



Puthran & Associates Prior Art Search Request Form

* - Mandatory Fields

Title Of The Invention *	"SERVE SURPLUS" - Fighting Hunger Together
Reference Number *	
Country Coverage * (International/ Regional)	International
Abstract*	<p>The "Serve Surplus" project is an idea for the imperative issues in the cities of food waste and hunger. The idea is built on the use of new technology and community involvement. This project proposes a web portal that takes the process of linking food surpluses from donors to NGOs and people in their proximity. Having the Flutter and Node.js fully integrated in the application, the donation process is simplified, users are connected through means of communication, and efficient delivery monitoring is ensured. The 10-week development plan of the project aims to bring together college resources and minimal financial support for the manufacturing of a valuable product that will solve societal problems of surplus food and malnutrition as well as encouraging sustainable consumption habits and community participation.</p>

Scope of invention*

Addressing Food Insecurity: The project intends to eliminate food insecurity by providing a link between the surplus food providers and the hungry through a centralized platform. This strategy can arguably make hunger a thing of the past.

Promoting Sustainability: Through the diversion of surplus food from landfills and the offsetting of food insecurity, the project supports sustainable food management that aims at limiting the environmental impact.

Empowering Communities: "Serve Surplus" move communities toward autonomy by giving them an avenue to fight food insecurity within their communities. It facilitates teamwork among individuals, businesses, NGOs, and governmental departments to assist those who are in need.

Fostering Innovation: In addition to being a technology-oriented solution, the project also improves the food redistribution process and social welfare programs. It always seeks to find new technologies and methods to improve efficiency and scalability.

Raising Awareness: The project will raise awareness on food loss and hunger through educational initiatives that are integrated into the platform. Through its educational efforts and the establishment of community, it facilitates sustainability of the food and social accountability.

Use Of Invention *

1. **Reduces Food Waste:** The project aims at the food sources which are otherwise going to be wasted and connects these surplus food donors to the people who are in need, which helps to create a system in which there is less food waste contributing to a sustainable food system.
2. **Addresses Food Insecurity:** While the platform ensures the surplus food is not given to waste by normalizing the truth that everyone can have a nutritious meal, thereby relieving hunger for individuals and families who are unable to afford.
3. **Efficient Redistribution:** "Serve Surplus" simplifies food donation and distribution procedures hence making it easy for donors, NGOs and recipients to synchronize their efforts.
4. **Promotes Sustainability:** Through developing a system whereby surplus food is donated instead of thrown away and replaces its current dependence on landfills, this project will show its green credentials.
5. **Community Engagement:** The blog creates avenues for the community to get involved by joining forces between the business, NGOs and the individuals, making the people feel part of trying to solve food insecurity.
6. **Educational Opportunities:** Through its "Serve Surplus" Program, "Serve Surplus" will create education opportunities by increasing understanding of food waste and hunger, and by encouraging people to tackle the problems themselves

Functional Structure*
(Kindly explain the novelty point of the invention in detail)

- **“Serve Surplus”** is an application which aims at reducing food wastage and minimizing hunger.
- If a person has excess food , they can upload the details of the food in the app.
- The NGO’s and those people in need of food in the range of 20 kms are notified. The distance is calculated using Haversine formula.
- If the receiver wants to request food, they can request it in this app. If the donor wants to deliver it , they can donate else the receiver can go and collect the food.
- Seamless chatting facility is implemented in this application, to facilitate communication between donor and receivers.
- Delivery tracking is also available.
- Awareness will be created through the application to reduce food wastage and eliminate hunger.

Advantage*

This food donation application aims to have a strong impact on society. Firstly, it addresses the serious issue of food wastage by connecting food donors with NGO’s and those in need. Secondly, this application plays a vital role in alleviating hunger by ensuring that food reaches people facing food insecurity. Additionally, this application supports NGOs’ by providing them with a reliable supply of food to distribute to their beneficiaries. This support enables these organizations to fulfill their missions more effectively and make a greater impact on the communities they serve.

**Key features/elements
to be focused during
the course of search***

1. **User Experience (UX):** First of all, go for the resources that offer a convenient UI and simple navigation for users to make their experience enjoyable.
2. **Functionality:** Target platforms that have an option of basic functions such as donation site of food, search options, communicative functions, and logistics management.
3. **Scalability:** Get a solution that can host just the right number of users and data without affecting its performance.
4. **Security and Privacy:** Security is a critical aspect and hence the platform should design strong security measures to guard users' data and keep their privacy intact.
5. **Compatibility:** Decide on the platform that works well on a variety of devices and browsers to make it easy for everyone to access the product from different devices.
6. **Reliability:** The platform that you choose should be the one with the highest uptime and reliability to reduce reductions of commercial activity as much as possible for the users.
7. **Feedback and Support:** Look for platforms that have responsive customer support services, such as live chat or phone support, and systems for users to share feedback.
8. **Data Analytics:** Search for sites having an integral analytics platform which traces usage metrics in order to know audience attributes and behavior.
9. **Community Engagement:** Select a service such as local businesses and charity organizations that is

	<p>community-based and promotes interaction and cooperation among its members.</p> <p>10.Accessibility: Make sure the platform is usable by people with different needs and provides adaptive functions.</p>
Known Prior art if any	<p>Food Rescue: The software used by the organization called Food Rescue facilitates the take-up and provision of surplus food from restaurants, grocery stores, and other food business entities to areas around them they are needed by charities and the food banks. Many times these networks depend on volunteer drivers who can transport the donations to individuals who need them.</p> <p>MealConnect: MealConnect is Foodbank technology, which is owned by Feeding America, the greatest food-relief non-profit group in the United States. This creates a link between the organizations or individuals providing food surplus with the local soup kitchens and food banks for a successful and prompt delivery of the food resources to those in need.</p> <p>OLIO: OLIO is an app where meals and extras can be distributed to nearby villages or businesses by those people who will otherwise throw them away. One of the services users can offer is to post listings of food items that they have made available, and nearby users can browse through and fetch or take these items free of charge.</p> <p>Too Good To Go: Too Good To Go, an app which facilitates the sale of surplus food, vegetables, baked</p>

goods, cafe and restaurant items for a steep discount before they are discarded. This platform is one of the ways as it eliminates food wastage. It links up consumers to surplus food from the local corporate.

ShareTheMeal: Share The Meal is a cell app created by the United Nations World Food Programme (WFP) which provides users with the opportunity to donate money in order to provide meals to children in need, especially around the globe. A user can give even a small amount of money which is used to prepare meals for designated beneficiaries.



Major Assignee(s) to be searched (if any)	
Inventor(s) to be searched (if any)	
Critical Filing and/or Publication Date(s)	
Deadline (Due) *	
Remarks/Additional information (if any)	

