NAAN MUDHALVAN PROJECT REPORT

SB8067- SALESFORCE DEVELOPER

"APPLY LEFTOVER FOOD TO POOR"

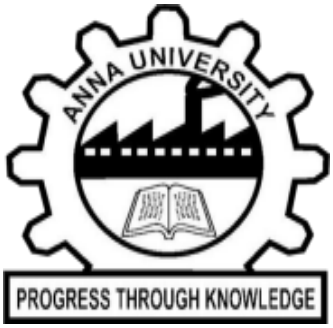
Sumbitted By:

Rajaram S(912022104040)

Vijayanguru T(912022104060)

Karankumar J(912022104301)

Bhuvaneshwaran V(912022104701)



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

SIVAGANGAI

ANNA UNIVERSITY: CHENNAI - 600 025

NOV-DEC 2025

2. Project Planning Phase — Apply Leftover Food to Poor

2.1 Introduction

- This phase defines scope, deliverables, resources, timeline, and risk management for the NGO-focused food-recovery platform.

2.2 Project Scope

- A web-based portal connecting donors, NGOs, and volunteers for efficient collection and redistribution of surplus food.
- Includes user management, scheduling, routing, safety checks, and analytics.

2.3 Objectives (repeated concisely)

- Automate donation posting and pickup scheduling.
- Ensure quick matching between donations and NGOs/volunteers.
- Provide reporting for NGOs and administrators.

2.4 Deliverables

- Fully functional web platform (role-based dashboards).
- Donor onboarding flow and donation posting UI.
- Volunteer scheduling and route optimization helper.
- Food-safety checklist feature and quick verification.
- Reporting dashboards and exportable reports.
- Testing reports and final documentation.

2.5 Team Roles

- Rajaram S: Project Lead — coordinates stakeholders and documentation.
- Vijayanguru T: Backend Developer — API, database, scheduling logic.
- Karankumar J : Frontend Developer — responsive dashboards, accessibility.
- Bhuvaneshwaran V: Quality Analyst — functional, security, and performance testing.

2.6 Timeline (10 weeks)

- Week 1–2: Requirement gathering with partner NGOs.
- Week 3–4: System design and UI prototypes.
- Week 5–7: Core development (donor posting, NGO workflows, scheduling).
- Week 8–9: Integration, safety validation, and testing.
- Week 10: Deployment and stakeholder training with sample NGOs.

2.7 Resources

Hardware: Standard developer machines and mobile devices for testing. Software: Node.js/Django backend option, React
frontend, MySQL/Postgres DB. Tools: GitHub, Postman, JMeter, mapping API (e.g., Google Maps or Open-source
alternative).

2.8 Risk Management

- Food safety risk — implement mandatory donor safety checklist and time-window expiry for postings.
- Scheduling delays — use real-time notifications and escalation rules.
- Data privacy — store minimal donor contact data and secure all communications via HTTPS.