

# **Thiruvalluvar College Of Engineering And Technology**

Arunachala city,ponnur hills,vandavasi-604 505

**PROJECT TITLE:** To supply leftover food and poor

**Presented BY**

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# **To supply leftover food and poor**

## **OVERVIEW**

Reducing food waste can also be beneficial for businesses, farmers, and organizations. For example, businesses can achieve positive returns from reducing food loss and waste. Farmers, businesses, and organizations may also receive tax incentives for donating unsold food.

## **OBJECTIVES**

Streamline leftover food distribution to those in need.

### ***Components:***

1. Food Donor Management
2. Recipient Organization Management
3. Food Pick-up and Delivery Management
4. Impact Tracking and Reporting

## **Salesforce Features:**

1. Custom Objects: Food Donations, Recipient Organizations, Delivery Routes
2. Accounts: Food Donors, Recipient Organizations
3. Contacts: Donor/Recipient Representatives
4. Opportunities: Food Pick-ups and Deliveries
5. Reports and Dashboards: Tracking donations, deliveries, and impact.

## **Workflow:**

1. Food donors register and create donation requests.
2. Recipient organizations register and specify needs.
3. Admin matches donations with recipients.
4. Volunteers schedule pick-ups and deliveries.
5. Track deliveries, recipient feedback, and impact.

## **Benefits:**

- Efficient food distribution

- Real-time tracking and reporting
- Scalable solution
- Enhanced collaboration

### **User Roles:**

1. Food Donor
2. Recipient Organization
3. Administrator
4. Volunteer

### **Key Pages:**

1. Food Donation Request Form
2. Recipient Organization Registration
3. Delivery Schedule
4. Impact Dashboard

## **Technical Requirements:**

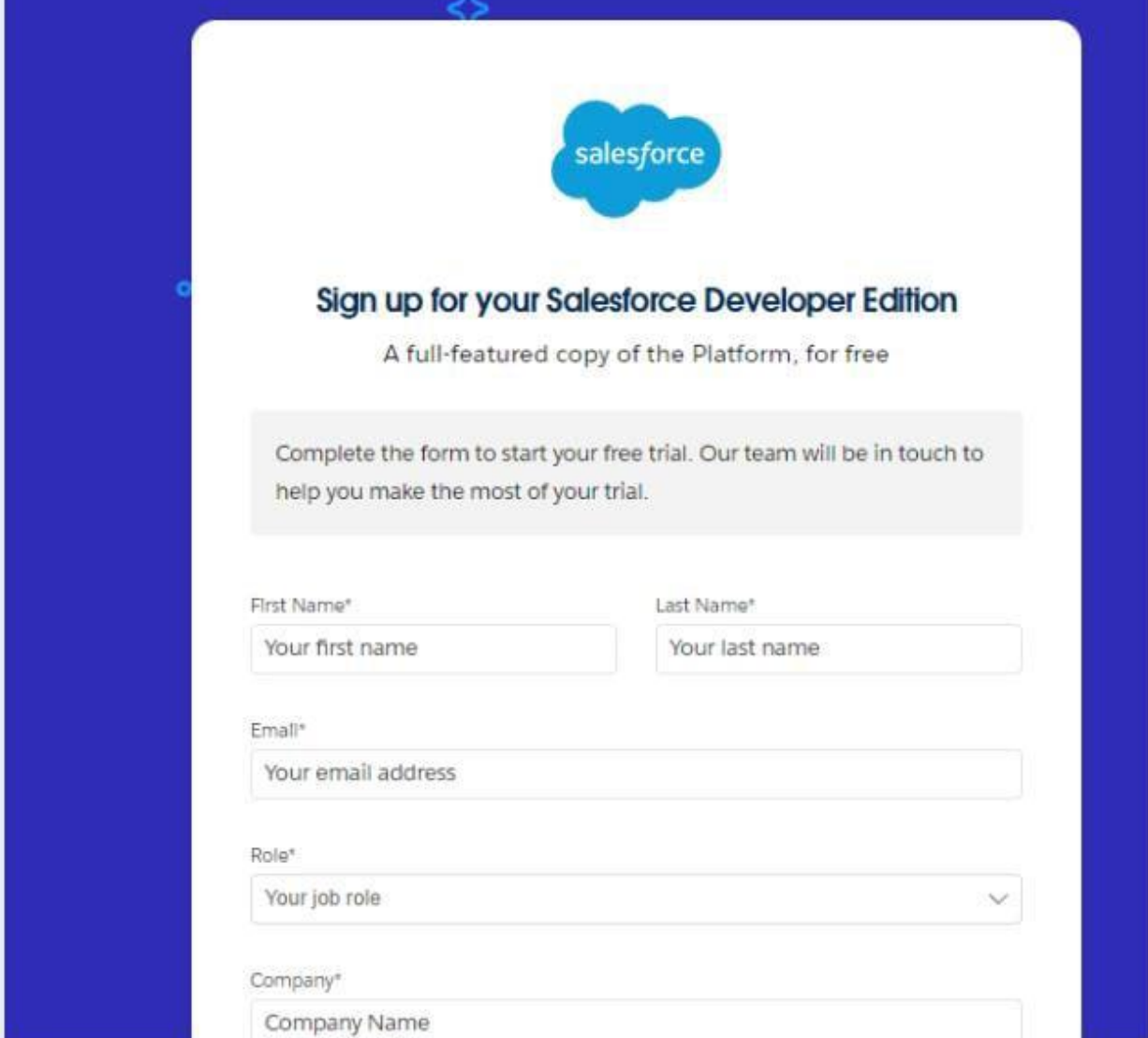
1. Salesforce Non-Profit Success Pack (NPSP)
2. Custom development for food donation and delivery management
3. Integration with mapping services (e.g., Google Maps)

