TEAM INTRODUCTION

- Team Name - CodeStorm
- Team members-
  - Arman
  - Ankit Swami
  - Mohd Asheer
- Problem-Statement : Waste-to-energy : Smart Waste Management & Recycling
- Institute Name- Indian Institute of Information Technology Kota

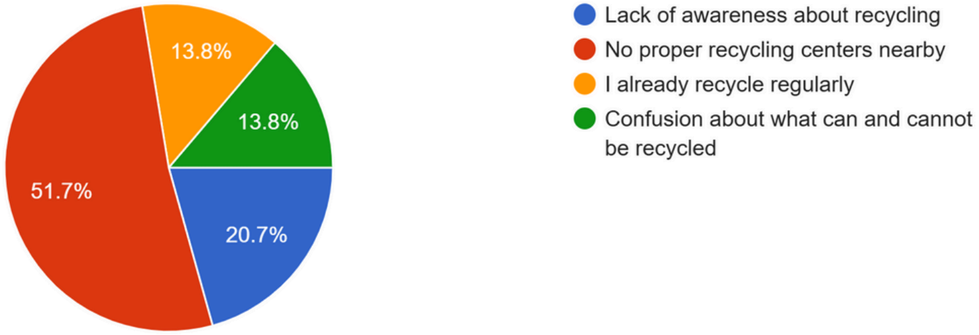
Survey Data

1. How do you usually dispose of household waste?

29 responses

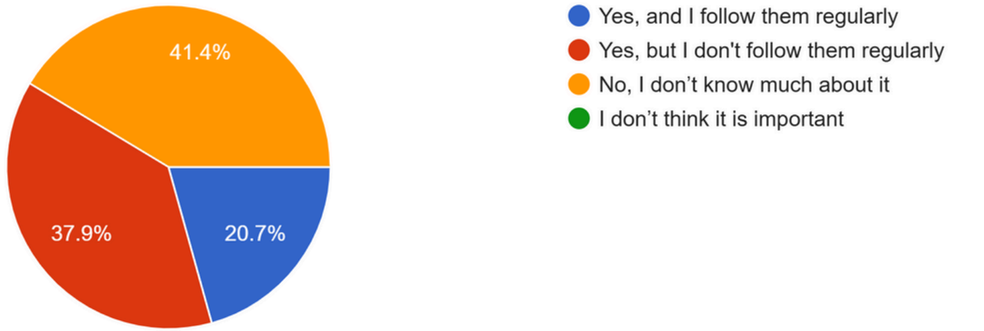
4. What is the biggest challenge in recycling waste for you?

29 responses



3. Are you aware of proper eco-waste management practices?

29 responses



EcoWaste

Eco Waste is an innovative platform designed to optimize waste management through intelligent analysis and actionable solutions. Users can report waste they encounter, and our system will assess its type, providing practical recommendations for reuse and recycling.

For larger waste that requires municipal intervention, our platform seamlessly notifies the appropriate authorities to ensure efficient collection and disposal.

Process Flow Diagram

Key Features and impacts

- **AI-Powered Waste Analysis**

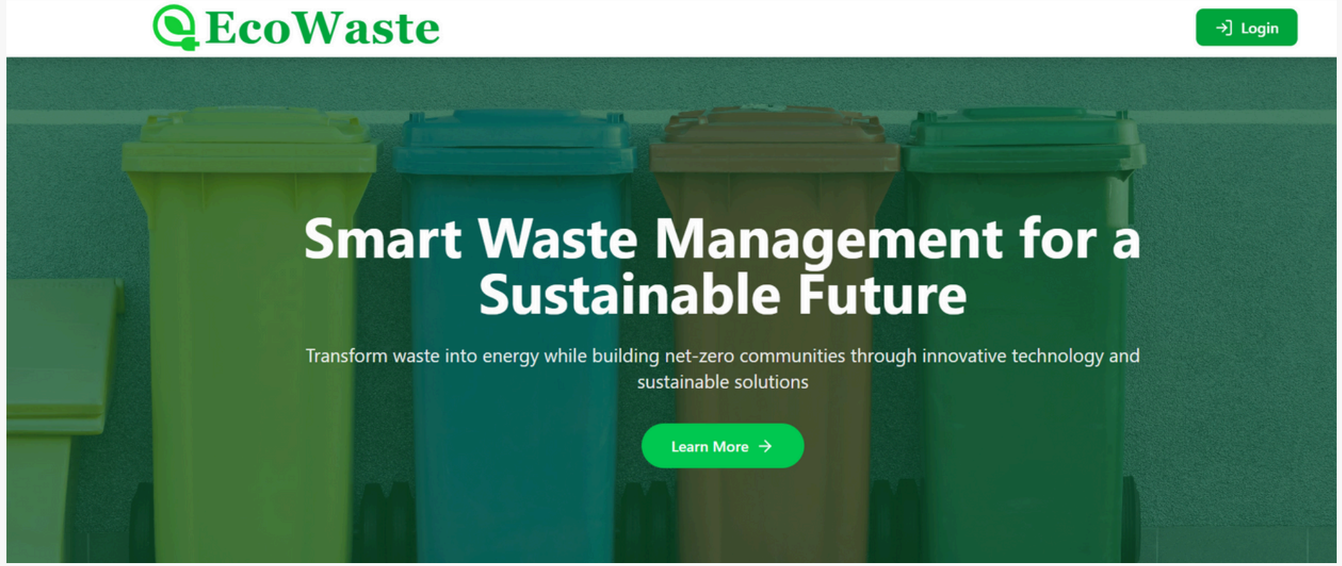
Our intelligent System automatically identifies waste types and provides optimized recycling or reuse solutions.

