



# Food surplus



## Real-Time Food Surplus Distribution – What Makes It Unique

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- **Software-First Approach:** QR-coded donations + expiry countdown + audit log.
- **Tamper-Evident Audit Trail:** Signed digital receipts for transparent, traceable food handling.
- **Gamified Rewards System:** Points for donors & volunteers; encourages engagement (students/citizens).
- **Real-Time Logistics:** Matching donors → volunteers → beneficiaries with notifications & route optimization.

### Data/Stats to Highlight:

**Global food waste = ~8–10% of GHG emissions (UNEP, 2021).**

Existing platforms (Too Good To Go, Olio) lack auditability and reward mechanisms.



# National Significance

## -Why This Matters for India

- India wastes ~21 million tons of food annually (FAO, 2020).
- Organized redistribution can save thousands of meals per month per city.



**Food Security:** Supports NGOs, shelters, and community kitchens.



**Environmental Impact:** Reduces methane & CO<sub>2</sub> from landfills.



**Corporate Social Responsibility:** Businesses get measurable impact metrics (meals saved, CO<sub>2</sub> avoided).



**Digital Adoption:** Mobile/web apps coordinate surplus collection efficiently.

# Problem & Solution



## Problem Statement

- Surplus food appears unpredictably; charities can't absorb efficiently.
- Manual coordination → delays, wastage, lack of accountability.
- Donors hesitate due to safety & liability concerns.



## Solution Overview

- Donor: Create donation → auto-generated QR → expiry countdown.
- Volunteer: Scan QR → confirm pickup → points rewarded.
- Admin Dashboard: Track donations, pickups, meals saved, CO<sub>2</sub> avoided.



## Impact Metrics

- Meals saved per donation, total CO<sub>2</sub> avoided, volunteer engagement points.
- Visual workflow: Donor → QR → Volunteer Scan → Dashboard Update

# Market Potential



1. **Target Users:** Restaurants, supermarkets, events, households → NGOs, shelters, community kitchens.
2. **Existing Market:** Too Good To Go, Olio, Food Rescue US, FoodCloud → proof of demand.
3. **Differentiator:** Transparent, trackable, gamified rewards system.
4. **Scalability:**
  - Software-first: cloud-based, real-time updates, multi-city.
  - Operational: hub-and-spoke model with local NGO partnerships.
5. **Consumer-facing surplus food market** > \$50B globally (Too Good To Go, 2023).
6. **Measurable KPIs** (meals saved, CO<sub>2</sub> avoided) can attract CSR funding.

# Thank You

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