## **Implementation Plan:**


1. Requirements gathering
2. Configuration and customization
3. Testing and training
4. Launch and ongoing support

## Sales to solution design

**creating developer org in Salesforce :** enter details for sign up in Salesforce .



The image shows a sign-up form for Salesforce Developer Edition. The form is set against a blue background with a white central panel. At the top of the white panel is the Salesforce logo. Below the logo is the heading "Sign up for your Salesforce Developer Edition" followed by the subtext "A full-featured copy of the Platform, for free". A grey box contains the instruction: "Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial." The form fields are: "First Name\*" (text input with placeholder "Your first name"), "Last Name\*" (text input with placeholder "Your last name"), "Email\*" (text input with placeholder "Your email address"), "Role\*" (dropdown menu with placeholder "Your job role" and a downward arrow), and "Company\*" (text input with placeholder "Company Name").



### Sign up for your Salesforce Developer Edition

A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name\*

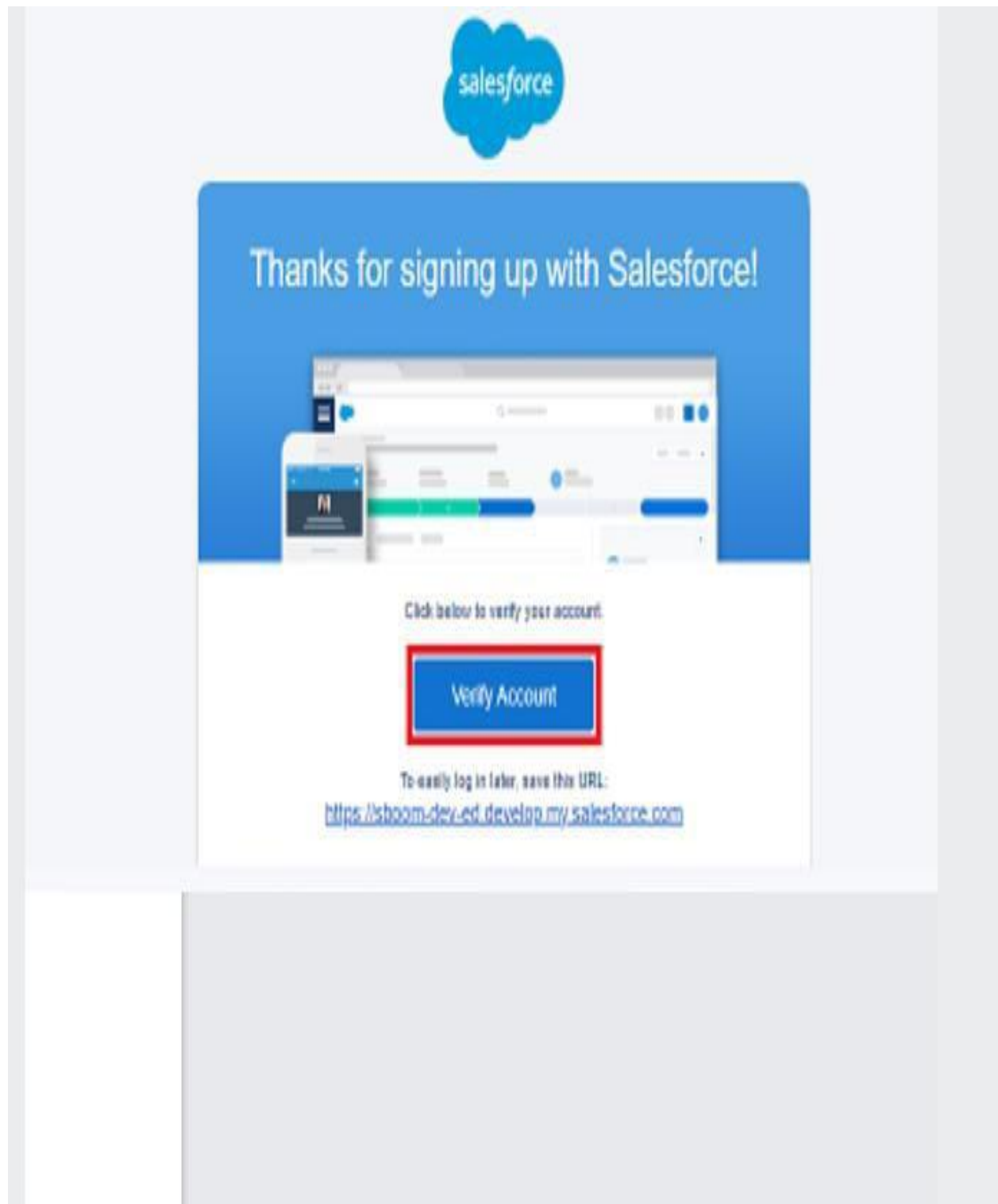
Last Name\*

Email\*

Role\*

Company\*

**Account activation :** Go to the inbox of the email that you used while signing up.click on the verify account to activate your account





you will get the set up page after verify your account in Salesforce sign in

**Lightning Experience**  
irtsandsciencecol-dev-ed.develop.lightning.force.com

Search Setup

**Setup** Home Object Manager

Quick Find

**Setup Home**

- Service Setup Assistant
- Multi-Factor Authentication Assistant
- Release Updates
- Lightning Experience Transition Assistant
- Salesforce Mobile App
- Lightning Usage
- Optimizer

**ADMINISTRATION**

- Users
- Data
- Email

**PLATFORM TOOLS**

- Subscription Management
- Apps
- Feature Settings
- Stack
- MuleSoft
- Einstein
- Objects and Fields
- Events
- Process Automation
- User Interface
- Custom Code
- Development
- Performance
- Environments
- User Engagement
- Integrations
- Notification Builder
- Offline