- **Large Waste Handling**

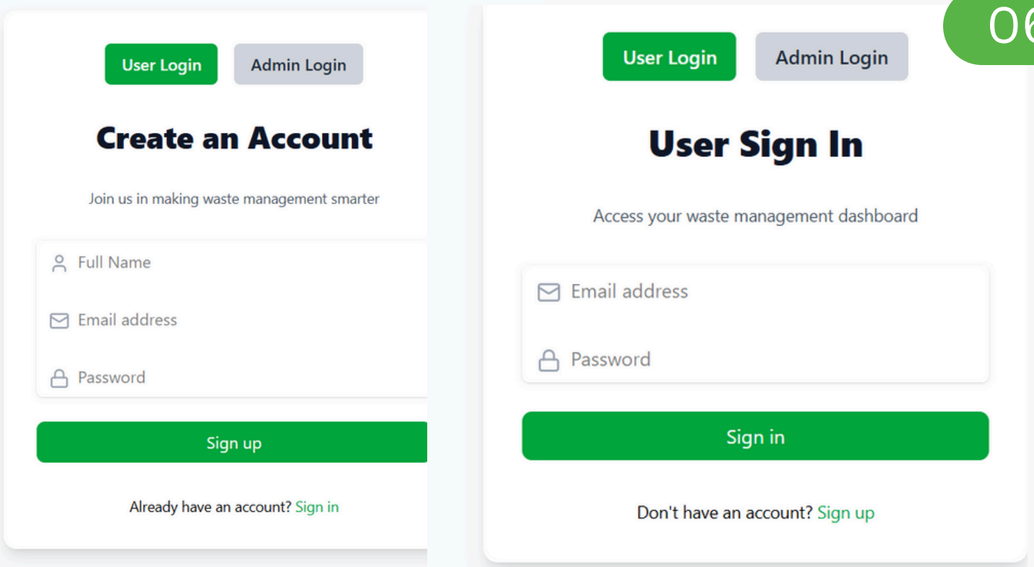
If the waste is too large to handle, our system assigns it to our dedicated team for swift collection and proper disposal, ensuring a cleaner environment

