

Decentralized Blockchain Platform for Transparent and Accountable Aid Distribution Under Cover of DAO and AI Governance via Government Identity Verification

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November 28, 2024

Overview

- Problem and Necessity Definition
- Solution - Model
- Unique value
- Widespread Impact
- Project Team - Roles
- Work Packages

Problem and Necessity Definition

- The aid that will be provided does not reach those who are truly in need...
 - The decrease in donations made due to the decrease in trust in central aid organizations...
 - The weakness of the prioritization mechanisms of the aid provided...
 - Uncertainty of ensuring accountability and direct aid allocation...
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- For these reasons, it is necessary to record the donations made and the places where these donations are spent in an unchangeable, transparent, and accountable manner on a platform with a priority mechanism.

Solution - Model

- Due to those inefficiencies; the project idea to consist of blockchain platform, DAO and AI Governance, and government Identity Verification was developed as a solution.

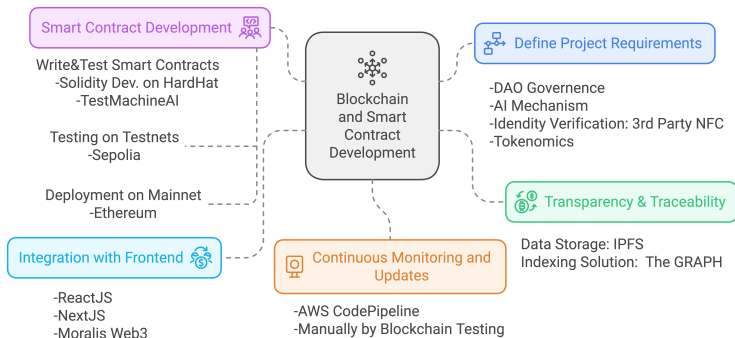


Figure: System Architecture

Solution - Model

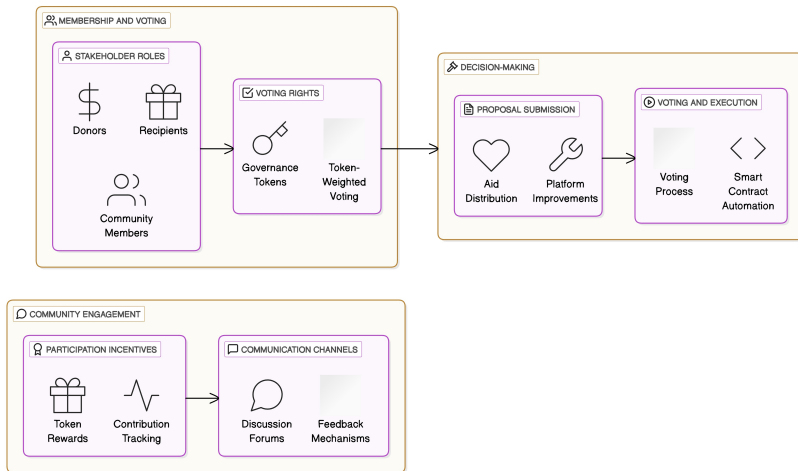


Figure: DAO Mechanism Architecture

Solution - Model

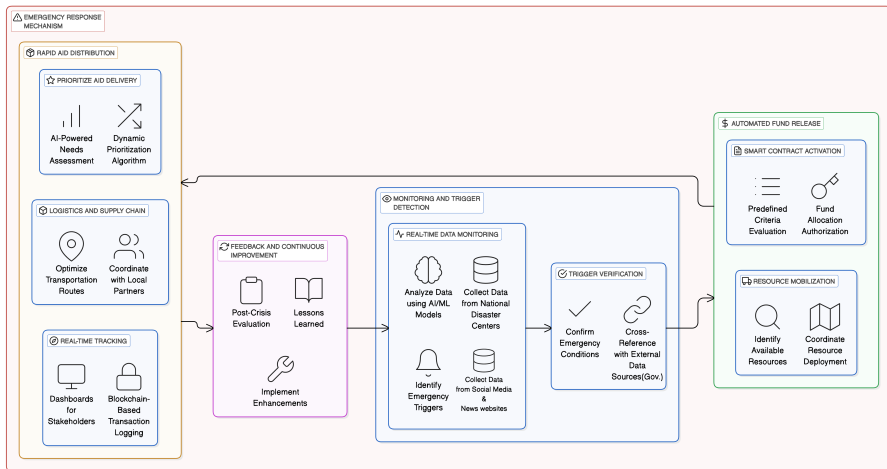


Figure: AI Mechanism Architecture

Solution - Model

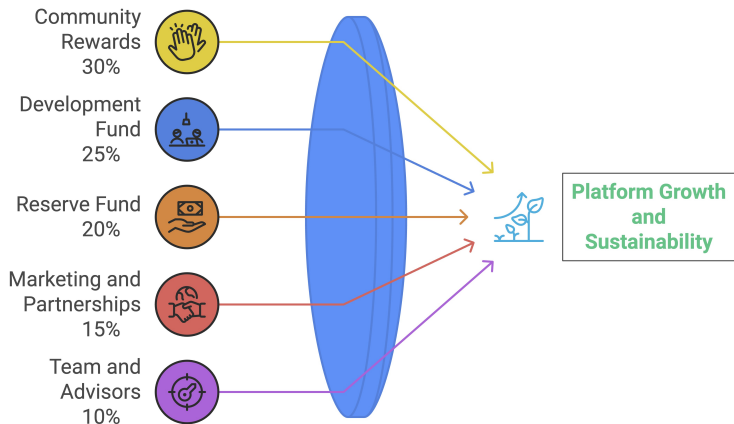


Figure: Tokenomics

Unique value

- The unique value of this project is that it replaces centralized systems and offers a more transparent and accountable aid distribution mechanism.
- The project encourages stakeholders (donors, recipients, and community members) to participate in decision-making processes by providing governance through the DAO structure.
- The integration of the government authentication system ensures that aid reaches the right people.
- The transparency and traceability provided by Blockchain technology allows for the secure storage and auditing of every transaction record.