**SETTINGS**

- Company Settings
- Data Classification
- Privacy Center
- Identity
- Security

**SETUP Home**

**Get Started with Einstein Bots**  
Launch an AI-powered bot to automate your digital conversations.  
[Get Started](#)

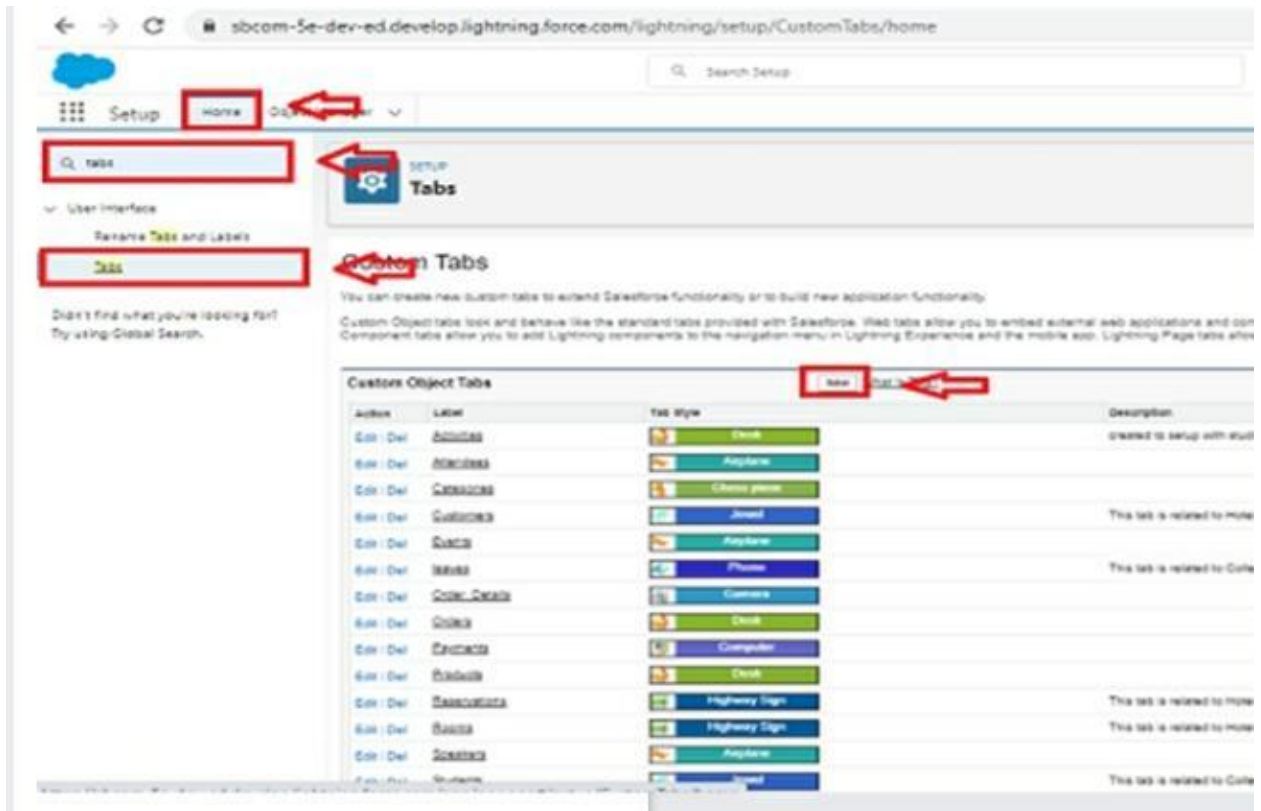
**Mobile Publisher**  
Use the Mobile Publisher to create your own branded mobile app.  
[Learn More](#)

**Real-time Collaborative Docs**  
Transform productivity with collaborative docs, spreadsheets, and slides inside Salesforce.  
[Get Started](#)

