



**Non-Government Organization funding with
Blockchain**

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Problem statement



Problem 1

Traditional intermediary-based systems have potential pitfalls on more than one count: problems relating to reliability, lack of transparency, and operational inefficiency.

Problem 2

Centralized authority systems are prone to hacking, affecting data breaches, hence creating severe security vulnerabilities.

Problem 3

Ineffective records management lacks security, in that data are at risk of being handled in an insecure manner and can cause breaches.

Project Objectives



A transparent system of NGO fundings and operations, fully secured on the blockchain.

Objective 1



Utilize blockchain to remove the need for intermediaries and ensure direct and effective transactions with NGOs.



Objective 3

Allow the reinforcement of data security and integrity in financial records using the decentralized features of blockchain.

Abstract

- Discuss challenges of NGOs with current transaction and funding systems, including inefficiencies and vulnerabilities.
- Introduce Blockchain as a better solution towards more transparency, security, and efficiency in running an NGO.
- Summarize how the proposed methodology will be expected to improve security and give more reliable transactions, stating their expected outcomes.



Introduction

- The NGOs are funded and supported by various Governments as well as independent donors to promote development and aid programs for the growth of society.
- Subsequently, after funding, it becomes difficult and cumbersome to track how NGOs use such donations, and the process itself may result in a lack of transparency.
- More transparency and accountability with regard to NGOs would make them even more independent and allow the general public to trust their activities.

- The transparent and accountable NGOs would set a standard for all and reduce the fraud and mismanagement of funds in organizations.
- Blockchain technology brings along high-level efficiency along with the elimination of intermediaries, hence it may disrupt most major industries across the globe.
- Blockchain will inject two elements, transparency and accountability, into the activities of NGOs as they are imprinted on the ledger.



Literature Review

The role of blockchain technology-based social crowdfunding in advancing social value creation

1

NGO Data Protection using Ethereum Blockchain Technology

2

Blockchain in Service of NGOs and Charities

3

Creating Transparency and Accountability in Non-governmental Organisations Using Blockchain Technology

4

The role of blockchain technology-based social crowdfunding in advancing social value creation

5

NGO MANAGEMENT SYSTEM USING BLOCKCHAIN

6

Smart Donations: Event-Driven Conditional Donations Using Smart Contracts On The Blockchain

7

A Study of Private Donation System Based on Blockchain for Transparency and Privacy

8

TECH STACK USED



- **Front-End Tools:**
HTML, CSS, React.js, Bootstrap
- **Back-end Tools:**
Node.js, Solidity, Express.js
- **Database:**
MongoDB
- **Development:**
Hardhat



References:

- <https://ieeexplore.ieee.org/abstract/document/9051328>
- <https://projectabstracts.com>
- <https://www.studocu.com>
- <https://scholar.google.com/>
- <https://github.com>

Conclusion

- With blockchain, NGO transactions can be effectively secured, guaranteeing increased data transparency and integrity while reducing fraud risks.
- It can be diffused in the nonprofit sector, enabling the reach for better accountability and efficiency.
- Future research should focus on practical ways of deploying scalable blockchain and removing the barriers standing in the way of its adoption.

Thank you