NAAN MUDHALVAN PROJECT REPORT

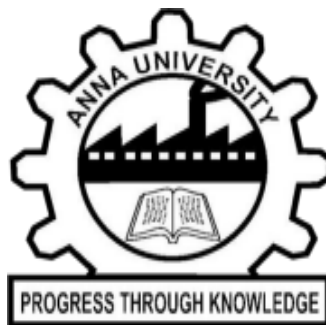## SB8067- SALESFORCE DEVELOPER

"APPLY LEFTOVER FOOD TO POOR"

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NOV-DEC 2025

1. Ideation Phase — Apply Leftover Food to Poor

1.1 Introduction

The Ideation Phase establishes a digital platform to collect surplus/leftover food from restaurants, events, and households and deliver it to underprivileged communities through registered NGOs and volunteers. The goal is to reduce food waste while addressing hunger in urban and semi-urban areas.

1.2 Problem Identification

- Large quantities of edible leftover food are discarded daily from events, hotels, and canteens.

- NGOs and volunteers lack a coordinated, timely system to collect and distribute surplus food.

- Donors need a simple process to notify availability and arrange pickup.

- Food safety and timely delivery are critical to avoid health risks.

1.3 Brainstorming Solutions

- Build a web platform for donors (restaurants/events/individuals), NGOs, and volunteers to coordinate pickups.

- Integrate scheduling, geolocation for pickups, short-term inventory tracking, and notifications.

- Add food-safety checklists and time-window constraints; provide a quick verification flow for receiving organizations.

- Provide analytics to understand hotspots for surplus generation and demand.

1.4 Idea Selection Criteria

- Feasibility with open-source web tech.

- Usability for non-technical NGO staff and volunteers.

- Speed of implementation and clarity of workflow to protect food safety.

1.5 Concept Overview

Main user roles and modules:

- Donor Module: Post available food, specify quantity, quality notes, preferred pickup times, and contact.

- NGO/Volunteer Module: Browse available donations, accept, schedule pickup, and update distribution status.

- Admin Module: Approve NGO registrations, monitor operations, and manage safety guidelines.

- Pickup Scheduler & Route Helper: Suggest optimal volunteer assignments and routes.

- Notification Module: Automated SMS/email/push alerts for pickups and confirmations.

- Reporting Module: Track waste reduction metrics and distribution stats.

1.6 Objectives

1. Reduce edible food wastage by connecting donors with NGOs/volunteers.

2. Provide a fast, safe collection and distribution pipeline.

3. Offer transparency and traceability for each donation (from donor to beneficiary).

4. Enable NGOs to manage volunteers and reporting.

1.7 Expected Outcomes

- Streamlined donor onboarding and donation posting.

- Faster pickup turnaround reducing spoilage risk.

- Measurable reduction in food waste in participating zones.