- Machine learning algorithms help identify needs during natural disasters or social crises, enabling the dynamic aid prioritization system to work more effectively.
- The ability of machine learning algorithms to predict which communities need the most aid by analyzing historical data can make aid distribution more targeted and effective.

Widespread Impact

- The widespread impact of the project is that it enables better needs identification and more efficient use of resources through a dynamic aid prioritization system supported by real-time data.
- The project can also aim to create a wider impact area by collaborating with NGOs and local organizations.
- AI can increase the widespread impact of the project, making aid distribution processes smarter and faster. Real-time and historical data analysis and forecasting capabilities enable rapid response mechanisms to be activated in emergency situations. In addition, AI-powered systems can analyze community feedback to determine which types of aid are more effective.

- Remzi BULUTLU: Project Owner/System Designer/Developer

Work Packages

WP No	Work Package Name and Objectives	Who will Implement it	Time Range (... Weeks)	Contribution:
1	System Infrastructure Setup and Blockchain Integration	Remzi	1-4	Establishing the system infrastructure and completing the blockchain integration. Contribution: 20%
2	DAO Governance System and Smart Contract Development	Remzi	3-5	Establishing the DAO structure and testing/finalizing the smart contracts. Contribution: 25%
3	AI-Based Needs Analysis and Forecasting System Development	Remzi	3-6	Developing and testing the AI algorithms. Contribution: 30%
4	Government Authentication System and User Interface Integration	Remzi	6-8	Integrating the authentication system and developing a user-friendly interface. Contribution: 15%
5	Dynamic Aid Prioritization and Reporting System Implementation	Remzi	4-8	Implementing the aid prioritization algorithms and developing reporting tools. Contribution: 10%

Thanks. QA...