

Project Design Phase

Proposed solution

PDate	27 OCT 2025
Team ID	NM2025TMID00743
Project Name	To Supply Leftover Food To Poor
Maximum Mark	4 Marks

PROPOSED SOLUTION TEMPLATE:

Section	Proposed Solution
System Concept	A mobile application will connect hotels/restaurants with volunteers to collect leftover food and deliver it to poor people.
Key Objective	Reduce food wastage and reduce hunger by using extra food from functions, restaurants and hotels.
Target Users	Poor / Homeless people (beneficiaries), Food Donors (hotels / marriage halls), Volunteers (delivery)
Core Features	Donor uploads leftover food details → volunteer accepts task → system locks request → volunteer delivers food to poor location.
Data Monitoring	Application records food quantity, time, pickup person, delivery proof and maps delivery route.
Expected Output	Food wastage decreases + poor people get food on time + faster coordination between donor and volunteer.

Conclusion - Problem Fit Template:

Poor people suffer hunger daily while hotels waste food.

There is no proper link between food surplus and poor people.

A mobile application solves this real problem.

It connects donors and volunteers for fast food collection.

This reduces hunger and also prevents food wastage.

This solution fits the actual problem in real world.

SOLUTION DESCRIPTION

The solution is to develop a mobile application which will connect food donors (hotels, restaurants, marriage halls and party organizers) with volunteers and NGOs who can pick up leftover food and deliver it to poor people in nearby slum areas or to homeless individuals. Through this system, the donor will upload leftover food details such as food type, quantity, time prepared and location. The volunteers will receive instant notifications and the nearest volunteer will accept the pickup request. The app will lock that request to avoid duplicate pickup and then guide the volunteer with the shortest route to reach the donor location and then to the distribution location. The food will be delivered safely before expiry time to poor people. This solution decreases food wastage and supports needy people by giving them proper meals at the right time.

