

Help Pro-Modern Donation Hub

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Abstract - This Orphans and vulnerable children are always confronted with immense psychological and social problems. As they grow older, they are also vulnerable to maltreatment (harassment and violence), economic and sexual abuse and exploitation, due to lack of care and protection. These risks and other vulnerabilities are also likely to harm their future livelihoods as well. A sustained commitment to protecting and improving the lives of these orphaned and vulnerable children is required so as to ensure that their needs are addressed through actions at the local level as well as at the higher levels, so that interventions made can achieve the widest possible impact. So to address all these problems we design and develop a proposed system at Orphanage. By using this project we delivered usable things like cloths, food items, stationary, etc. to different orphanages through android application. The proposed system is a pioneering endeavor poised to revolutionize the world of charitable giving and humanitarian aid in the digital age. This innovative platform harnesses the power of modern technology to connect donors, beneficiaries, and organizations seamlessly. By offering a user-friendly interface, secure transactions, and transparent tracking, it empowers individuals and entities to contribute to causes they care about with confidence and convenience. The proposed system aspires to bridge the gap between philanthropy and technology, facilitating a more efficient and impactful means of support for diverse charitable initiatives across the globe.

Keywords: Orphanage, Android Application, Psychological and Social Problems, Children's and his daily needs, Donations, etc.

I. INTRODUCTION

In our research, why we give, a feeling of social conscience was the most widely given reason to give to charity. Whatever type of charity work they supported, 96% said they felt they had a moral duty to use what they had to help others, a sentiment very much rooted in their personal values and principles.

The vision of the organization is to build a society which loves and accepts orphans and vulnerable children so as to attain healing of their emotional wounds, build their

confidence, and create space and opportunities to facilitate the development of their talents so that they can live in dignity, respect and managing their own lives independently.

In a world marked by increasing interconnectedness, the “DonationsEase: Modern Donation Hub” recognizes the need for a central platform that facilitates charitable giving, simplifies donor engagement, and optimizes resource allocation for non-profits and charitable organizations. By harnessing the power of modern technology, this platform seeks to foster a sense of shared responsibility, encouraging individuals and businesses to contribute to causes that resonate with their values and passions. The “DonationsEase: Modern Donation Hub” project is more than just a digital platform; it is a catalyst for positive change. It aims to bridge the gap between donors and beneficiaries, foster trust and transparency, and empower users to make informed decisions about where their contributions can have the most significant impact. With user-friendly interfaces, secure transaction mechanisms, and real-time tracking of donations, this project promises to usher in a new era of philanthropy, one that is dynamic, inclusive, and responsive to the ever-evolving needs of our global community. In the following sections, we will delve deeper into the features, benefits, and the transformative potential of the “Modern Donation Hub.” By examining its core functionalities and the positive outcomes it seeks to achieve, we will gain a comprehensive understanding of how this project represents a visionary leap forward in the realm of charitable giving. The vision of the organization is to build a society which loves and accepts orphans and vulnerable children so as to attain healing of their emotional wounds, build their confidence, and create space and opportunities to facilitate the development of their talents so that they can live in dignity, respect and managing their own lives independently. The organization decided to set up a center for orphans and other vulnerable children so as to address their problems at the community level. Here also provide as well as donate the different things through modern Donation Hub to Orphanage.

II. LITERATURE SURVEY

We conducted a survey of various applications related to our project and tested various systems that follow the same principle. We also conducted a walkthrough of various

guidelines related to Drug Donation and what policies and programs are followed throughout the world in this area. We researched the Guidelines released by WHO to implement such Medicine Donation Programs and found out about various new factors and precautions should be taken while this donation process takes place. The following is the gathered data that we collected by reading and short listing the references we followed. We also studied the various drug donation campaigns that take place in India and prepared a detailed analysis on the topic.

The rotary foundations, Americarespo, “A customizable android application for modern donation hub.” At the 1917 convention, outgoing rotary president arch klumph proposed setting up an endowed for the purpose of doing good in the world. The rotary foundations helps rotary members to advance world understanding, goodwill, and peace by improving health, providing quality education, improving the environment and alleviating poverty.

“Design and implementation of donor and donation hub interaction system based.” In this system donor can walk in voluntarily any time round the clock at their own convenience to donate blood in a licensed blood bank. Beside an in house camp can be organized in a blood bank on pre-fixed dates with the organizers and blood bank in charge, clothing shoes and bags, books, art, toys and games, minatory, hygiene essential, sporting goods etc., we by this from any stationary store or online shopping.

