

Elder and Orphanage Management System

¹M. Santhi ²M. Lahari ³P. Jashmitha ⁴Y. Manasa ⁵Sk. Afreen

⁶Sk. Sameera

¹ Assistant Professor, Department of CSE, Narayana Engineering College, Nellore, Andhra Pradesh, India

^{2, 3, 4, 5 & 6} UG Scholars, Department of CSE, Narayana Engineering College, Nellore, Andhra Pradesh, India

Abstract: *The Elder and Orphanage Management System is a simple yet effective application that could help govern orphanages and old-age homes. It has three significant roles for the users, Admin, Staff, and Volunteers/Donors; each has its functions in making smooth operations. Admin is to manage Staff and Resident details and view volunteers and events. The Staff Updates Resident details and Event details, manages gallery and requests donations. The Volunteer/Donor sends feedback, view gallery, and make donation. Updating profile is also available to the users. The web-based application ensures smooth and effective communication, transparency, and coordination-all of which contribute to a well-organized and favorable environment for children and elderly residents.*

Keywords: *Old-age Homes and Orphanage management, User-friendly UI, Administration, Admin, Staff, Volunteer/Donor, Resident Details, Efficient Communication, Smooth Coordination.*

I. INTRODUCTION

Orphanages and elder care homes are the places where abandoned children and senior citizens without family stay. These homes are places of shelter, food, medical care, and emotional support, and help the residents to live a dignified life. However, most of the orphanages run out of scarce resources, poor old management systems, and communication inefficiencies. The quality of services rendered mainly succumbs to issues such as mismanagement of donations, improper resident records, and lack of poor communication. Therefore, a larger effort must be done in improving these qualities through a structured and transparent management system that ensures resources are effectively utilized, with their maximum perspective in terms of taking care of residents.

The primary goal of our Elder and Orphanage Management System is to facilitate better organization and efficiency. This application will streamline existing processes such as resident record creation, donation tracking, and events where everything can be coordinated sequentially and transparently. It is everything on a single place where the core day-to-day activities of orphanages and elder care homes can be edited easily while enriching the well-being of their inhabitants through intelligent improvements.

II. EXISTING WORK

Most orphanages and elder care homes do not have a centralized system for effective operational management, and most are still operating by means of manual processes or disintegrated digital systems. For all of these reasons, tracking resident records, donations and volunteer work is nearly impossible. The absence of a centralized structure for staff, donors and volunteers to use, leads to communication breakdowns, delays in allocation of resources and events that cannot be fully coordinated.

Also, security is a major topic of concern since resident and funding data are stored if at all, in unsecured forms and thus likely endangered from loss or other demolition attempts. Overall, these challenges result in inefficiencies, mismanagement and less engagement from the community, revealing the demand for up-to-date, modern solutions that can address the issues of organization, transparency and real time collaboration.

Disadvantages:

- **No Centralized System:** Data is distributed, which complicates updates and following up.
- **Manual Systems:** Paper-based reports result in mistakes, delays and inefficiencies.
- **Limited Communication:** Staff, donors, and volunteers have difficulty cooperating and coordinating.
- **No Transparency:** Donors cannot see how their money is being used.

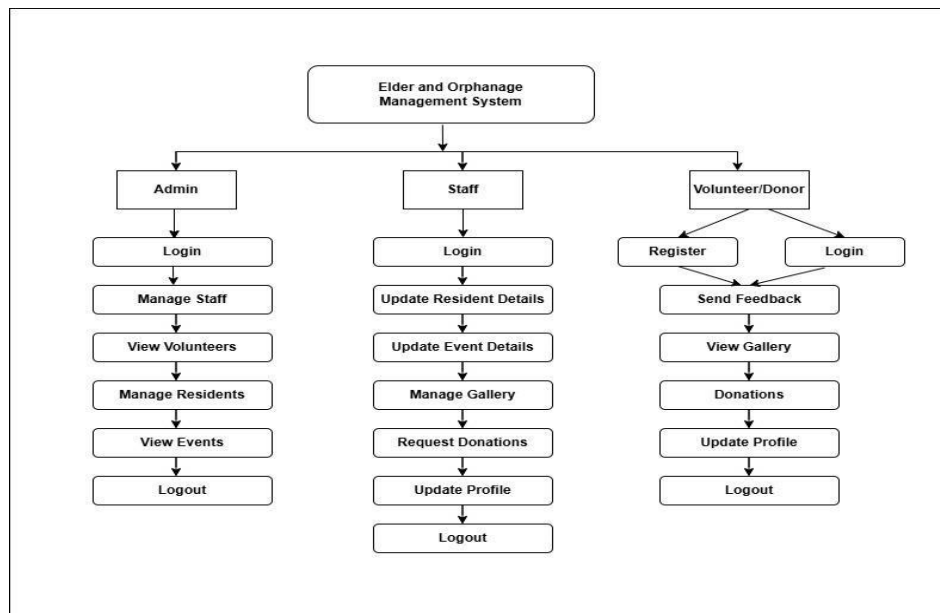
III. PROPOSED WORK

The proposed system for the Elder and Orphanage Management System aims to overcome the inefficiencies of traditional management methods by introducing a modern, digital solution. This system provides a centralized platform with role-based access for Admins, Staff, and Volunteers/Donors, ensuring efficient resident management, information security with role-based access, and user coordination.

