

## Proposed Solution Template

S.No.	Parameter	Description
1.	<b>Problem Statement (Problem to be solved)</b>	Every day, large quantities of food are wasted in restaurants, hotels, and events, while many poor and homeless people struggle with hunger. There is no proper system to connect food donors with NGOs or volunteers who can collect and distribute leftover food efficiently.
2.	<b>Idea / Solution Description</b>	A <b>digital platform or mobile application</b> is developed to connect <b>food donors</b> (restaurants, caterers, hostels, event organizers) with <b>NGOs and volunteers</b> who can collect and distribute food to needy people. The system provides real-time notifications, ensures food safety checks, and enables tracking from donation to delivery.
3.	<b>Novelty / Uniqueness</b>	The project introduces a <b>real-time, tech-enabled solution</b> to reduce food wastage and hunger simultaneously. It uses <b>location-based matching</b> between donors and volunteers, ensuring immediate pickup and delivery. The model is sustainable, socially impactful, and easy to scale.
4.	<b>Social Impact / Customer Satisfaction</b>	The system helps reduce food waste and ensures that leftover food reaches poor people who need it the most. It promotes social welfare, sustainability, and environmental conservation, while also improving public awareness and empathy.
5.	<b>Business Model (Revenue Model)</b>	The project follows a <b>non-profit operational model</b> . However, small operational costs can be supported through CSR funds, NGO partnerships, or government schemes focused on hunger eradication and waste reduction.
6.	<b>Scalability of the Solution</b>	The system can be scaled to cover multiple cities and can later integrate <b>AI-based demand forecasting</b> for food distribution. It can also collaborate with local authorities for automated pickup scheduling and expanded beneficiary reach.

### Solution Description:

To address the problem of food wastage and hunger, the *To Supply Leftover Food to Poor* system introduces a smart and structured method for food redistribution.

The proposed solution connects food donors, NGOs, and volunteers through a **centralized digital platform**. When food becomes available, donors can instantly notify registered NGOs and volunteers nearby.

The system ensures **food safety** through quality checks and maintains proper tracking of collection and delivery. Each transaction is logged for transparency and impact measurement.

This approach not only reduces food wastage but also strengthens community collaboration, contributing to the fight against hunger and environmental pollution.

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**Reference:** Infographic created using Canva / MidJourney