“A Fast interactive to do donations.” We can use modern donation hub (MDH) android application for donate. Smart donations in the era of internet- of -things: the development in the internet- of -things (IOT) has advanced donation. The IOT can overcome that barrier. Many IOT trends relate to helping people process payments for goods faster, such as by using smart credit and readers. Those come in partially during events like crafts shows or tattoo conventions intelligent.

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III. PROPOSED SYSTEM

The proposed system for the project envisions a comprehensive and user-centric platform that harnesses the capabilities of modern technology to revolutionize the landscape of charitable giving. At its core, this system will provide a user-friendly interface accessible through web browsers and mobile devices, ensuring ease of navigation for donors, beneficiaries, and organizations alike. Donors will be able to create personalized profiles to manage their giving history and preferences, and they will have access to an extensive database of charitable causes, making it effortless to discover and support initiatives that align with their values. Security will be paramount, with robust measures in place to safeguard financial transactions. Real-time donation tracking will offer donors transparency into how their contributions are utilized, fostering trust and accountability.

The system will also provide data-driven insights for charitable organizations to optimize their strategies and allocation of resources. Collaboration will be facilitated through features like crowd funding, volunteer recruitment, and corporate partnerships, all within a dedicated mobile app for on-the-go engagement. Social media integration will amplify the impact of charitable activities, while a support network and educational resources will ensure that users are well-informed and assisted throughout their philanthropic journey. Ultimately, this proposed system aims to merge technology and compassion, creating an ecosystem that empowers users to make a meaningful and transparent impact on the causes they hold dear, thus driving positive change within our global community. The proposed medicine donator project will be to prepare a portal for the collection of unused medicine for further utilization by a needy person. The website will be made so that the user can donate the unused medicine to NGO.

That NGO can help needy people. The user can donate the medicine. Many poor people who could not afford to buy their own medicines, will get help from this website, where people can get the treatment and medicines to cure the respective diseases, and also the unused medicine will be utilized. The proposed system will also ask the user for the images of the medicines that he/she wants to donate so that there will be no further confusion on NGO side. An additional feature that will add will be AI Image Search where the postal will search for the medicine on the Internet and provide the condition of the medicine that is to be donated. This will help to determine the condition in which the medicine is and also prove beneficial for the segregation of the medicines at NGO and Collection Center Level. This feature is completely new in our portal and is revolutionary in many ways. When the user is asked to click a picture of the medication, let's consider a

Syrup Bottle, the portal will take that image and compare it with a new packed bottle image on the Web. Collection Center will accept it only if the condition of the bottle is as per the requirements.

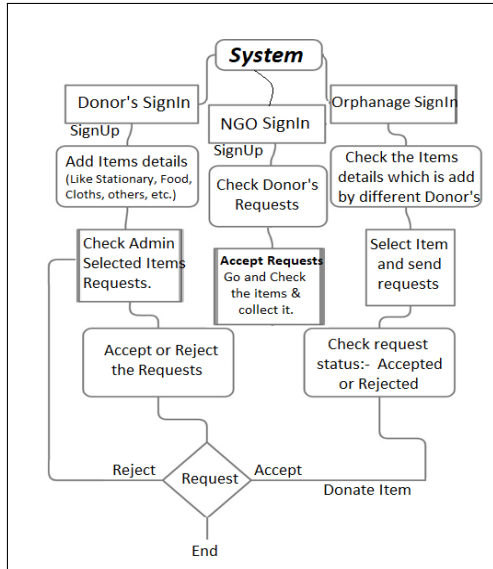


Figure 1: Proposed Methodology

The aim of the suggested system is to enable using of information and communication technologies in order to unite and offer a more effective way for arranging common activities of the NGOs. The modules included in the proposed system that are lacking in the previous systems are: Donations Tracking and Status of the medicines, Doctors Consultation, Drug Information and Education, Guidance on Medicines and Proper Donation Methods Education to the users, Proper Inventory Management System, Medicine Sorting, User Validation using authentic details, Forums and Emergency Notifications to the registered users, etc. The proposed system aims to revolutionize the way donations of household and food items are made by leveraging modern technology. This platform will serve as an integrated and user-friendly solution for donors and recipients, offering real-time capabilities to enhance the donation process. Key features of the proposed system include:

- **User-Friendly Interface:** The platform will provide an intuitive and user-friendly interface that allows both donors and recipients to create profiles and navigate the system with ease.
- **Item Listings:** Donors will be able to list the items they wish to donate, complete with descriptions, images, and quantities. This feature enables a clear and detailed presentation of available items.
- **Advanced Search and Matching:** The system will offer advanced search functionalities, including location-based searches, to help users find nearby donation centers or

individuals in need. Smart algorithms will facilitate efficient matching of donors and recipients.

