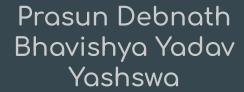
# "Limit Garbage





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## "Control Garbage Production"

#### Problem:

People generate too much waste daily

#### Solution:

A smart app that provides easy waste-reduction tips.

Make reducing waste simple and practical.

## Research

India is facing a growing waste management crisis. According to the Central Pollution Control Board (CPCB), India generated over 160,000 tonnes of solid waste per day in 2023, of which only approximately 75% is collected and just 30% is scientifically processed. The rest ends up in landfills, rivers, or open dumps, causing severe environmental and public health hazards.

#### **Key Issues**

Rapid Urbanization: With urban populations expanding rapidly, municipal systems are overwhelmed, leading to inefficient waste collection and recycling processes.

Lack of Awareness: Most households are unaware of how to segregate waste properly or where to dispose of it sustainably.

Limited Access to Recycling Facilities: Many areas lack clear information or visibility about local recycling centers or waste management services.

Environmental Impact: Improper waste disposal contributes to air, water, and soil pollution, and exacerbates climate change through methane emissions from landfills.

## Problem Statement

- >Most people don't know how to reduce waste.
- No simple tool exists for daily waste-cutting advice.
- >Small, consistent changes can have big environmental impact.



## **OBJECTIVES**

- >Help users cut down waste
- > Provide personalizedwaste-reduction tips
- > Promote sustainable daily habits



### METHODOLOGY



- 1. Quick Lifestyle survey
- App suggests
  waste-reduction tips using
  Al Model
- 3. Users track progress
- 4. Gamification keeps users engaged with points, leaderboards, and recycling rewards

#### **EXPECTED OUTCOMES**

>Less daily waste per user

- > More eco-friendly habits
- Cleaner environment & reduced landfill waste



### **FEATURES**

#### 1. Waste Collection Partner Integration

Collaboration with local waste collection services to get data on users' waste generation. For example:

- If users schedule pickups through our app, the waste collection service can provide data on the amount and type of waste collected.
- Use this data to update the user's waste generation profile.

(Note: Since individual user tracking might not be possible at all places, local municipality can update the cumulative waste collected by the users of the locality.)

#### 2. Recycling Earnings Tracker

 Feature: A dedicated section in the app where users can track how much money they've earned from recycling.

#### How It Works:

- Partner with local recycling centers or programs that pay for recyclables (e.g., bottles, cans, e-waste).
- Users scan receipts or input data from recycling transactions.
- The app automatically calculates and displays total earnings.

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- Integrate a digital wallet where users can store and manage their recycling earnings.
- Allow users to redeem their recycling earnings for discounts, coupons, or donations.



#### 3. Recycling Goals with Financial Incentives

- **Feature**: Set recycling goals with financial rewards for achieving them.
- How It Works:
  - Example: "Recycle 50 cans this month and earn \$5."
  - Users track their progress and receive a bonus when they hit the goal.

#### 4. Integration of Map

- 1. **Open the Map**: User opens the app and navigates to the map feature.
- 2. **View Nearby Locations**: The app shows recycling centers, drop-off points, and composting sites near the user's current location.
- 3. **Filter Results**: User filters by "e-waste" and sees nearby e-waste recycling centers.
- Select a Location: User taps on a pin to view details (e.g., address, operating hours, accepted waste types).
- Get Directions: User clicks "Get Directions" and is redirected to Google Maps for navigation.
- 6. **Check-In**: After disposing of waste, the user checks in at the location to earn points.
- Save Location: User saves the location for future visits.

### CHALLENGES & LIMITATIONS

- > Keeping users engaged daily
- > Ensuring tips fit all lifestyles
- > Encouraging long-term habit changes



## CONCLUSION

- > Small changes = Big impact
- >Our app makes reducing waste simple & practical.

Every action counts!

## THANKYOU