


# Food Secure - PRD

## Projects Specifics

Project Name	Food Secure
Target Release	1.0
Document Status	Draft
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WireFrames	<a href="#">Wireframes</a>
System Design	<a href="#">System Design</a>
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Google Doc	 Food Secure PRD

## Background and Strategic fit

**Nearly 40 per cent of the food produced in India is wasted every year** due to fragmented food systems and inefficient supply chains — a figure estimated by the Food and Agricultural Organisation (FAO) [here](#).

There is a need for hands to be shaken between Restaurants and NGOs and Individuals.

So to solve this, we will provide a platform to restaurants as well as the NGOs where a restaurant manager can notify the nearby NGOs about the excess food, and NGOs can respond accordingly about the collection of food.

Individuals can also sign up on the platform to donate excess food left at any event like FoodPark, Weddings, Ceremonies etc.

### Supporting Research

- [India has a food wastage problem. Here's how individuals can make a difference](#)
- [Food Waste in India](#)
- [India Wasted Over 68 Million Tons Of Food In 2019: UN Report](#)

# Goals

- Initially our goal is to collaborate with 25 restaurants and 5 NGOS, where 1 NGO will be connected with 5 restaurants and we're charging them per meal.
- We are targeting to get around 8 KG of rice and 4 KG of pulses, cereals and curries per restaurant per day on a cumulative basis which converts to approximately 25 meals per restaurant.
- Restaurant will charge the NGOs with per KG of food at a minimal rate which is around 12 per KG which generates a revenue for the restaurant of about 4500 rs per month on waste food.
- Commission would be taken from the NGOs for getting them the food at the minimal prices of around 5% which turns out to be 250 rs per restaurant

# Features

- Landing Page
- Signup / Login page
- Feature for restaurants/Individuals to donate food and give relevant information about it
- Dashboard for NGOs to show the insights about the impact they have made
- A campaign can be created by NGOs to support an initiative, where individual donors can also come and donate the food
- Email Notifications to NGOs for collecting the food
- Email Notifications to Donors for collecting the food
- Suggestion
- Join with us

# Functional Requirement

Phase 1 - Must Have Phase 2 - Will have if Phase 1 gets completed in time Phase 3 - Refers to future scope of the platform	P[i] - Priority i i = 1 - 10
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#	Function title	Function description	Phase 1	Phase 2	Phase 3
1	Landing Page	On Landing Page, we will showcase our <a href="#">product features</a> , how to use our products, with testimonials section,	All functional descriptions.		

		contact us and product feature description.			
2	User signup and login	Show Login/Signup to the user when he/she lands on the site. The restaurant and NGOS will be able to use the platform after logging in.	Sign in via Google Sign in via Email	Sign in via Phone number	
3	Feature for restaurants/individuals to donate food and give relevant information about it.	Restaurants/Individuals are able to donate food.	NGOS can pick up food Restaurants/Individuals. Email notifications to NGOS for pick up food.	Text message notifications for pickup food	Auto generated call from restaurants to NGOS for food pickup
5	Dashboard for NGOs to show the insights about the impact they have made	NGOS can track Food collection and food distribution	NGOS can check stats for collected food and distributed food. <a href="#">P[5]</a>	NGOS can track food which will be going to be delivered. <a href="#">P[6]</a>	
7	Email Notifications to NGOs for collecting the food	When donors submit the information of food like how much food there is and any other information, email will go to the respective nearby NGOs for collecting food, they can confirm the collection of food to the donor.	Notify NGOS once donors submit requests to donate food.		
8	Email Notifications to Donors for	When NGOs confirm the collection of food it will be reflected in the platform, as well as email notification will be sent to	Notify donors once NGOS accepts submit requests to pick up food.		

	collecting the food.	the Donor			
10	Suggestions	NGOs can make suggestions on this page	This page is accessible for authenticated and unauthenticated users, so that they can give their suggestions		

## Questions - both

Questions	Outcome
Login signup via third-party provider?	Not required for the initial version May be added later if it supports any technical advantage.
Are we supporting mobile devices?	Yes the platform is responsive for the mobile browsers, but currently we do not have a separate mobile app.
Is it necessary to donate after signing up in the platform	There is no such rule, it all depends on excess food on a particular day

## Assumptions

- NGOS have the infrastructure to actually deliver the food or are able to build one.
- They have basic technical skills, i.e. they can use a website with ease, know about drag and drop and resizing and uploading content from a computer.

## Future Business Scope

- As more donors come into the platform, it will help to create network effects and therefore more NGOs and Restaurants will sign up.
- A subscription fee will be charged from the NGOs for using the platform.
- New Features to monetize in different ways can be implemented like advertisement in the platform
- We're going to sell waste food to companies according to market price. If we get a good amount of waste food then we may build our own plant which converts waste food into biogas.

- More detailed and granular level of Itemization of food can be done in future to bring more transparency into the platform.

## **What we're not doing**

- We are not delivering food to the NGOS. NGOS will take care of it.
- NGOS will not connect with every restaurant. Only connect with assigned restaurants which are in 5-10 KM range