- **Secure Transactions:** To support the financial aspect of donations, the platform will integrate secure payment gateways to facilitate financial contributions for the purchase of essential items or other monetary support.
- **User Profiles:** Profiles for donors and recipients will include ratings and reviews, fostering trust within the community. Donors can maintain a donation history, while recipients can showcase their needs and experiences.

IV. RESULTS AND DISCUSSIONS

The outcome of the project is the creation of a comprehensive and user-friendly platform that revolutionizes the way people engage with charitable organizations and make donations. Through DonationEase, users can seamlessly discover a wide range of charitable causes, from humanitarian aid to environmental conservation, and contribute to them with ease. The platform provides a modern and intuitive interface that simplifies the donation process, allowing users to explore various organizations, learn about their missions and impact, and make secure donations online.

Donation Ease also offers advanced features such as personalized recommendations based on user preferences and past donation history, real-time progress tracking of donation campaigns, and social sharing options to amplify the impact of donations. Additionally, the platform includes robust tools for charitable organizations to manage their campaigns, engage with donors, and track donation metrics effectively. Overall, the outcome of the Donation Ease project is a powerful and versatile donation hub that empowers both donors and organizations to make a meaningful difference in the world.

A) Admin Module:

An admin module in this system will make sure that the user that is acting as an admin of the system can cooperate and easier to manage. This admin module also will make donors who is using this system can easily manage their donated products such as adding people's willing to donate stuffs, Orphanages to receive the donated stuff's, edit the people location, newly added orphanages area locations, create new catalogs and category, viewing orphanages needs, passing donated items to the orphanage. There are two system management that admin will control. First, the donated Items management system and second, delivering donated items to needy people and orphanages management system. For the items management system, admin can edit all the item details and also can add a new category and add new catalog. For the purchase, management system, admin can view all the

purchasing process that is made by the orphanages and admin also will take action when orphanages made a request.

B) User Module:

For the user module, it will make this system more users friendly because almost 100% of this module will be interacting with users. In this system, there will be two types of user. The first type is users who act just a guest to this system. They do not register with the system and the system view all orphanages and their needs and help them but they will be asked to enter information required to make the delivery process. The second type of this module is registered orphanages. Users who are already registered with this system can log in and view needs of orphanages, donate item, leave comments or feedback, tracking their history transaction and make donated items record. These registered users did not need to enter information each time they make the online donation because the system has already had their information while doing the user registration, doesn't have their information.

C) Donator Module:

Each donator has a separate donator profile page & can edit their profile page on their own. The donator will have own dashboard to manage their donation. Only selected order status will be used by the donator for changing their item donated status. The donators can use the need alert feature for their items. Donator can set the item quantity restrictions for the orphanages. Also, the donator can create and manage the reasons which are to be selected while adding or updating an item. Also, the donator can also use his name, if allowed by the admin. In the donator panel, the donator can view the listing of incomes along with the donator and admin amount. Also, the donator can add new items on behalf of the orphanages in the donator panel itself.

