

Project Design Phase

Proposed Solution

Date	30 OCT 2025
Team ID	NM2025TMID02646
Project Name	To Supply Left Over Food To Poor
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Every day, large amounts of edible food from restaurants, hotels, canteens, and events are wasted while many poor and homeless people go hungry. There is no organized system to collect, manage, and redistribute leftover food safely and efficiently..
2.	Idea / Solution description	Develop a digital platform or mobile application that connects food donors (restaurants, event organizers, households) with NGOs and volunteers who can collect and distribute the leftover food to the needy. The app will include features like real-time notifications, location tracking, food safety guidelines, and feedback monitoring.
3.	Novelty / Uniqueness	The solution combines technology and social responsibility by creating a bridge between surplus food providers and recipients. It provides a transparent, real-time, and traceable way to ensure safe food redistribution — using location-based matching and timely coordination.
4.	Social Impact / Customer Satisfaction	The project directly contributes to reducing hunger and food waste while promoting community welfare. It also helps organizations and individuals participate in charitable activities, enhancing their social reputation and satisfaction.

5.	Business Model (Revenue Model)	The app can operate as a non-profit initiative with potential funding through CSR programs, NGOs, or government support. Alternatively, restaurants and event services can subscribe to premium plans for food collection scheduling, reporting, and recognition badges.
6.	Scalability of the Solution	The solution can be scaled across cities and countries. It can also expand to include grocery stores, caterers, and food delivery partners. Future versions can integrate AI for predicting food surplus, optimizing pickup routes, and ensuring food safety compliance.

Conclusion

The project “**To Supply Leftover Food**” addresses significant social and environmental issue related to food wastage and hunger. Enis initiative not reducing food wastage and vovolunteer ensures a chrefcient and sate delivery of excess food to a ffecent ana envrronmentaity welfare, orovidng mistakes that lead to sustainable ecosystem that fights hunger, minimizes waste, and supports a global goal of “Zero Hunger” as part of sustainable development. Ultimatly, “To Supply Leftover Food lays the foundation for a smarter, more compassionate ecosystem that fights hun- ger, minimizes waste, and supports the global “zero Hun- ger” as part of susta inable development.

Reference: Infographic created using MidJourney.

Solution Description:

To minimize food wastage and support underprivileged communities, a digital platform is developed to collect and distribute leftover food from restaurants, events, and households. The system connects food donors with registered NGOs and volunteers through a mobile or web application. When a donor registers leftover food, the system automatically notifies the nearest volunteer or NGO for pickup and delivery. Real-time tracking ensures transparency, while notifications and feedback loops maintain accountability and trust. This solution leverages existing technologies such as GPS tracking and cloud databases, making it simple, scalable, and cost-effective. It not only reduces food waste but also contributes to hunger reduction and social welfare.