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DONATION FOR GOOD CAUSE

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Abstract

"Donation for Good Cause" is a platform that simplifies donations, allowing users to give items like food, clothing, and funds in one place. It assists communities by directing surplus goods to organizations such as orphanages, old age homes, and shelters, thus reducing waste. Donors register with their contact details and post donations in the "Available Donations" section. Recipients, including non-profits and shelters, verify their identity and organization during registration. After approval, they can browse and claim the items they need. For example, a donor offering food specifies the type, quantity, and location, making it easier for recipients to collect. This platform helps reduce waste and ensures resources are efficiently distributed to those in need, connecting donors directly with organizations that serve underserved communities.

1. INTRODUCTION

"Donation for Good Cause" is a unique platform designed to address the challenge of resource distribution by linking individuals with surplus items to those in need. Our goal is to close the gap between excess resources and essential requirements, ensuring that valuable goods reach individuals and communities who can benefit from them. Through an intuitive platform for donating various items—including food, clothing, and financial support—we enable individuals and organizations to contribute meaningfully to their communities. This initiative is committed to promoting kindness, compassion, and social change, emphasizing the power of collective generosity and community collaboration.

How It Works

Donor Registration:

Individuals or organizations wishing to contribute start by creating an account on our platform. The registration process is designed to be straightforward and user-friendly, allowing donors to list the items they want to donate. This helps donors manage their contributions and ensures that surplus resources are effectively matched with those in need.

Recipient Registration:

Non-profits, shelters, and other organizations that need resources can also register on our platform. They must provide proof of identity and organizational affiliation to verify their eligibility. Once registered, recipients can access the platform to view and claim donations that meet their needs.



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PostingDonations:

Donors provide detailed information about the items they are donating, including the type, quantity, and location for collection. This transparency helps recipients understand what is available and decide which items they wish to collect.

Collecting Donations:

Recipients browse the "Available Donations" section of our platform to find items that match their needs. This section is regularly updated with new donations. Recipients can then arrange to collect the items directly, ensuring a smooth transfer of resources from donors to those in need.

Importance of "Donation for Good Cause"

Addresses Social and Economic Inequalities:

Our platform plays a vital role in reducing disparities in resource distribution. By facilitating the movement of surplus items to underserved communities, we help address social and economic imbalances and support those who might otherwise be overlooked.

Supports Vulnerable Populations:

We offer direct assistance to at-risk individuals and groups, such as low-income families and the homeless. By streamlining the donation and collection process, we improve access to essential goods and services.

Promotes Positive Change and Social Justice:

"Donation for Good Cause" is committed to creating a more equitable society. Our platform supports fair resource distribution and initiatives that advance social justice and societal improvement.

Encourages Empathy and Understanding:

The process of donating and receiving fosters empathy and strengthens community bonds. Our platform helps users gain a deeper understanding of others' challenges and encourages a culture of mutual aid and support.

Fosters Generosity and Kindness:

By simplifying the donation process, we nurture a culture of giving. Our platform emphasizes the importance of generosity and kindness, motivating individuals and organizations to actively support their communities.

By engaging with "Donation for Good Cause," individuals and organizations have the opportunity to make a substantial impact in their communities. Our platform facilitates the redistribution of essential resources and supports broader social responsibility and community involvement. Together, we can drive significant change, enhance community well-being, and contribute to a more compassionate and equitable world.

2. LITERATURE SURVEY

This paper extends existing research on fundraising and the motivations behind charitable giving. Recent surveys show that over 58 percent of food produced for consumption is wasted daily, while more than 60 percent of people in developing countries suffer from malnutrition due to insufficient food resources. As a result, advanced nations are increasingly focusing on minimizing food waste and redistributing surplus food to those in need. Various applications have been developed to address food waste by redirecting excess food to individuals and communities in need. This paper also explores different types of



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donations and how various donation methods meet the diverse needs of vulnerable populations.

Food Waste Application in Singapore

Tan Jun Yuan, a food stall operator in Singapore, became concerned about the significant amount of food wasted each year. He observed that vendors frequently had leftover food, including about 10 to 15 bowls of pork ribs and other items daily. Recognizing that over 35 percent of the food he prepared went uneaten, he created an app called 11Th Hour. This app enables users to purchase leftover food at half price before restaurants close. Since its launch, the app has been downloaded nearly 20,000 times.

Application for Managing Food Waste

This application, which is effective in the United Kingdom and Ireland, helps manage food waste by alerting supermarkets about surplus food. Charitable organizations can then collect this food, reducing waste. The app serves as an intermediary by providing information about available food and arranging pickups for charities. It also stores the food until it can be collected according to the needs of the charities. According to [1], over 1,200 business hubs and 3,000 charitable organizations use this app to distribute excess food.