Advantages:

- **Better Organization:** Streamlines resident records, donations, and event planning.
- **Secure Data Management:** Protects sensitive information with role-based access.
- **Enhanced Communication:** Bridges gaps between different roles admin, staff, donors, and volunteers.
- **Scalability:** Can be expanded to accommodate growing needs over time.

Design:



The system workflow begins at the login or registration screen, where users can access the platform based on their roles: Admin, Staff, or Volunteer/Donor.

Once logged in, each user can access role-specific functionalities:

1. Admin Role:

- After logging in, the admin can add or manage staff members.
- They can view volunteer details and manage resident information.
- The admin monitors events and can log out after completing tasks.

2. Staff Role:

- Upon login, staff members can update resident details and add event information.
- They manage the media gallery by uploading images and updates.
- Staff can request donations for specific needs.
- They can update their profile before logging out.

3. Volunteer/Donor Role:

- New users register, while existing users log in.
- Volunteers can send feedback and view the gallery.
- They can donate to support the organization.
- They update their profile and log out after completing their actions.

Throughout the process, the database securely stores user information, donations, and event records, ensuring efficient management and a seamless experience for all users.

IV. EXPERIMENTAL RESULTS

The implementation of the Elder and Orphanage Management System has enhanced the efficiency of organizations in managing records for staff, residents, volunteers, and donations. Having a centralized system enabled admins to manage staff and resident records and reduce the manual workload associated with those systems. Staff could now efficiently update the event details, add media to the gallery, post new events, and submit donation requests. Volunteers and donors had improved communications through updates to events and a simple way to provide information and support. In the end, the management system improved efficiency and provided a more organized and structured process for managing orphanages and elder care homes.

- Before logging in, all the users can see the home page of the application, where they can see the application's Login Page, Events Page, About Us Page, Contact Us Page, FAQs Page.

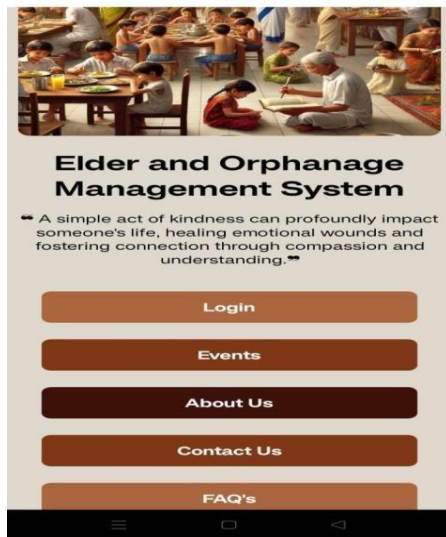


Fig: Home Page

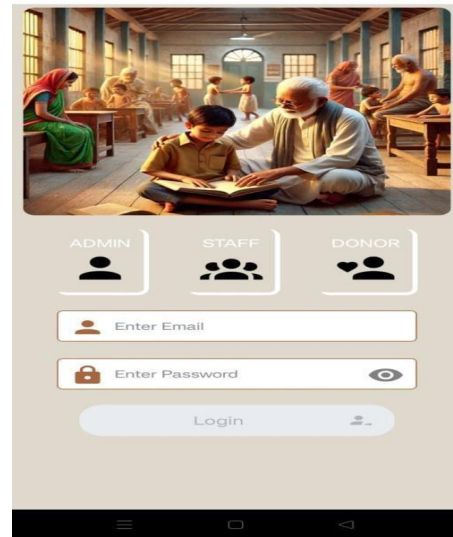


Fig: Login Page

- Login Page is common for all the user roles, where the user can choose his role and log in into his/her account.

The three user roles of this system have the following actions:

Admin Actions:

- After logging in, the admin can manage staff details where he can view, add, and update staff details.
- He can view volunteers' details; He can view events that are created by the staff.
- He can manage resident details, where he can view, add, and update resident details.
- He can view events that are created by the staff.



