

## Project Description – Feeding Campaigns Management System

The Feeding Campaigns Management System is a full-stack platform designed for NGOs to manage feeding programs, donation workflows, beneficiary families, and meal distribution operations. It simulates the core activities performed by real humanitarian organizations, allowing administrators and branch managers to coordinate campaigns, track donations, and monitor how meals reach vulnerable families.

### System Goals:

1. Digitize NGO workflow.
2. Provide transparency for campaigns and branches.
3. Track donations (monetary + food items) with automated inventory.
4. Manage beneficiary families and vulnerability scoring.
5. Record meal distribution batches.
6. Provide real-time analytics dashboard.

### Core Features:

- Campaign Management
- Donation Handling (money + food items)
- Beneficiary Family Management
- Distribution Workflow
- Inventory Tracking
- Authentication & Roles

### Technology Stack:

Backend: ASP.NET Core 8 Web API, EF Core, SQL Server, JWT Auth

Frontend: React 18, Vite, TailwindCSS, Axios

### Outcome:

A realistic NGO management system suitable for academic submission, portfolios, and production-style learning.