Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	01 NOVEMBER 2025
Team ID	LTVIP2025TMID31059
Project Name	Prevent User Deletion if Assigned to an Incident
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Donor Food Submission	Donor can register leftover food details (item, qty, time, location).
FR-2	Volunteer Assignment	System assigns a volunteer based on location & availability.
FR-3	Food Pickup & Delivery	Volunteer picks up food from donor and delivers to NGO/Receiver.
FR-4	NGO / Receiver Confirmation	NGO confirms food received and logs distribution details.
FR-5	Admin Monitoring & Reports	Admin can view total donations, deliveries, and volunteer activity.
FR-6	Notifications & Alerts	Donor, Volunteer, and NGO receive SMS/Email/app notifications.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	UI should be simple for donors, volunteers, NGOs, and admin to use.
NFR-2	Security	Only registered users can post, pick up, or confirm food deliveries.
NFR-3	Reliability	System must prevent food request loss and always store pickup logs safely.
NFR-4	Performance	Food assignment & status updates should happen within 2 seconds.
NFR-5	Availability	System should be available 24/7 for food posting and volunteer pickup.
NFR-6	Scalability	System should support increasing donors, volunteers & NGOs without slowdown.