- **User Rewards & Incentives**

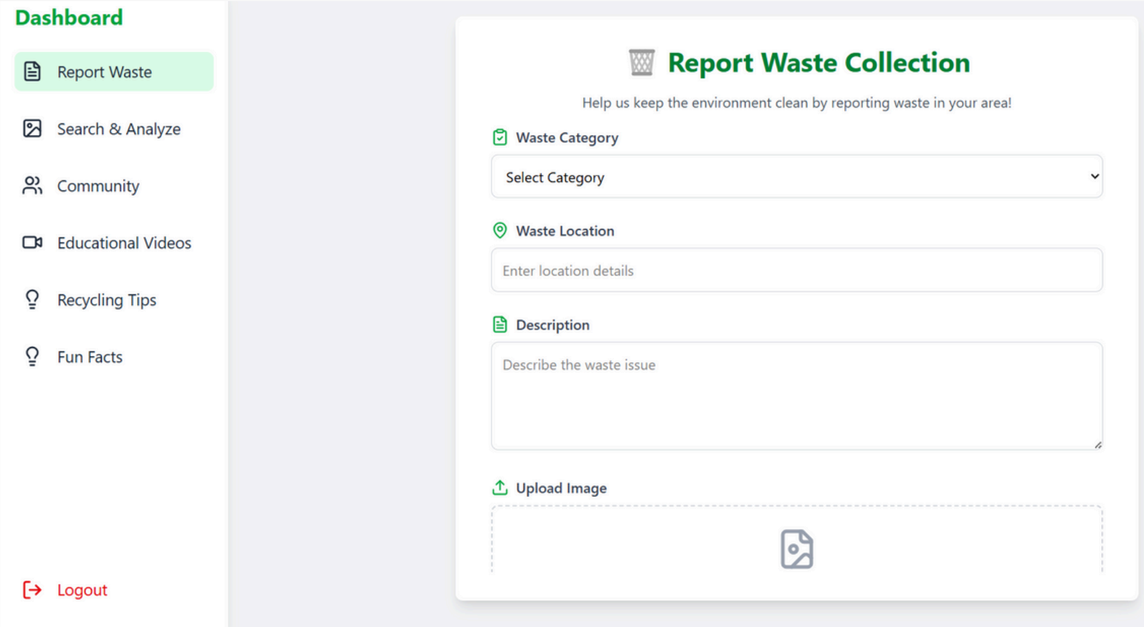
Users who report large waste receive reward points, which can be redeemed for Eco Waste-branded merchandise like caps, T-shirts, and other exclusive