Project Design Phase

Problem-Solution Fit Template

Date	4 Nov 2025
Team ID	NM2025TMID02156
Project Name	To supply leftover food to poor
Marks	4Marks

✅ Problem–Solution Fit Template

1. Problem

- What problem are you solving?
  - e.g., Restaurants, weddings, and households often have leftover food that goes to waste.
  - Poor and homeless people struggle to get nutritious meals.

2. Target Beneficiaries

- Who is facing this problem?
  - Homeless individuals
  - Low-income communities
  - NGOs struggling with food supply
  - Orphanages / Old-age homes

3. Existing Alternatives

- How are they currently solving the problem?
    - Some NGOs collect food manually
    - People donate individually
    - No organized system → food still gets wasted

4. Root Causes

- Why does this problem exist?
    - Lack of coordination between food donors and receivers
    - No quick transport or storage system
    - Fear of legal issues in donating cooked food

5. Proposed Solution / Product

- Your idea to solve this problem
    - Create a **Leftover Food Donation System/App** connecting:
        - Donors → Restaurants, wedding halls, households
        - Receivers → NGOs, shelters, poor sections
    - Volunteers will collect food and distribute it safely.

6. Unique Value Proposition (UVP)

- What makes your solution different?
    - Fast pickup system (like Swiggy/Zomato model but for donation)
    - Hygienic food handling with guidelines and tracking
    - Real-time map showing food availability

7. Key Features

Feature	Description
Real-time notifications	Donors can raise a pickup request immediately.
Volunteer network	Volunteers collect and deliver food.
Hygiene tracking	Photo upload + quality check.
Delivery route optimization	Quick delivery to avoid spoilage.

8. Expected Results

- Reduce food waste by ___ %
- Provide daily meals to ___ people
- Increased awareness about food sustainability

9. Impact Measurement (KPIs)

KPI	How to Measure
Total food donated	Weight/quantity logged in app
People served per day	Distribution report
Food wastage reduced	Comparison before and after implementation

10. Risks & Mitigation

Risk	Mitigation Strategy
Food spoilage	Quick pickup + insulated containers
Legal issues	Use liability waiver, follow food safety guidelines

11. Revenue / Sustainability Model

- NGO partnerships
- CSR (Corporate Social Responsibility) funding
- Subscription plans for restaurants (optional)

✅ Final One-Sentence Problem–Solution Fit Statement:

"Excess edible food goes to waste because there is no quick coordination system. Our solution creates a platform that connects food donors with volunteers and poor communities to ensure safe and timely food distribution."