Abstract: Donation Tracking System

Current Situation (Manual System)

Currently, donation tracking processes are handled manually. Organizations rely on physical records, spreadsheets, and offline communication to manage donations, beneficiaries, and services offered. This manual approach results in inefficient tracking of donations, difficulty in managing donor and beneficiary details, and challenges in monitoring the impact of donations. Additionally, there is no centralized system to facilitate services such as child education support, patient treatment, product purchases from the organization, blood donation, or support for elderly individuals in old age homes.

Existing System

In the existing manual system, there is a lack of transparency and accountability in tracking donations and their utilization. Donors have limited visibility into how their contributions are being used. Beneficiaries face difficulties in accessing services due to inconsistent record-keeping. Furthermore, organizations struggle to manage volunteers and employment opportunities for those interested in joining their cause.

Proposed System

The proposed system is an automated Donation Tracking System that will streamline the management of donations, services, and beneficiaries. This web-based platform will enable donors to track their contributions, allow beneficiaries to request services, and provide organizations with a centralized system to manage all donation-related activities. The system will also facilitate employment opportunities for individuals interested in supporting the organization's services.

Key Features of the Proposed System:

- Child Education Support
- Patient Treatment Assistance
- Product Purchase Management
- Blood Donation Tracking
- Old Age Home Support
- Employment Opportunities for Interested Individuals

Input and Output

Input:

- Donor details (name, contact information, donation amount)

- Beneficiary details (name, service requested)
- Product details (product name, price, availability)
- Blood donor details (name, blood group, availability)
- Employment application details

Output:

- Donation reports
- Beneficiary service status
- Product purchase history
- Blood donation availability
- Employment status updates

Users of the System:

- **Admin:** Manages the entire system, including donor and beneficiary details, product inventory, and employment applications.
- **Donors:** Can register, make donations, and track their contributions.
- **Beneficiaries:** Can request services and track the status of their requests.
- **Blood Donors:** Can register and manage their availability.
- **Employees:** Individuals employed by the organization to manage various services.

Modules of the System:

1. Registration Module:

- Allows users (donors, beneficiaries, blood donors, employees) to register on the platform.
- Stores user details in the database.

2. Donation Module:

- Enables donors to make donations and track their contributions.
- Generates donation receipts.

3. Beneficiary Module:

- Allows beneficiaries to request services such as child education support, patient treatment, and old age home support.
- Tracks the status of requests.

4. Product Purchase Module:

- Manages products sold by the organization.
- Allows users to purchase products and track purchase history.

5. Blood Donation Module:

- Facilitates blood donation registrations and tracks blood donor availability.

6. Employment Module:

- Allows individuals to apply for employment opportunities within the organization.
- Tracks the status of employment applications.

7. Reports Module:

- Generates various reports, including donation reports, service status reports, and employment reports.

System Requirements:

Front-End:

- HTML
- CSS
- JavaScript
- Bootstrap

Back-End:

- Django (Python Framework)
- SQLite (Database)

Conclusion:

The proposed Donation Tracking System will automate and streamline the process of managing donations, services, and employment opportunities. It will provide transparency, accountability, and efficiency, benefiting both the organization and its stakeholders. The system's modular design ensures scalability and adaptability for future enhancements.