items, encouraging active participation.



Home Page



Login/Sign up page



Report Section

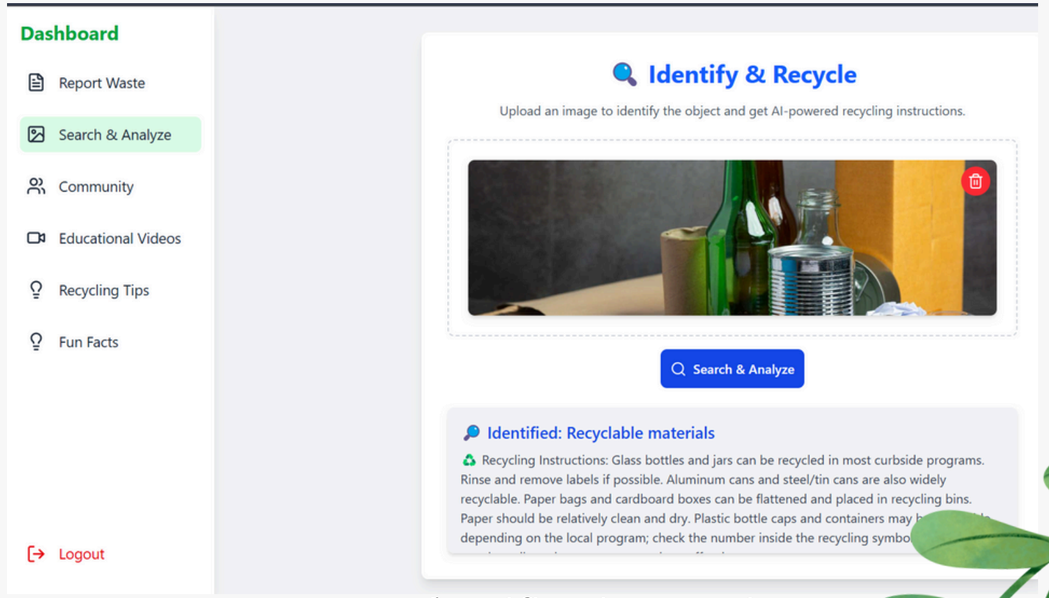
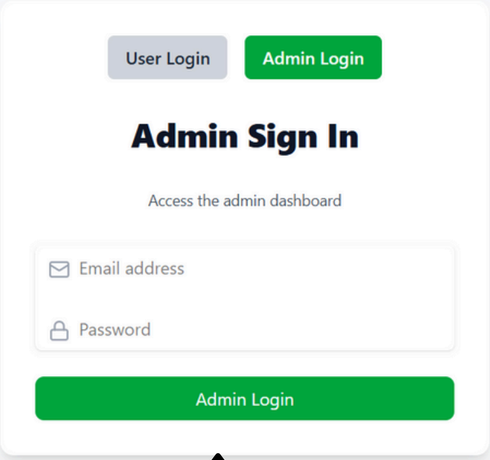
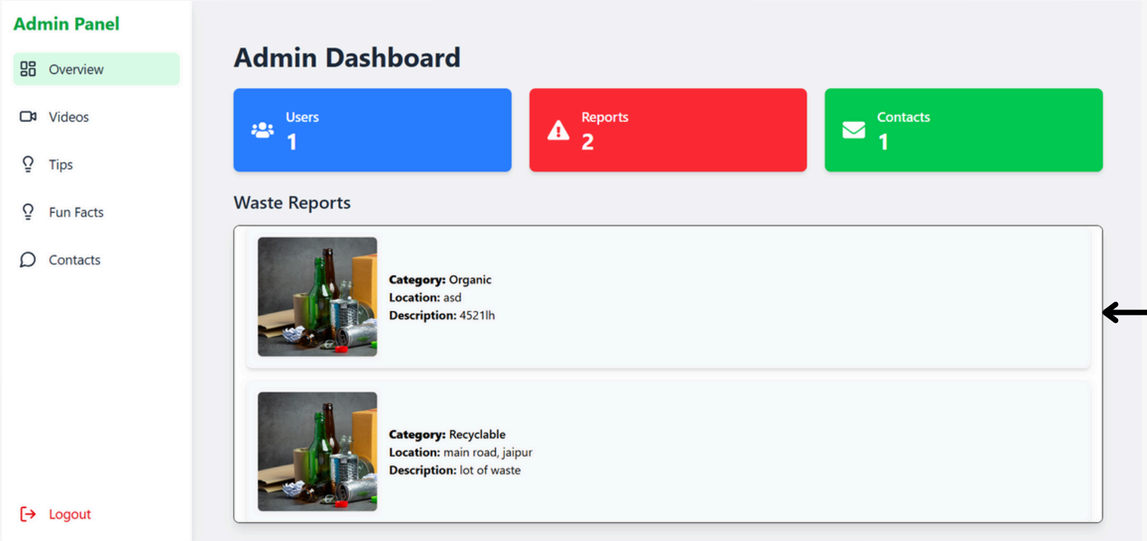


