Design and Implementation of Website Named as "Bhoojana Vibhajana" Food-Redistribution Application

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Abstract: Across the India 68 million tons (50 kg per person) of edible food is wasted annually by restaurants, grocery stores, event venues, and households. This wastage contribution to environmental problems and is ethically troubling, especially when millions go hungry.

Our innovative Bhoojana Vibhajana Website facilitates direct connections between generous donors and those who in need. By seamlessly channeling surplus food to those in need, we strive to create a more compassionate and inclusive society, reducing hunger.

1. INTRODUCTION

In India, we have a big problem with food. Every year, a huge amount—68 million tons—of good food gets thrown away. This hurts our environment and is really sad, especially when so many people don't have enough to eat.

That's where our Bhoojana Vibhajana Website comes in. We want to make things better by connecting people who have extra food with those who need it. Our website is easy to use, and we have a special map to help find where the food is and where it's needed most. Together, let's make sure no food goes to waste and everyone has enough to eat.

2. OBJECTIVES OF THE PAPER

The primary objective of this paper is to the features and significance of "Bhoojana Vibhajana" as a food distribution Website. The paper seeks to:
1. To reduce food waste by efficiently connecting surplus food provider that can distribute it to those in need.
2. To improve access to nutritious food for individuals and charities facing food insecurity through a user-friendly platform.
3. To ensure that the mapping system has an intuitive and user-friendly interface.
4. To implement a robust geolocation system that accurately pinpoints the location of food donors, recipients on the map.

3. LITERATURE SURVEY

In article [1]the author presented an methodology Food sharing and redistribution is a common feature of societies (Jaeggi & Gurven, 2013a),but the way people share and redistribute food is changing.

In article [2]But many people are still reluctant to visit foodbanks, with previous research indicating that the experience is often coupled with negative emotions such as guilt, shame, embarrassment or a feeling of indebtedness (Garthwaite, 2016a, 2016b). The growing food crisis in the UK has prompted cross-party political attention.

In article [3]Waste is widely seen as a moral issue, not only from an environmental perspective, but also in terms of economic justice (Ciaghi & Villafiorita, 2016)

In article [4] In a recent exploratory study (Michelini et al. 2018) found 52 food sharing initiatives mentioned in academic literature. A hierarchical clustering analysis revealed that although there is a broad variety of design strategies there are nonetheless three loosely-related forms of initiative that encourage food sharing: (1) sharing for money i.e. to make a profit; (2) Sharing for charity i.e. sharing food with a non-profit; and (3) sharing food for community, where consumers are primarily responsible for sharing food among themselves. OLIO was placed in the third category.

In article [5] How interdependent are the people sharing food as donors and recipients? Guyader (2018) suggests that future research should investigate what P2P sharing providers and consumers do when they engage in collaborative consumption practices facilitated by online platforms.

In article [6] Food waste can be defined as a state in which edible food goes uneaten because of a supply chain inefficiency, these can be the result of decisions made by consumers, supply chain actors or other stakeholders, and it represents a subset of total food losses. (Cicatiello, Franco, Pancino, &Blasi, 2016).

In article [7] The Trussell Trust alone distributed 1,182,954 instances of emergency 3-day food supplies between April 2016 and March 2017 (Trussell Trust, 2017).

In article [8] The emergence of food sharing websites and mobile applications have the potential to radically disrupt food commodity lifecycles from production through to disposal (Falcone & Imbert, 2017).

In article [9] At a methodological level, this paper adopts a network analysis as a novel approach to understand online food sharing platforms. This expands existing conceptual research (Kumar et al., 2018)

IN ARTICLE [10] REDESIGNING THE INDIAN FOOD SECURITY SYSTEM THROUGH E-GOVERNANCE: THE CASE OF KERALA (SILVIA MASIERO., 2015)

IN ARTICLE [11] RETHINKING THE FORMATION OF PUBLIC DISTRIBUTION SYSTEM: A CLASS-FOCUSED APPROACH

4. SOFTWARE, HARDWARE USED

To run our Bhoojana Vibhajana Website smoothly, you'll need an operating system like Windows 11. Our website is built using development languages like HTML, CSS, and JavaScript, ensuring an interactive and user-friendly experience. Behind the scenes, we rely on backend databases like MySQL and Java Servlet Connection to manage data efficiently and securely. On the hardware side, your system should have a processor with at least an Intel Core i5, 8GB of RAM to handle multiple tasks seamlessly, and a minimum of 256GB hard disk space to store necessary files and data.

