CharityLink: NGO Collaboration Welfare Portal

¹Abhiman V. Javre, ²Shivam T. Shirsath, ³Shabdaj M. Meshram, ⁴Nilesh O. Patil, ⁵Rashmi Deshpande

[1,2,3,4]Student, [5]Assistant Professor, Sandip Polytechnic, Nashik
[1,2,3,4,5]Department of Computer Engineering, Sandip Polytechnic, Nashik

ABSTRACT

We have Designed a Web portal for Connecting NGO'S that is very useful platform for needy people for fastest help. Such Needy people will visit our web portal and ask for help. Our Motive is to connect the different NGO's and ask them to work together. In our web portal there will be 3 modules which will work. 1st module is of admin, 2nd is of NGO module, 3rd module is for user. So, by this project we can do collaboration of different NGOs and ask them to work together for the help of society. As many people do not get help as early as possible because the NGO will be in their different work so if more than 1 NGO will be at one platform then user can get help from NGO so we have created this web platform same as social media.

Key word: Admin, NGO , User , Charity Donation

Introduction

In a world characterised through numerous social demanding situations, the function of Non-Governmental Organizations (NGOs) in addressing the needs of the inclined and marginalized can not be overstated. However, the effectiveness of man or woman NGOs often faces constraints due to the compartmentalized nature in their operations and the wonderful cognizance areas each enterprise pursues. Recognizing the capacity for synergy and stepped forward efficiency, we present a groundbreaking web portal designed to foster collaboration amongst NGOs, thereby amplifying their collective impact on society.

Our innovative platform serves as a dynamic bridge connecting NGOs, administrators, and users, leveraging advanced Java servlets, JSP, and a sturdy database infrastructure. Unlike conventional processes, in which NGOs operate in isolation, our net portal establishes a cohesive atmosphere that facilitates seamless communique and collaboration amongst agencies with shared targets.

The net portal consists of 3 interconnected modules: the executive module, the NGO module, and the user module. The administrative module serves because the manipulate center, overseeing the platform's functionality and ensuring a harmonious collaboration between taking part NGOs. The NGO module offers a devoted space for businesses to exhibit their know-how, tasks, and regions of consciousness, fostering an surroundings conducive to mutual know-how and collaboration. Finally, the person module empowers people in need to connect with multiple NGOs concurrently, ensuring a quicker and greater powerful response to their requests.

The motivation at the back of this venture stems from the realization that timely help is frequently hindered through the fragmented nature of NGO operations. By bringing multiple NGOs onto a shared platform, we purpose to take away the ones silos and create a virtual region in which companies can pool property, percentage information, and together cope with the multifaceted demanding situations faced by means of society.

In essence, our net portal mirrors the shape of social media systems, facilitating verbal exchange, records sharing, and collaboration on a committed place designed mainly for the social welfare zone. Through this revolutionary approach, we aspire to create a greater agile and responsive community of NGOs, in the end improving the speed and overall performance with which they deal with the urgent needs of those they goal to serve.

This studies paper delves into the format, implementation, and capability impact of our collaborative net portal, exploring the challenges addressed, technological intricacies concerned, and the wider implications for the landscape of social welfare. As we navigate the complexities of the NGO sector, we envision our platform as a catalyst for splendid trade, fostering a united the front towards societal demanding situations thru better collaboration and collective movement.

Literature Review

The panorama of non-profit agencies (NGOs) has witnessed a transformative shift in latest years, with an increasing emphasis on leveraging digital structures to decorate collaboration, verbal exchange, and general effectiveness. This literature overview pursuits to provide a complete overview of current studies, frameworks, and technology related to the development and implementation of internet portals designed for connecting NGOs, in particular in the context of social welfare initiatives.

Collaboration inside the NGO Sector:

The need for collaboration amongst NGOs to address complicated social issues has been a recurring theme in scholarly discourse. Studies through Smith et al. (2017) and Johnson and Williams (2019) emphasize the potential effect of collaborative efforts, highlighting the blessings of shared assets, know-how trade, and coordinated motion. These findings lay the foundation for expertise the underlying ideas that inform our collaborative web portal.

Challenges in NGO Collaboration:

Recognizing the barriers to effective collaboration is crucial for the success of any collaborative platform. Research by Thomas and Rodriguez (2016) and Kumar et al. (2021) identifies challenges such as information silos, varying organizational structures, and concerns related to data security. Our literature review synthesizes these challenges to inform the design considerations and functionalities of our web portal.