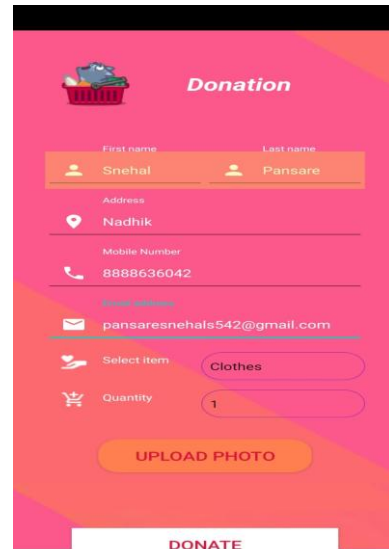


Figure 3: Login Page



Figure 4: Admin

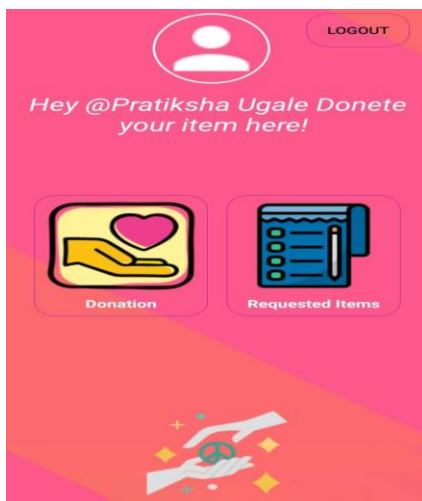


Figure 2: Home Page

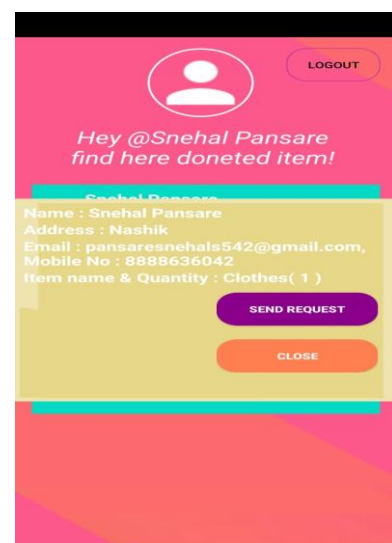


Figure 5: Candidates Score

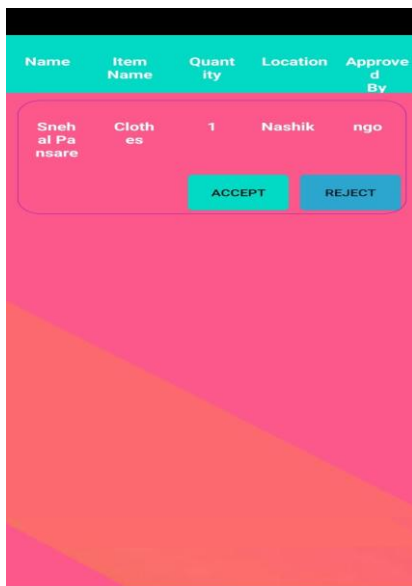


Figure 6: HR Mail

V. CONCLUSION

In conclusion, the project represents a significant step forward in leveraging technology to facilitate philanthropy and social impact. Through the development of an innovative donation platform, we have addressed the growing need for accessible and efficient ways to support charitable causes. By providing users with a user-friendly interface, personalized recommendations, and real-time progress tracking, Donation Hub has enhanced the donation experience, making it more engaging and rewarding for donors. Additionally, the comprehensive suite of tools and features offered to charitable organizations empowers them to amplify their impact, engage with donors effectively, and drive meaningful change in their communities. As we move forward, we envision Donation Hub continuing to evolve and expand, further bridging the gap between donors and charitable organizations and fostering a culture of giving that makes a lasting difference in the world.

REFERENCES

- [1] Y. Liu. The Truth Behind the Doubts of Wuhan Red Cross Society. Accessed: Feb. 30, 2020. [Online].
- [2] Feiteng. No Surprising That the Donation of Wenchuan Earthquake Was Embezzled by Officials of Sichuan Red Cross Society. Accessed: Mar. 11, 2020. [Online]. Available: <http://star.news.sohu.com/20160820/n465182553.shtm>.
- [3] Y. Jiang, "A case study on the credibility of charitable organizations," (in Chinese), Chin. Foreign Entrepreneurs, no. 18, p. 229, 2015.
- [4] S. Nakamoyo. Bitcoin: A Peer-to-Peer Electronic Cash System. Accessed: Mar. 11, 2020. [Online]. Available: <https://bitcoin.org/bitcoin.pdf>.

- [5] N. Z. Aitzhan and D. Svetinovic, "Security and privacy in decentralized energy trading through multi-signatures, blockchain and anonymous messaging streams," IEEE Trans. Dependable Secure Comput., vol. 15, no. 5, pp. 840–852, Sep. 2018.
- [6] Z. Zheng, S. Xie, H. Dai, X. Chen, and H. Wang, "An overview of blockchain technology: Architecture, consensus, and future trends," in Proc. IEEE Int. Congr. Big Data (BigData Congress), Jun. 2017, pp. 557–564.
- [7] Y. Lin, Y. Tu, and Z. Dou, "An improved neural network pruning technology for automatic modulation classification in edge devices," IEEE Trans. Veh. Technol., vol. 69, no. 5, pp. 5703–5706, May 2020.
- [8] Z. Zhang, X. Guo, and Y. Lin, "Trust management method of D2D communication based on RF fingerprint identification," IEEE Access, vol. 6, pp. 66082–66087, 2018.
- [9] Y. Li and Y. Qiaoyun, "A study on collaboration and linkage mechanism for quick response intelligence system in major disasters emergency decision," (in Chinese), J. Sichuan Univ., Social Sci. Ed., no. 3, pp. 116–124, 2014.
- [10] C. Hongjuan and X. Jihui, "An empirical study of the aid of charity and commonweal organizations to participate in social: For the '4.20' earthquake as an example," (in Chinese), J. Chengdu Univ. Technol., Social Sci., no. 11, p. 77, 2015.

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