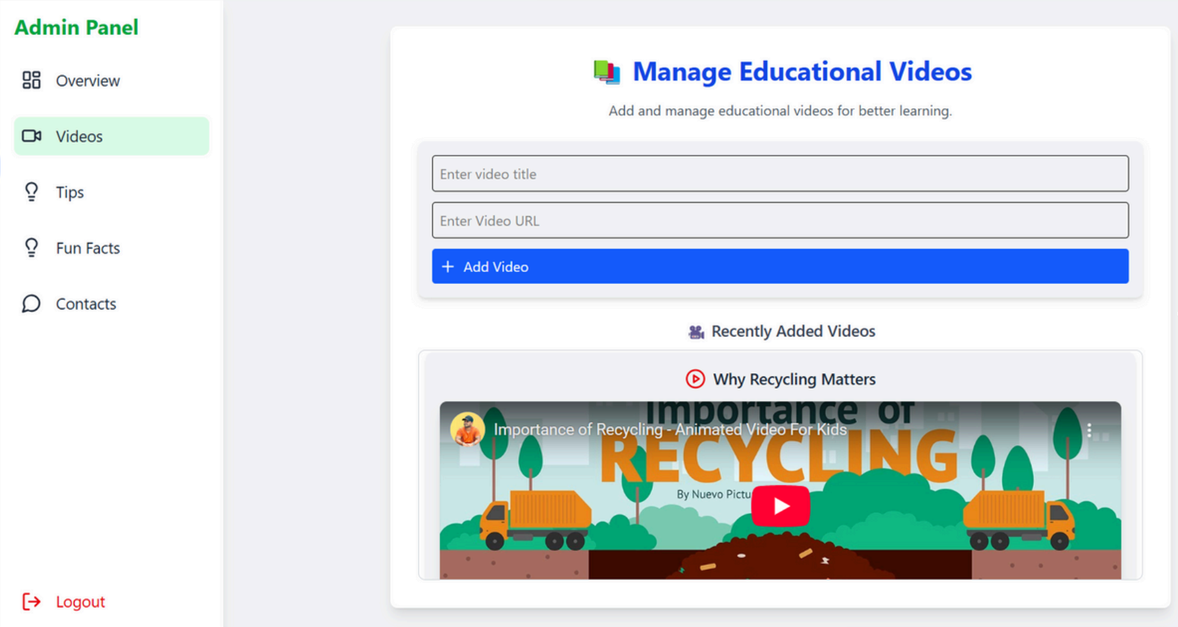
Image Identification Section





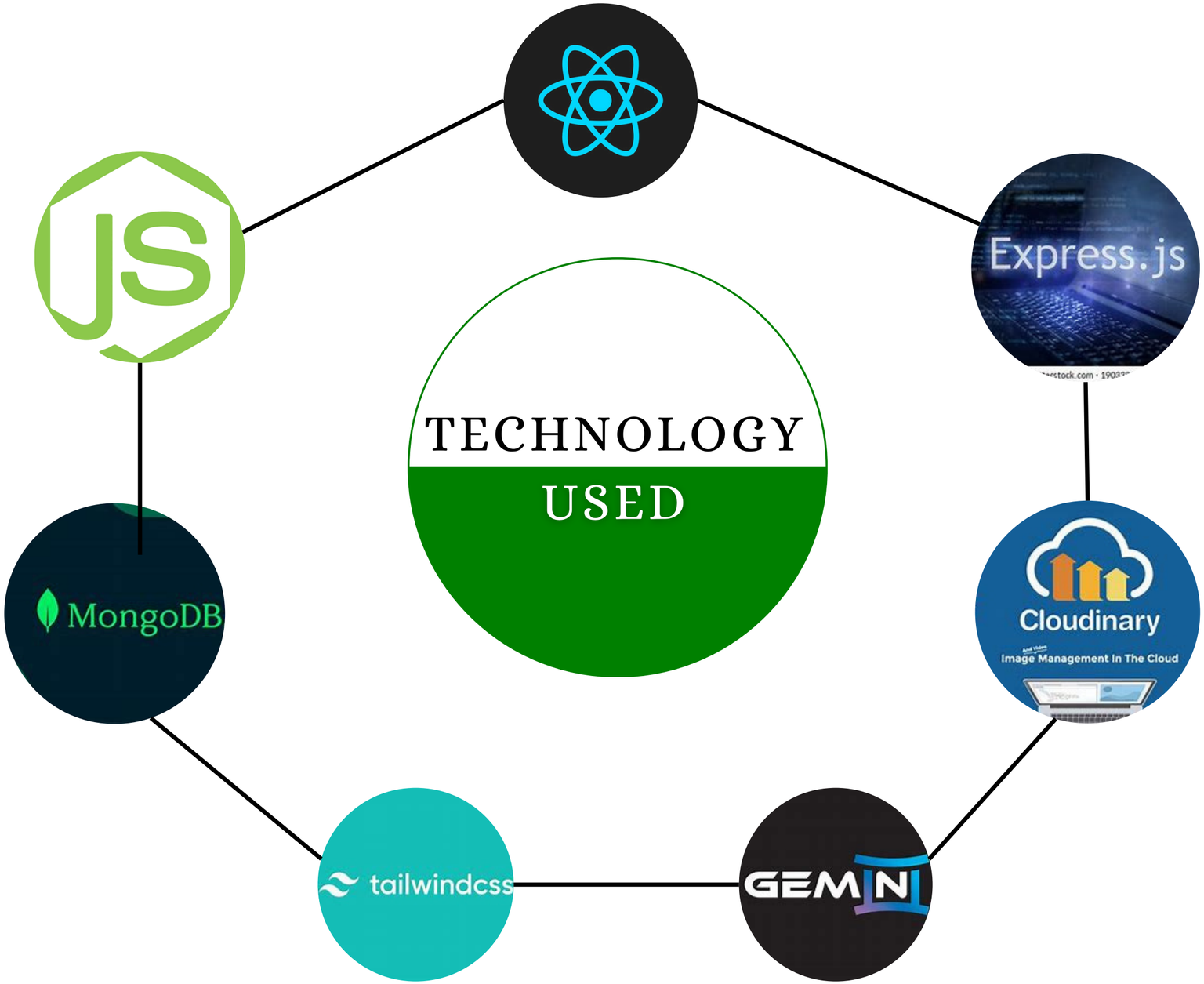
Admin Dashboard

Admin Sign in page



Video Managing Section

TECHNOLOGY USED



Business and Scalability

Waste-to-Byproduct Revenue

Organic waste like cow dung (gobar) can be processed into biogas, fertilizers, or compressed biofuel, creating a new revenue stream. Recyclable waste can be repurposed into raw materials for industries.

Recycling & Resale Revenue

Glass bottles, plastic containers, and other recyclable materials can be cleaned, processed, and sold to manufacturing companies, generating additional income.

Scalability Strategies

Expansion to new cities and regions, continuous AI enhancements, partnerships with recycling plants, businesses, and industries that utilize repurposed was

Thank You