5. METHODOLOGY

1.Home Page Module:
Design an engaging and user-friendly homepage layout that showcases the website's   mission, vision, and key features. Navigation Menu: Implement a navigation menu with links to important sections such as donors, help to donate, about us, contact us.
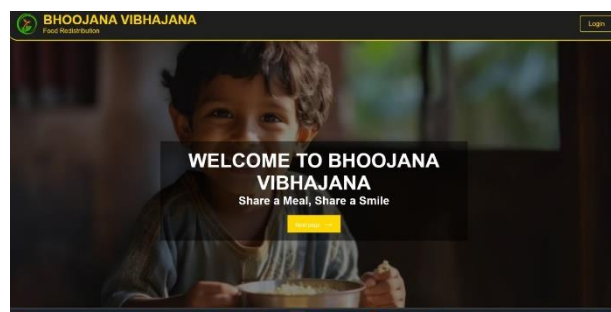
2. User Authentication Module :

Implement signup and login functionalities for both donors and help to donate.
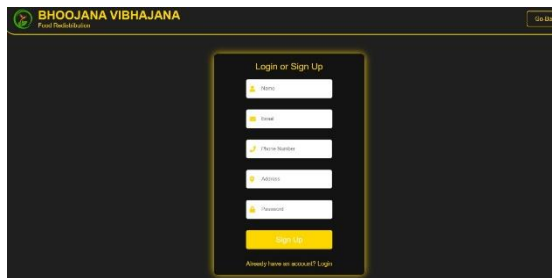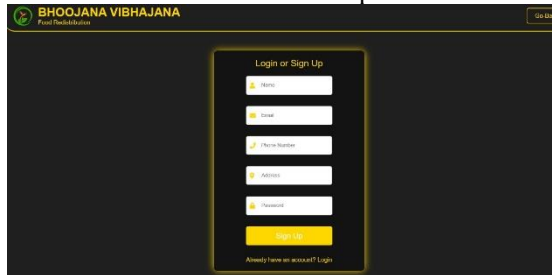
## 3.Donate and Help to Donate Registration Module:

Develop a same user-friendly registration form for both donors and help to donate. Simplify the registration process with minimal required information. Allow donors to specify the types of food available for donation and pickup locations and allow people who choose help to donate can see the history of all donors which are available.

4. Donation Management Module:

Develop a dashboard for donors to manage their donations. Allow donors to create, edit, and delete donation listings, including details such as food type, quantity, and pickup location. Implement a history section to track past donations and pending donation requests.
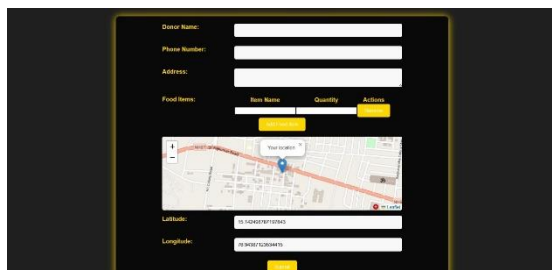
5. Contact Us Module:

Implement a contact form for users to reach out with queries or feedback.

6. Social Media Integration Module:

Create and manage social media accounts (e.g., Facebook, Twitter, Instagram) to raise awareness about food wastage and the platform's mission. Regularly update social media profiles with relevant content, including success stories.

6.   CONCLUSION

In summary, the Bhoojana Vibhajana Website is a vital tool in tackling India's food problems. By connecting people who have extra food with those who need it, we aim to make a real difference. Our goal is to reduce the huge amount of food wasted each year and ensure everyone has enough to eat. With an easy-to-use website and a special map, we're making it simple to find and share food where it's needed most.

As we wrap up, it's clear that the Bhoojana Vibhajana Website is more than just a platform—it's a solution. By making food distribution efficient and accessible, we're working towards a future where food waste is minimized and hunger is eradicated. With our commitment to simplicity and effectiveness, we're confident that together, we can build a better, more nourished world for all.

7.   RESULT

In the end, the Bhoojana Vibhajana Website is here to make a big difference. We want to stop so much good food from being thrown away and make sure everyone has enough to eat. With our easy website and special map, it's easier than ever to share food with those who need it most.

As we finish up, we believe that the Bhoojana Vibhajana Website can change things for the better. By making food sharing simple and accessible, we're moving towards a future where hunger is no longer a problem. With our simple approach, we're sure that together, we can create a world where everyone has plenty to eat.

8.   DISCUSSION

In discussing the Bhoojana Vibhajana Website, it's clear that we're onto something big. With so much food being wasted and so many people going hungry, our platform offers a simple and effective solution. By connecting those with extra food to those in need, we're not just reducing waste, but we're also making sure everyone has enough to eat. With easy-to-use features and a focus on community, we're paving the way for a better, more nourished future for all.

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