

Requirement Analysis

Date : 03/11/2025

Team ID : NM2025TMID03917

Project Name: To Supply Leftover Food to Poor

Marks : 4

OBJECTIVES

The main objective of this project is to develop a system that efficiently collects leftover food from various sources such as restaurants, hotels, events, and households, and distributes it to poor and needy individuals through nearby NGOs and volunteer networks. The system aims to minimize food wastage while addressing hunger in underprivileged communities.

Key Requirements:

1. User Registration and Authentication – For donors, NGOs, and volunteers.
2. Food Collection Management – Donors can log food details (type, quantity, pickup time).
3. Location Tracking – Integration with GPS to locate nearby NGOs or volunteers.
4. Real-time Notifications – For pickup and delivery updates.
5. Reporting Module – To track number of donations, beneficiaries, and impact.
6. Feedback System – To collect feedback from recipients and donors.

Functional Requirements:

- Donors can register and offer leftover food for donation.
- NGOs can view available food donations and request pickups.
- Volunteers can manage logistics between donors and NGOs.
- Admin can monitor all activities and generate reports.

Non-Functional Requirements:

- The system must be secure and protect donor and recipient data.
- It should provide a simple and user-friendly interface.
- It should support scalability for multiple cities.
- It must operate with high availability and low downtime.