



VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

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CSE (IoT and Cyber Security including Blockchain Technology)

PROJECT ABSTRACT FORM

Year: III B. Tech – CSE (CIC)

Date: 26-09-2025

Team No: A11

Name of the Guide: Y. Suresh Assistant Professor, Dept of CIC

Title: “Design and Development of a volunteering platform for an NGO”

Abstract

The continuing growth of non-profit educational institutions has created a pressing need for a comprehensive, centralized system to manage organizational, administrative, and programmatic activities. Traditional methods of handling partner relationships, volunteer coordination, and beneficiary data are often inefficient, prone to error, and lack a unified view. To address these challenges, we propose the development of an integrated Constituent Relationship Management (CRM) system.

The proposed CRM system consolidates key modules for managing the full lifecycle of external partnerships. It streamlines the tracking of potential partners (Leads), formal agreements (Organizations), and crucial contact persons (POCs). The system also introduces dedicated modules for managing and tracking the data of individual children and the volunteers who will serve them. By providing a unified digital platform, this solution enables real-time access for administrators and coordinators through role-based portals, ensuring transparency and efficient communication.

By leveraging modern technologies like cloud computing, mobile applications, and secure payment gateways, this CRM solution provides scalability, flexibility, and enhanced data security. The model not only reduces the administrative workload but also fosters accountability and enhances the non-profit's ability to analyse and report on its impact. Ultimately, the system empowers the organization to deliver better services, improve resource utilization, and to build stronger, more effective relationships with its community.

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