Food Cloud: UK and Ireland

FoodCloud is an application designed to manage food waste in the UK and Ireland. It notifies supermarkets of surplus food so that charitable organizations can collect it. The app acts as an intermediary, providing details about the available food and coordinating pickups for charities. It also stores the food until it can be collected according to the charities' needs. Over 1,200 business hubs and 3,000 charitable organizations use FoodCloud to facilitate the distribution of excess food.

Cheetah: Food Waste Reduction in Africa

The Cheetah app, developed by researchers at the University of Twente, addresses food waste issues in Africa. Due to poor road conditions and limited refrigeration, fruits and vegetables often spoil before consumption. This app aims to collect these items before they deteriorate and distribute them to people experiencing malnutrition. The Dutch Ministry of Foreign Affairs supported the development of this app, which is mainly used by farmers and food transporters. It is expected to be publicly available by May next year [2].

No Food Waste: India

No Food Waste is an Indian app that enables restaurants, food stalls, and event organizers to report surplus food. The app helps collect and distribute excess food to homeless individuals, slum dwellers, orphanages, and nursing homes. Users can also report hunger points to receive food. The only requirement is that the food must have been prepared within the past two hours [3].

These applications represent significant progress in utilizing technology to reduce food waste and support those in need. While they have made a notable impact, greater awareness and careful food handling practices remain crucial. According to [4], increased sensitivity in food preparation and consumption can help create a world where food waste is minimized.

3. PROBLEM STATEMENT

Existing donation platforms are often limited to specific item categories like food, clothing, or electronics, making it difficult for donors to contribute a variety of resources.



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This lack of versatility also limits access for those in need, who may require diverse items. The goal of this project is to develop a unified platform that facilitates the donation of multiple item types, providing a seamless way for donors to give and ensuring recipients can access the resources they require across different categories.

4. EXISTING SYSTEM

The existing donation website system encompasses various components to facilitate secure and efficient fundraising. Users can browse causes, create accounts, donate via payment gateways, and track donation history. These platforms offer customizable templates, mobile responsiveness, and seamless integrations. For organizations, the system includes tools to create, manage, and promote campaigns, with analytics to monitor donation trends and donor engagement. Donation websites often feature real-time tracking of donation progress, showing the amount raised towards a specific goal. And in the existing System they only focus on either Food or Funds. This lack of versatility also limits access for those in need, who may require diverse items. The system aims to simplify the donation process for users while providing transparency and accountability for organizations.

5. PROPOSED SYSTEM

The proposed donation platform addresses the limitations of current systems by enabling contributions across a wide range of categories without restrictions. It features a user-friendly interface that allows donors to easily list items, organized into categories for better alignment with recipients' needs. The platform supports various donation categories, ensuring flexibility and accessibility for both donors and those in need. To maintain quality, the system includes verification processes for both donors and items before listings are approved. Additionally, notifications about available donations facilitate prompt communication between parties. Recipients can also request donations from available donors based on their needs. This comprehensive solution streamlines donation management while promoting community engagement and improving access to essential resources.

METHODLOGY

Modules

This project consists of three modules:

A. Admin Module

Provides organization administrators with tools to manage donations, generate reports, update campaigns, and oversee the donation process.

B. User Module

This is subdivided into two modules:

Donor Module

Allows users to create profiles, donate, and track their donation history.

Recipient Module

Enables individuals in need to create requests, track the status of their received donations, and communicate directly with donors.

C. Database Module

A database module is a software component that manages and interacts with a database.

• Stores, retrieves, and manipulates data



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- Provides data validation and security
- Supports querying, filtering, and reporting
- Integrates with applications and systems

6. PROJECT REQUIREMENTS

Frontend Technologies:

HTML, CSS, and JavaScript:

These are fundamental technologies used for structuring web content, designing the visual layout, and adding interactivity to websites.

Backend Technologies:

PHP:

A server-side scripting language commonly used for creating dynamic content, managing database interactions, and processing form submissions.

MySQL:

An open-source relational database management system widely used for data storage and management in web applications.

Development Environment:

Visual Studio Code:

A popular and flexible code editor with features that support multiple programming languages, including options for debugging and running code across different platforms.

7.ACKNOWLEDGEMENT

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8.FUTURE SCOPE

In the future, the donation platform could be enhanced by adding the following features:

- 1. Incorporating GPS functionality so that donors can specify the exact location of donated items, making it easier for recipients to find what they need.
- 2. Allowing recipients to submit their requirements directly on the site

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9.CONCLUSION

Our research focuses on addressing the challenges of resource distribution inefficiency, which significantly impacts both the economy and society. This issue can be addressed by implementing innovative policies and utilizing technological advancements.



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Digital platforms offer a powerful means to streamline donation processes and reduce waste. The platform we propose is designed to enhance resource distribution by promoting the exchange of goods within communities. Using web-based solutions, it aims to simplify access and support donations across various categories, thereby minimizing waste. This work represents an important step toward developing a more effective and inclusive system for donation management and waste reduction.

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