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**Project Overview: NGO Management System**

**Title of the Project**

**NGO Management System: Making Operations Simple and Effective**

**Introduction**

**NGOs play an essential role in solving social problems and helping to bring about development.**

**Managing donations, volunteers, and transparency issues is challenging without proper tools.**

**This system will make these processes easier with facilities such as log in/register; donation management; payment integrates with several features for NGOs.**

**The aim of this system will be to make operations for NGOs more efficient, transparent, and user-friendly.**

**Objectives**

**Create a secure system for user login and registration.**

**Develop a module that handles donations and integrates a payment gateway.**

**Ensure the transparency of donor records and transactions.**

**Tools to conveniently handle volunteers, track events**

**Build in a user friendly interface to make it easy to use.**

**Scope of the Project**

**What it will include is:**

**Authentication, donation, and registration module.**

**Secure Payment Gateway integration.**

**Managing donors and volunteers database.**

**Basics scaling for adding capabilities like future event tracking.**

**What it does not contain**

**Multi-language support, mobile app development, advanced analytics.**

**Suggested Methodology**

**Research: Investigate challenges of NGOs and know their requirement.**

**Development: Create modules related to login, donation, and volunteer.**

**Testing: Conduct testing of the system for bugs and security loopholes.**

**Deploy: Install it on a local server for a demo.**

**Technology to be Employed**

**Programming Language: C#**

**Framework:.NET Framework**

**Database: SQL Server**

**IDE: Visual Studio 2022**

**System Architecture**

**Is based on client-server architecture :**

**User Interface is developed by Windows Forms in the client-side.**

**Server-side manages data along with payment.**

**Data is being transferred between a client and the server in secure mode.**

**Module Description**

**Authentication of User : Secure login, registration for a user (Admin, Donors, Volunteers)**

**Donation: Tracks the Donations and carries the payment gateway Support.**

**Volunteer management: Allows to register and mange volunteers for NGO's.**

**Dashboard: To display donation trend and volunteer activities.**

**Feasibility Study**

**Technical Feasibility: Tools like Visual Studio and SQL Server are easy to use and suitable for this project.**

**Operational Feasibility: The system will reduce manual work and make NGO operations smoother.**

**Economic Feasibility: The project is cost-effective and uses free or low-cost tools.**

**Expected Outcome**

**A working NGO Management System application.**

**Easy and secure donation management with a payment gateway.**

**Simple volunteer and donor tracking.**

**Improved transparency and efficiency for NGOs.**

**Tools and Technologies Used**

**Software: Visual Studio 2022, SQL Server**

**Languages: C#**

**Framework:.NET Framework**

**Other Tools: Payment Gateway API, GitHub**

**Timeline**

|  |  |  |
| --- | --- | --- |
| **Phase** | **Duration** | **Tasks** |
| Research & Planning | 1 Week | Gather requirements and design the system |
| Development | 3 Weeks | Build core modules (login, donation, etc.) |
| Testing | 1 Week | Conduct unit, integration, and system testing |
| Deployment | 1 Week | Deploy and prepare for presentation |

**Conclusion**

**The NGO Management System will make it easier for NGOs to handle their operations.**

**It will save time, ensure transparency, and improve overall efficiency.**

**Then, NGOs can focus on their core objective of making a positive difference in society.**