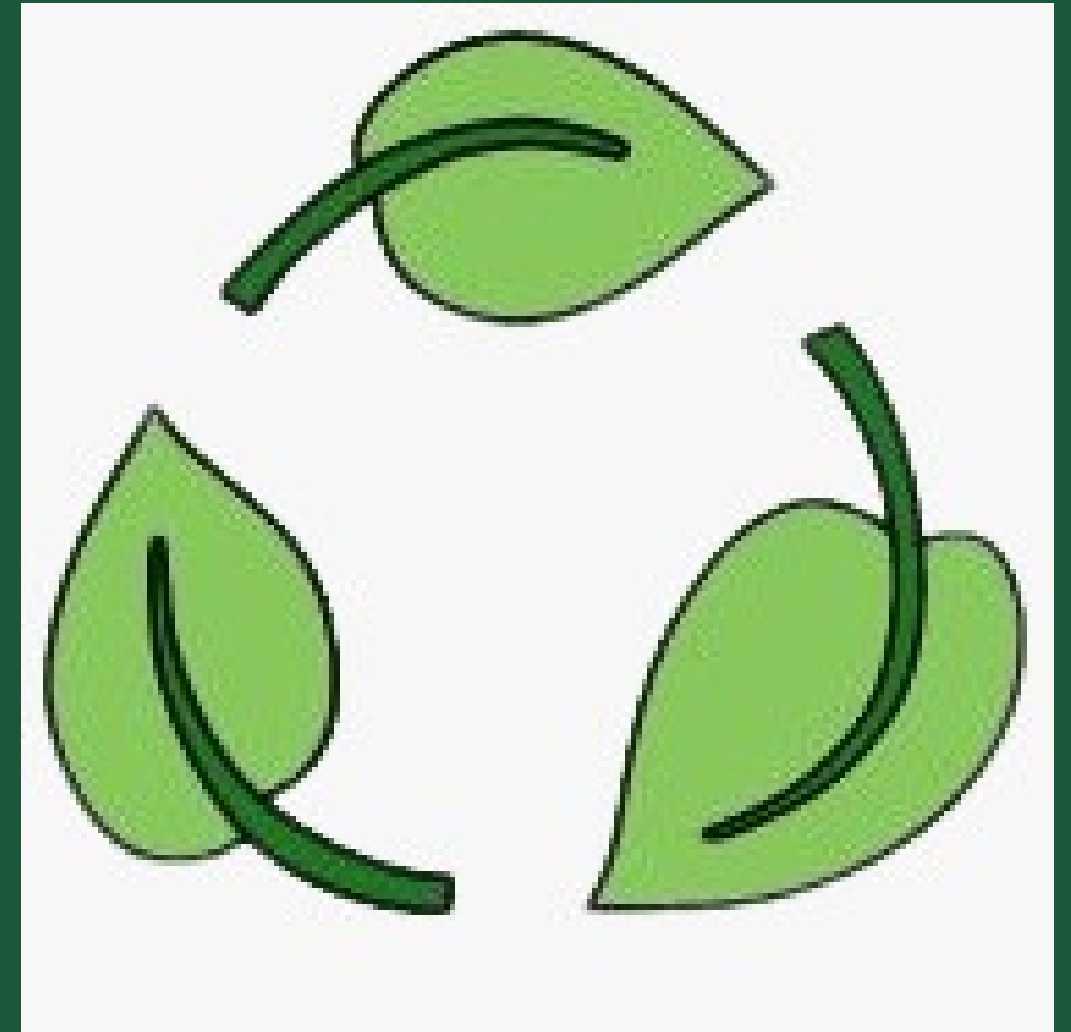Hackathon Presentation

BINTELLIGENCE

A smart bin solution for waste management and analysis

Problem Statement

Project aimed at tackling waste reduction and recycling challenges through technology and innovation. Develop digital tools, applications, or systems that empower individuals, businesses, and communities to minimize waste generation, enhance recycling efforts, and transition towards a circular economy model

Existing Problems

01 Connection between Bin and Garbage Collector

02 Total Waste Collected by each society/organisation

03 Proper Marketplace to connect buyer and seller of waste material

04 Analysis of data through visualization dashboard

Overview

01 Smart Bin Monitoring System

02 Recycled Material Marketplace

03 Waste Tracking and Analytics Platform

04 Organization Leaderboard and Community

Workflow Diagram

Smart Bin is Full → Notify Garbage Collector → Muncipal Corporation → Processed Waste Data → Visualization and Marketplace

THANK YOU