**Most Recently Used**  
10 items

NAME	TYPE	OBJECT
Vehicle No	Custom Field Definition	Vehicle
Vehicle Includes	Custom Field Definition	Vehicle
Vehicle Name	Custom Field Definition	Vehicle
Vehicle Type	Custom Field Definition	Vehicle
Color	Custom Field Definition	Vehicle
Chassis No	Custom Field Definition	Vehicle
4WHEELERS	Custom Field Definition	Vehicle
2WHEELERS	Custom Field Definition	Vehicle
customer mobile no	Custom Field Definition	Vehicle
customer name	Custom Field Definition	Vehicle

## Creating A Custom tab

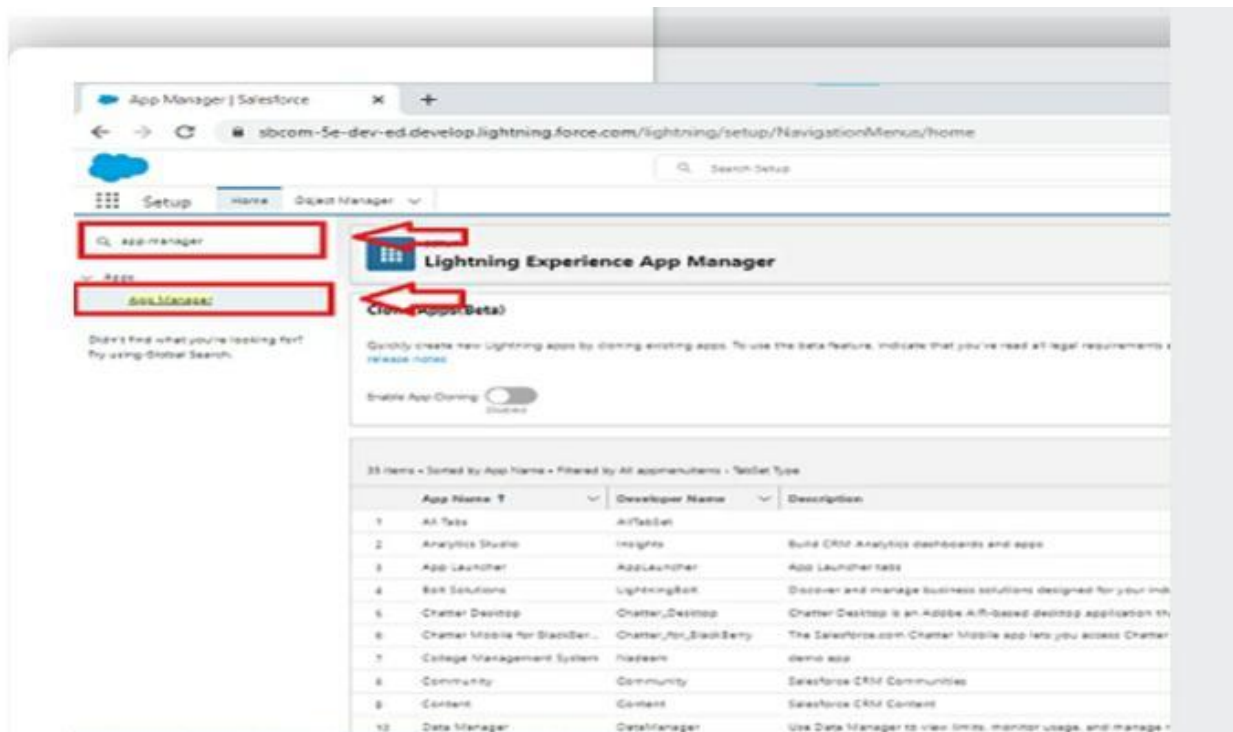


## Creating Remaining Tabs

Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer.

## Create a Lightning App

To create a lightning app page:



## Creation of Relationship fields in objects

Creation of Lookup Relationship Field on Volunteer Object :

**Step 2. Choose the related object**







Select the other object to which this object is related.