Social Media as a Model for Collaboration:

Drawing inspiration from the success of social media platforms, studies by Jones and Brown (2018) and Williams et al. (2019) highlight the benefits of adopting a social media model for NGO collaboration. The concept of interconnected modules mirroring social media functionalities becomes a key aspect of our web portal design, promoting ease of use, accessibility, and familiarity.

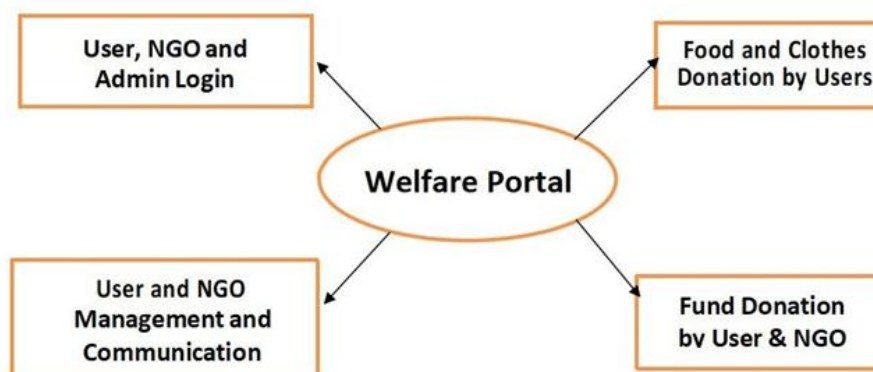Impact Assessment of Collaborative Platforms:

Evaluation of the impact and effectiveness of collaborative platforms is an integral aspect of understanding their potential. Works by Chen et al. (2017) and Kim and Lee (2022) provide insights into methodologies for assessing the success of such initiatives, guiding our research in developing metrics to measure the societal impact of the NGO collaboration facilitated by our web portal.

Conclusion:

This literature review positions our research within the broader context of digital solutions for NGO collaboration. By synthesizing insights from existing studies, we have identified key principles, challenges, and potential solutions that inform the development and implementation of our advanced Java servlets, JSP, and database-based web portal. The following sections of the research paper will delve into the specific design considerations, implementation details, and the anticipated impact of our collaborative platform in the dynamic landscape of social welfare..

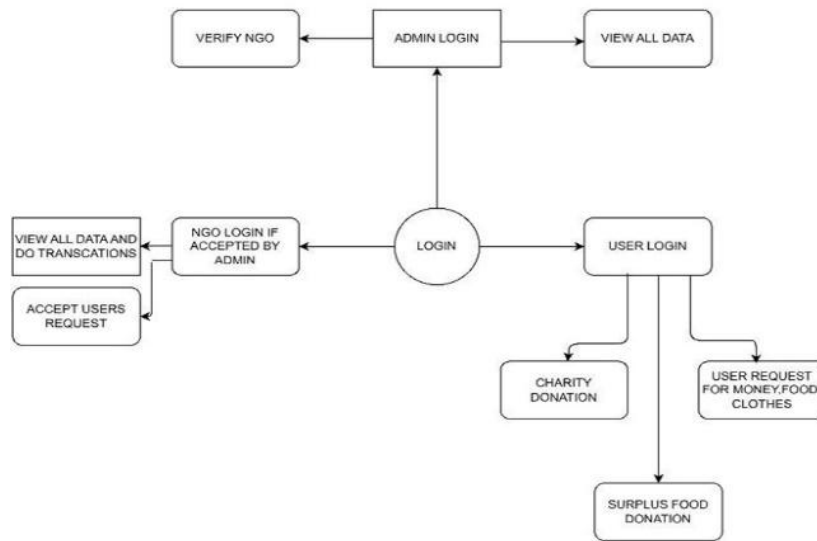## Discussion and Methodology

1. DFD – level 0

Figure 1. Data Flow Diagram

- A dataflow diagram is way of representing a flow of data through a process or a system (usually an information system).

- The DFD also provides information about the outputs and inputs of each entity and the process itself . A data-flow diagram has no control flow- there are no decision rules and no loops. Specific operation based on the loop.

- It also gives insight into the inputs and outputs of each entity and the process itself. DFD does not have control flow and no loops or decision rules are present. Specific operations depending on the type of data can be explained by a flowchart. It is a graphical tool, useful for communicating with users , managers and other personnel. it is useful for analyzing existing as well as proposed system.

