Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date: 30 October 2025
Team ID: NM2025TMID01177
Project Name: To Supply Leftover Food and Poor
Maximum Marks: 4 Marks

Functional Requirements

Following are the **functional requirements** of the proposed solution for *"To Supply Leftover Food and Poor."*

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Donor Registration	Registration through Web Form
		Registration through Mobile App
		Registration through Google Account
FR-2	Food Collection Request	Donor can request a pickup for surplus food
		Volunteers are automatically assigned for collection
FR-3	Food Distribution	NGOs or volunteers can distribute collected food to nearby needy communities
FR-4	Tracking & Validation	System tracks pickup, transit, and delivery status in real time
FR-5	Notification & Alerts	Automatic notifications to volunteers and NGOs about pickup and delivery status
FR-6	Feedback & Reporting	Users can give feedback after successful delivery, and admins can view distribution reports

Non-Functional Requirements

Following are the **non-functional requirements** of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be simple and accessible for donors, NGOs, and volunteers.
NFR-2	Security	Only verified users can register or access donor and delivery information.
NFR-3	Reliability	The system must correctly update pickup and delivery statuses without data loss.
NFR-4	Performance	Requests and updates must be processed quickly without lag or downtime.
NFR-5	Availability	The system should be accessible 24/7 for continuous food collection and distribution.
NFR-6	Scalability	The platform should handle an increasing number of donors, volunteers, and NGOs as it expands.