Related To

## Create Flow to create a record in Venue object

**New Flow**

Core All + Templates

 <b>Screen Flow</b> Guides users through a business process that's launched from Lightning pages, Experience Cloud sites, quick actions, and ...	 <b>Record-Triggered Flow</b> Launches when a record is created, updated, or deleted. This autolaunched flow runs in the background.
 <b>Schedule-Triggered Flow</b> Launches at a specified time and frequency for each record in a batch. This autolaunched flow runs in the background.	 <b>Platform Event—Triggered Flow</b> Launches when a platform event message is received. This autolaunched flow runs in the background.
 <b>Autolaunched Flow (No Trigger)</b> Launches when invoked by Apex, processes, REST API, and more. This autolaunched flow runs in the background.	 <b>Record-Triggered Orchestration</b> Launches when a record is created or updated. An orchestration lets you create a multi-step, multi-user process.

**Create a Record of This Object**

\* Object

**Set Field Values for the Venue**

Field <input type="text" value="Contact_Email__c"/>	← Value <input type="text" value="Aa Contact_Email &gt; Value X"/>
Field <input type="text" value="Contact_Phone__c"/>	← Value <input type="text" value="Aa Contact_Phone &gt; Value X"/>
Field <input type="text" value="Name"/>	← Value <input type="text" value="Aa Venue_Name X"/>
Field <input type="text" value="Venue_Location__c"/>	← Value <input type="text" value="Aa location X"/>

## Create A Trigger

The image shows a screenshot of the Salesforce IDE interface. At the top, a 'New' menu is open, displaying options: 'Open' (CTRL+O), 'Open Resource' (CTRL+SHIFT+O), and 'Open Lightning Resources' (CTRL+SHIFT+A). To the right of the menu, a list of file types is visible, including 'Apex Class', 'Apex Trigger', 'Visualforce Page', and 'Visualforce Component'. Below the menu, a dialog box titled 'New Apex Trigger' is displayed. The dialog has a close button (X) in the top right corner. It contains two input fields: 'Name:' with a text box, and 'sObject:' with a dropdown menu. At the bottom right of the dialog is a 'Submit' button.

Menu Item	Shortcut
Open	CTRL+O
Open Resource	CTRL+SHIFT+O
Open Lightning Resources	CTRL+SHIFT+A

**New Apex Trigger**

Name:

sObject:

Submit

## Creation of user

**General Information**

First Name	Iksha Foundation	Role	<None Specified>
Last Name	Iksha_Foundation	User License	Salesforce Platform
Alias	iksh	Profile	NGOs Profile
Email	bhargavipaila1023@gmail.c	Active	<input checked="" type="checkbox"/>
Username	ikshafoundation@sb.com	Marketing User	<input type="checkbox"/>
Nickname	User1711437164226559933	Offline User	<input type="checkbox"/>
Title		Knowledge User	<input type="checkbox"/>
Company		Flow User	<input type="checkbox"/>
Department		Service Cloud User	<input type="checkbox"/>
Division		Site.com Contributor User	<input type="checkbox"/>

## Creation of home page

**Dashboard**  
**Task Execution Details**  
As of 28-Mar-2024, 9:55 am Viewing as Paila Bhargavi

Open Refresh Subscribe

**venue and Drop Off point**

Venue Name ↑	Drop-Off poi...	Dis...
La Royale Banquet Hall.	Shapur	5,116
La Royale Banquet Hall.	Jeedimetla	6,903
Paradise Garden Function Hall	Suraram Village	28,23
Ujwala Grand	-	-

View Report (venue and Drop Off point)

**Volunteer Task**

View Report (Volunteer Task)

Flow Component: Venue Form

This is a placeholder. Rows don't run in the canvas.

Add Component(s) Here

Add Component(s) Here

## **Conclusion**

By leveraging the Salesforce platform, the project successfully established a streamlined and transparent system for managing surplus food donations. Through efficient coordination with volunteers and timely delivery to beneficiaries, the project effectively addressed food insecurity while maximizing the utilization of available resources.