# Food Bank Digital Solution: MVP Plan

## Week 1: Website and Initial Setup

### Core Infrastructure

* Set up Website Infrastructure – Establish hosting, domain, and initial CMS setup.
* Admin Dashboard – Basic admin interface for overall system management.
* Volunteer Dashboard – Dashboard for volunteers to access personal information and shifts.
* Registration Page – Volunteer registration with skills and availability.

### Optional Features

* Personal Schedule View – Show volunteer's scheduled shifts.
* Volunteer-admin Messaging – Contact form for volunteers to reach admin.

## Week 2: Volunteer and Inventory Functionalities

### Core Volunteer Management

* Shift Scheduling – Admins create and publish shifts with role requirements.
* View Upcoming Shifts – Volunteers view and manage their availability.

### Core Food Inventory Management

* Log Incoming Donations – Staff input details of donations into the inventory.
* Monitor Inventory Levels – Dashboard for current inventory tracking.

### Optional Features

* Shift Editing and Deletion – Admins can edit or delete shifts.
* Manual Item Management – Add/edit/remove food items in inventory.

## Week 3: Enhanced User Interaction and Automation

### Core Volunteer Interaction

* Automated Reminders – Notifications about upcoming shifts.
* Feedback Form – Volunteers provide feedback via dashboard.

### Core Inventory Automation

* Generate Expiration Alerts – Daily alerts for near-expiry items.
* Barcode Scanning – Automate inventory updates with barcodes.

### Optional Features

* Visual Inventory Reports – Graphs/charts for stock and expiry dates.
* Exportable Inventory Reports – Export data to CSV/PDF.

## Week 4: Data Insights and Advanced Reporting

### Core Reporting and Insights

* Volunteer Hours Tracking – Log/display volunteer hours.
* Inventory and Donation Reports – Manage changes and restock planning.
* Donor Item Preference Lists – Highlight needed items for donors.
* Donor Impact Reports – Show how donations were used.

### Optional Features

* Admin Announcements – Broadcast messages to all volunteers.
* Volunteer Dashboard Announcements – Display updates on dashboard.

This MVP plan limits the core workload to 3–4 key features per week while offering optional extensions to enhance the system if time allows.