

Project Design Phase Proposed Solution

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| Date | 02 November 2025 |
| Team ID | NM2025TMID04225 |
| Project Name | To supply left over food to poor |
| Maximum Marks | 2 Marks |

Proposed Solution:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Every day, large amounts of edible food are wasted in restaurants, hostels, events, and canteens, while many people go hungry due to lack of access to nutritious meals. There is no organized system to collect, store, and distribute leftover food safely to the poor. |
| 2. | Idea / Solution description | A digital platform (web or mobile app) will be created to connect food donors (restaurants, event organizers, and canteens) with nearby NGOs and volunteers. Donors can register leftover food, which will then be collected, quality-checked, and distributed to the poor through partner organizations. The system includes features such as location tracking, freshness indicators, and a notification system for volunteers. |
| 3. | Novelty / Uniqueness | This solution combines technology and social welfare by digitally bridging food donors and receivers. It uses real-time updates and freshness validation to ensure safe distribution. The system not only prevents food wastage but also provides an innovative, scalable model for community hunger relief. |
| 4. | Social Impact / Customer Satisfaction | The project will directly benefit underprivileged communities by providing them with safe, nutritious food that would otherwise go to waste. It promotes social responsibility among businesses and individuals and supports sustainable food management practices. |
| 5. | Business Model (Revenue Model) | The platform can operate on a non-profit basis with support from sponsors, donors, and CSR initiatives. Optional subscription features for premium donors (such as restaurants tracking donations for tax benefits) can generate small-scale revenue for maintenance and expansion. |
| 6. | Scalability of the Solution | The solution can be scaled citywide or nationally by onboarding more NGOs and donors. It can also integrate with government welfare schemes or extend to other categories such as clothing or grocery donations. GPS-enabled routing and cloud data storage make expansion efficient and cost-effective. |

Conclusion

The project "**To Supply Leftover Food to the Poor**"

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Solution Description:

To reduce food wastage and feed the poor, this project introduces a digital food redistribution system that connects donors and recipients through a unified platform.

When a restaurant or event registers leftover food, the system notifies nearby NGOs and volunteers, who collect and deliver the food to needy individuals and shelters. The solution emphasizes food safety, timely collection, and volunteer coordination to ensure no edible food is wasted. By leveraging simple technology and community collaboration, this initiative provides a sustainable method to fight hunger while promoting environmental and social responsibility.