

Mini Project

Topic : Child orphanage management system

Project Guide :

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Child Orphanage Management System

Child orphanages play a crucial role in providing care and support to vulnerable children who have lost parental care. This abstract explores the evolving landscape of child orphanage care, focusing on modern approaches, challenges, and potential solutions.

The main objective of this project was to design and develop a new system for managing the information about the orphanages. It helps to store and manage information properly.

It can connect different orphanages in a state. Different donors can register to the website and donate items according to the requirements of the organisation, contribute funds etc. sponsors have an option to select a particular student or students by analysing their talent (example student who have highest academic scores or by conducting other test based on their talent) and then he can sponsor the student.

With the help of artificial intelligence or machine learning we can find missing children with photograph or by using other details.

By incorporating these features, the orphanage management system can become more efficient, secure, and responsive to the needs of the admin and the orphanage community.

Modules

1. Admin

- **Register /Login** : The admin should be able to create an account or log in using secure credentials to access the management system.
- **Chat bot** : Integrate a chatbot that assists the admin by answering common queries and providing information related to the orphanage. This can reduce the workload on admin staff and provide instant responses.
- **Face detection**: Implement facial recognition technology to find children who are reported in missing cases.
- **Ensure security**: Admin ensuring sensitive data is only accessible to authorized personnel.
- **Allow permission to**
 - Donor: contact to orphanages
 - Sponsor: contact to orphanages
- **Resource Management**: Efficient allocation of resources such as food, clothing, and educational materials etc.
- Ensuring that the needs of each child are met appropriately.

- **Notifications and Alerts:** Set up a system that sends notifications and alerts to ensure the services are done properly.

2. Orphanages

- **Register /Login :** able to create an account or login.
- **Child Information Management:** Enter child profiles and records
Maintain individual profiles for each child with personal details, medical history, educational background, and special needs.
Record entry and departure dates for each child.
- **Requirement Management :** Details about study materials, dress, food etc.
- **Health and Medical Management**
Keep track of medical appointments, vaccinations, and treatments for each child , ensure proper care and emergency response.
- **Sponsors Contact details:**
Record information about legal guardians, foster parents, or extended family members involved in the child's life.
Maintain up-to-date contact

3. Donor

- **Register /Login :** able to create an account or login
- **Select district/state :** Donor can choose the district where he wish to donate .
- **Donation Categories :** Categorize donations based on purpose, such as education, healthcare etc.
Access the requirement details of the orphanages (fund, food, dress etc.)
- **Fund Transfer :** Integrate with payment gateways to allow online donation processing securely.
Support multiple payment methods, such as credit/debit cards, bank transfers, and digital wallets.

4. Sponsor

- **Register /Login :** able to create an account or login
- **Sponsor Information Management :** Maintain detailed profiles of individual sponsors or sponsoring organizations.
- **Make request :** To know the details of the children
- **Fund transfer**
- **Choose particular student :** By analysing their talent or academic details

Functionalities adding to mini project

- Admin: Admin can register and login, allow permission to donors and orphanages for accessing child's information and meeting their requirements, resource management , notification and alerts
- Orphanages: Enter child profile and records , Enter their requirements, contact sponsors etc
- Donors: Register and login, access information about the requirements of the orphanage.

Functionalities adding to main project

- Admin
 - Answer queries by using chat bot
 - Face detection with children in missing cases
- Donor
 - Location tracking
- Sponsor
 - Register / Login
 - Select student by analysing their talent