Fig: Home Page of Admin

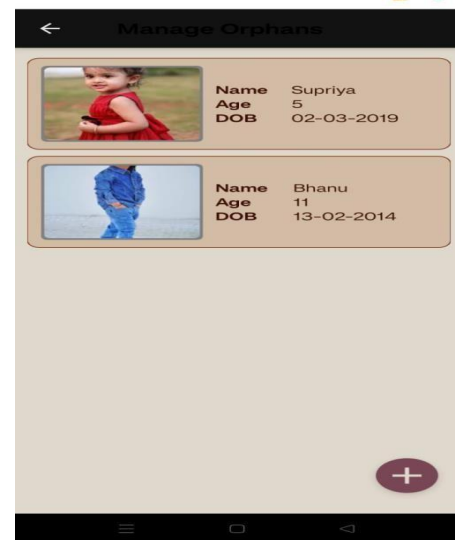


Fig: Manage Orphans

Staff Actions:

- After logging in, the Staff can update resident details along with the family details.
- He can update the event details and manage the gallery by adding and viewing the media related to various events.
- He can request donations from the volunteers/donors.



Fig: Home Page of Staff



Fig: Gallery

Volunteer/Donor Actions:

- A volunteer/Donor can either log in or register in to the application based on the fact that he has an account already or not.
- After logging in, the Volunteer/Donor can send feedback to the events.
- He can view Event Gallery and Make Donations.

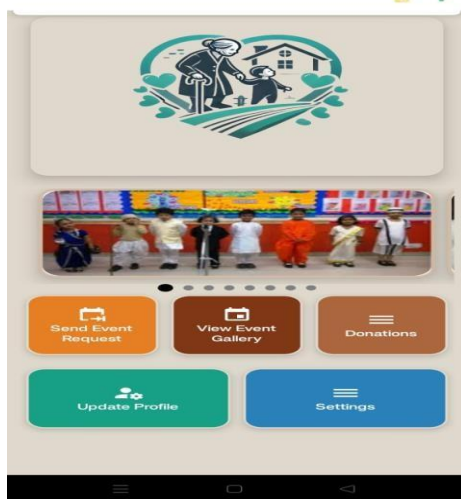


Fig: Home Page of Donor



Fig: Donations

- The Update Profile Page is common for Staff and Volunteer/Donor and the Logout Page is common for all the three user roles.

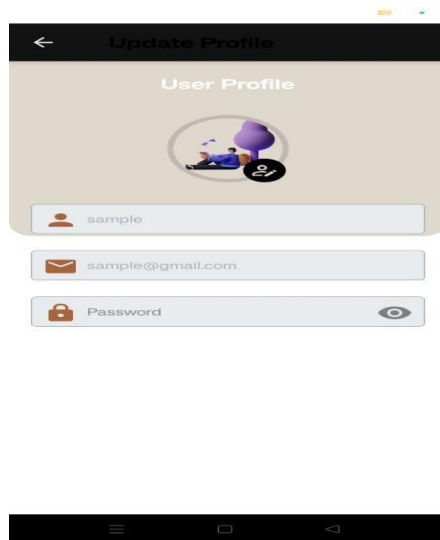


Fig: Update Profile Page

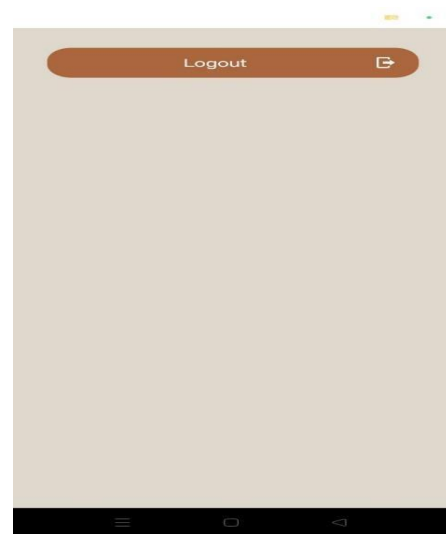


Fig: Logout Page

V. CONCLUSION

The development and implementation of the Elder and Orphanage Management System have significantly improved the efficiency of managing residents, staff, volunteers, and donations. By providing a centralized digital platform, the system streamlines daily operations, enhances coordination, and ensures better financial transparency. Residents receive improved care, staff can easily update records, and volunteers find it more convenient to contribute. The system also simplifies event management and donation tracking, reducing manual workload. While challenges like user adoption and data security exist, regular updates and training can address them. Overall, this system enhances efficiency, transparency, and collaboration, making it a valuable tool for better management of old age homes and orphanages.

VI. REFERENCES

1. Habibullah Ansari Ph D.(2021). "CARE OF ELDERLY IN INDIA: ISSUES AND CHALLENGES". [Here](#)
2. Priya Date, Sanika Malunje, Navale S.K (2022). "ORPHANAGE MANAGEMENT SYSTEM". [Here](#)
3. Senthil Kumar, Kavin Kumar, Ragul Kumar, Rainart Easter (2023). "ADVANCEMENT IN ORPHANAGE SYSTEM". [Here](#)
4. Sharma P., & Kumar S. (2023). "Designing An Automated Orphanage Management System With Event Tracking." Journal Of Social Welfare Systems, 18(2), 123-130.
5. Sheetal Uphale, Rashmi Sarvade (2024). "Orphanage Donation System: Building A Donation Network For Orphans". [Here](#)