

Ideation Phase

Define the Problem Statements

Date	04 Nov 2025
Team ID	NM2025TMID02156
Project Name	To supply leftover food to poor
Marks	2 Marks

Problem Statement :

Food wastage has become a major social and environmental problem. Restaurants, wedding halls, corporate events, and households generate large quantities of leftover food that is often discarded due to the absence of proper collection and distribution mechanisms. Meanwhile, a significant section of the population struggles with hunger, malnutrition, and inability to afford nutritious meals. The challenge lies in creating an organized, safe, and time-efficient system that connects surplus food donors with beneficiaries. The lack of awareness, coordination, transportation, and food safety practices prevents effective redistribution of leftover food.

Problem Statement (Problem + Goal):

Despite sufficient food production, hunger still exists due to unequal distribution. Usable leftover food is disposed of instead of being redirected to those who need it. The problem is the absence of a structured platform that **food donors, volunteers, and beneficiaries**. The goal is to build a solution

that ensures **timely collection, quality check, and safe distribution of leftover food** to the poor.

Problem Statement (One-line version):

There is no effective system to collect, preserve, and distribute surplus food from various sources to poor and needy people, resulting in unnecessary food wastage and preventable hunger.

Solution Table: “Leftover Food Collection & Distribution System”

Problem	Cause / Gap Identified	Proposed Solution	Expected Outcome
Large quantity of leftover food is wasted in restaurants, hotels, events, and homes.	No system to track and collect surplus food.	Create a <i>food donation network</i> (mobile app/WhatsApp group/volunteer network) where donors can notify available food.	Reduction in food wastage.
Poor and homeless people do not have regular access to free meals.	Food does not reach people at the right place and time.	Identify hunger spots (slums, railway stations, orphanages) and assign volunteers for distribution.	Timely delivery of food to needy people.
Lack of coordination between donors and volunteers.	No organized communication channel.	Create a central coordinator / team leader who assigns pickup and delivery tasks to volunteers.	Faster and smoother coordination.
Risk of food spoilage before reaching beneficiaries.	No proper storage or quick transportation.	Use insulated food containers; set a maximum pickup/distribution time (2–3 hours).	Ensures food quality and hygiene.
Donors are unaware of safe food handling practices.	No clear guidelines.	Provide simple instructions (label food, pack properly, avoid spoiled food).	Improves safety and trust.
Fear of legal liability from donors.	Lack of understanding of food donation rules.	Provide awareness about <i>Good Samaritan Food Donation Laws</i> (where applicable).	More donors participate without fear.

