

Project Design Phase
Proposed Solution

Date	01 NOVEMBER 2025
Team ID	NM2025TMID09002
Project Name	Supply Leftover Food to Poor
Maximum Marks	2 Marks

Proposed Solution Template

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A large amount of leftover food from hotels, weddings, restaurants, and households goes to waste, while many poor people struggle for daily meals. Lack of coordination, tracking, and timely food pickup results in food spoilage and missed opportunities to help the needy.
2.	Idea / Solution Description	Develop a digital platform to connect food donors, volunteers, NGOs, and needy people. Donors upload food availability details, volunteers receive pickup alerts, and the food is distributed safely to the poor. The system ensures real-time pickup requests, food quality checks, delivery tracking, and hygiene guidelines.
3.	Novelty / Uniqueness	Innovative social solution using real-time technology for food redistribution. Combines digital logistics, community support, and food waste control to provide meals to hungry people. Encourages responsible food management and social service through automation.
4.	Social Impact / Customer Satisfaction	Reduces food wastage and hunger simultaneously. Poor communities get timely food, donors gain social satisfaction, and volunteers contribute to community service. Promotes sustainability and supports SDG Goal 2: Zero Hunger.
5.	Business Model (Revenue Model)	Non-profit or hybrid model: Sponsorships, NGO partnerships, CSR funding, donations, volunteer programs, and tie-ups with food chains & event halls. Can later scale with premium support services or delivery partners.
6.	Scalability of the Solution	Can expand city-wide and nationwide with more volunteers, donors, and logistics partners. Can include features like cold-chain transport, food quality sensors, and AI-based routing for faster distribution.

Solution Description

To solve the problem of food wastage and hunger, this project proposes a smart food donation and distribution system. The platform allows restaurants, hotels, and households to register leftover food and request pickups. Volunteers receive notifications, collect food, and deliver it to nearby needy communities or shelters after quality checks.

The system ensures real-time communication, safe delivery, transparency, and fast distribution to avoid spoilage. By combining technology and social responsibility, it reduces hunger, helps the poor, supports sustainability, and builds a compassionate community network.