

# Technology Stack & Architecture

Date	19 JUNE 2025
Team ID	LTVIP2025TMID31579
Project Name	To Supply Leftover Food to Poor
Maximum Marks	

## Technical Architecture Overview

This architecture facilitates the flow of food donations from submission to delivery using a scalable, modular, cloud-based platform.

## Technical Stack Components

Layer	Technology / Tool	Purpose
Platform Core	Salesforce / Firebase / AWS	Data model, hosting, APIs, and authentication
Backend Logic	Apex (Salesforce) / Node.js / Python	Custom business logic, triggers, scheduling
Database	PostgreSQL / MongoDB	Structured data storage (Donors, Food Items, NGOs)
User Interface	Lightning Web Components / React / Flutter	Mobile & web-friendly portal
Automation Tools	Flow Builder / CRON Jobs / Cloud Functions	Food status changes, notifications, alerts
Integration APIs	Twilio / Google Maps / Firebase Messaging	SMS notifications, geolocation, and real-time alerts
Analytics Tools	Tableau / Google Data Studio / Power BI	Visual reports and impact measurement

## Architecture Diagram:

## TECHNOLOGY STACK & ARCHITECTURE

