Garbage Management System - Brainstorming & Prioritization

Step 1: Problem Statement

Inefficient and inconsistent garbage collection results in unhygienic living conditions and environmental pollution in urban areas.

Step 2: Brainstormed Ideas

- Smart bins with IoT sensors to notify collection services
- Mobile app for reporting uncollected garbage
- Rewards system for proper waste segregation
- Route optimization for garbage trucks using AI
- Community awareness campaigns for waste reduction

Step 3: Prioritized Ideas

Idea	Impact	Feasibility
IoT-enabled smart bins	High	Moderate
Mobile garbage reporting app	Medium	Easy
AI-powered route optimization	High	Hard
Reward-based recycling system	Medium	Moderate
Waste segregation awareness campaign	High	Easy

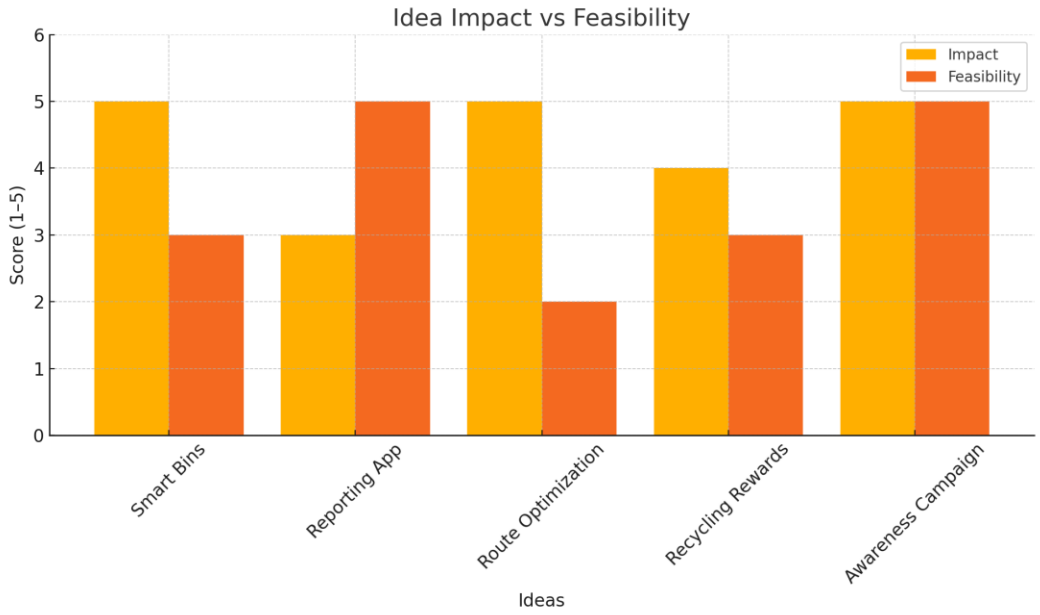
Implementation Strategy

- Start pilot program in high-density urban zones.
- Collaborate with municipalities and private waste management services.
- Incorporate community participation through reward-based feedback apps.
- Phase-wise roll-out based on feasibility scores.

Expected Outcomes

- Reduced waste overflow and cleaner streets.
- Higher citizen participation in segregation and disposal.
- Increased efficiency of waste collection routes.
- Data-driven decision-making using app-based reporting.

Visual Analysis: Impact vs Feasibility



This graph illustrates how each idea scores in terms of potential impact and ease of implementation.