Project Design Phase
Proposed Solution

Date	31 OCTOBER 2025
Team ID	NM2025TMID02077
Project Name	To Supply Leftover 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, and events are wasted, while many poor people suffer from hunger. There is no organized, technology-based system to connect donors, volunteers, and NGOs for redistributing leftover food safely and efficiently.
2.	Idea / Solution description	The project introduces a web-based system that allows donors to register and report available leftover food. Volunteers are automatically assigned to collect and deliver food to verified drop-off points such as shelters and orphanages. The system records details like location, time, food category, and feedback to ensure accountability and transparency.
3.	Novelty / Uniqueness	The solution combines social responsibility with digital innovation. It not only reduces food wastage but also supports hunger relief through real-time coordination, GPS tracking, and volunteer task management — all in a single integrated platform.
4.	Social Impact / Customer Satisfaction	The project directly benefits underprivileged communities by providing safe meals while reducing environmental waste. Donors gain recognition, volunteers contribute meaningfully, and NGOs receive reliable food support — resulting in high community satisfaction.
5.	Business Model (Revenue Model)	Though non-profit in nature, the model can sustain itself through partnerships, CSR contributions, and sponsorships from food brands or NGOs. Long-term, it can expand to include waste management or paid logistics services.

6.	Scalability of the Solution	The solution can be extended to include other modules like Change Requests or Problem Tickets. It can also be adapted for role-based restrictions in large teams.

Reference: Infographic created using MidJourney.

Solution Description:

The project "To Supply Leftover Food to Poor" provides an efficient digital solution for tackling food wastage and hunger. The system connects restaurants, hotels, and event venues that have surplus food with volunteers who pick it up and deliver it to nearby NGOs and shelters. Each food collection and delivery is tracked with proper verification to maintain hygiene and quality. The solution ensures that every meal saved reaches a needy person, creating a sustainable social impact while promoting community responsibility and environmental care.

Conclusion

The proposed system creates a strong digital bridge between food donors, volunteers, and NGOs, ensuring that every bit of edible food reaches the needy instead of going to waste. By combining technology with social welfare, the project promotes community participation and sustainability.