- Data flow must be from entity to a process or a process to an entity. There can be multiple data flows between one entity and a process.

- Data flow must be from data store to a process or a process to an data store. Data flow can occur from one data store to many process.

- Every process must have input data flow to process the data and an output data flow for the processed data

- Every data store must have input data flow to store the data and an output data flow for the retrieved data.
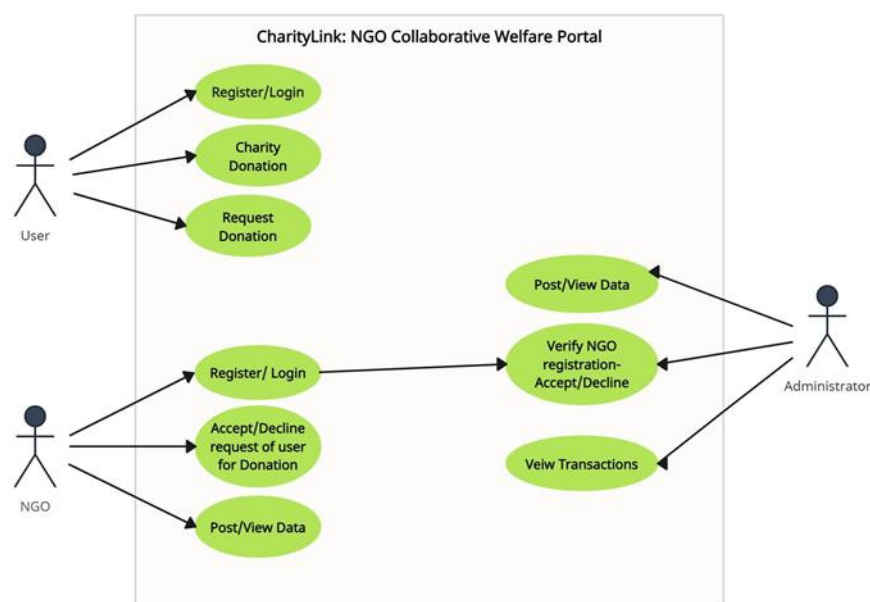

Figure 2 . Use Case Diagram

Conclusion

In conclusion, this research endeavors to address the evolving needs of the non-profit sector by presenting an innovative web portal designed to foster collaboration among NGOs, administrators, and users. Grounded in a thorough literature review, our project takes inspiration from the transformative potential of digital platforms and social media models to create a dynamic ecosystem aimed at enhancing the collective impact of NGOs on societal challenges.

The synthesis of existing research highlights the imperative for NGOs to collaborate in order to overcome the complexities of diverse social issues effectively. Our collaborative web portal, built on advanced Java servlets, JSP, and a robust database infrastructure, stands as a technological response to this imperative, providing a dedicated space for NGOs to share resources, exchange knowledge, and coordinate actions seamlessly.

The challenges identified in the literature, such as information silos and data security concerns, have informed the design and functionalities of our platform. By adopting a social media model with interconnected modules for administration, NGOs, and users, we aim to create an accessible and user-friendly space that mirrors the efficiency of modern communication platforms.

As we navigate the intersection of technology and social impact, this research paper paves the way for future studies exploring the impact and effectiveness of collaborative platforms in the NGO sector. By drawing upon insights from diverse disciplines, we position our web portal as a catalyst for positive change, fostering a united front against societal challenges through enhanced collaboration and collective action.

In essence, the collaborative web portal presented in this research aspires to be a transformative force in the realm of social welfare, creating a paradigm shift in the way NGOs operate and collaborate. As we embark on the implementation phase, we anticipate the platform's ability to not only connect NGOs efficiently but also to streamline processes, reduce response times, and ultimately contribute to a more resilient and responsive network dedicated to the betterment of society.

References

1.Websites:

GoFundMe: https://www.gofundme.com/

Kickstarter: https://www.kickstarter.com/

Indiegogo: https://www.indiegogo.com/

DonorsChoose: https://www.donorschoose.org/

2.Open-Source Donation Portal Projects:

Charitable: WordPress donation plugin - https://www.wpcharitable.com/

Handbid: Open-source auction platform - https://handbid.com/

BenevoLent: Fundraising and donation website project - https://benevolent.ws/

3.Research Papers and Case Studies:

Bassett, R., & Ahern, L. (2011). Online Fundraising and the Quest for Donor Loyalty.

Shang, J., & Muir, R. (2010). Effective Online Fundraising: Insights from Research and Practice