

# Memo

**To:** Voting DAO & Funding Pool Web3 Decentralized Blockchain System

**From:** Eskandar Atrakchi

**CC:** Yours

Date: 25th/April/2025

Sybject: Proposal and Business Case for DAO-Based Voting System

# Purpose of the Memo

This memo gives details about the business case idea behind the project and the implementation plan for a decentralized voting and funding platform using blockchain and DAO concept, it spots the problems with the current systems, proposes an implementable solution, and summarizes the expected outcomes.

# Background and Context

The current systems are centralized and inefficient as they suffer from lack of transparency and depend on trust not verifications. The DAO is an opportunity to rebuild governance using blockchain in trustless democratic system.

# Project Overview

I propose web3 voting and funding system leveraging Ethereum smart contracts using solidity, non-token weighted and mechanism similar to quadratic voting with tools like MetaMask, my goal is to build a secure, scalable, and transparent system.

# Key Component

* Smart contracts coded in solidity
* Voting models: non-token weighted, quadratic voting
* Frontend: Next.js with web3 support
* Tools: hardhat, IPFS, ethers.js
* Security: code audits, Openzeppelin

# Expected Benefits

* Quantitative: cost saving on current web2 governance, project 20% IRR, positive NPV over 2 years therefore, the ROI will be +%
* Qualitative: Greater transparency, decentralized, trustless system

# Risks and Mitigation

* Smart contracts bugs: use of Openzeppelin and audits
* Low voter turnout: User incentives, UI/UX optimization
* Sybil resistance: explore identity-linked models with soulbound tokens ZK

# Next Steps

* Deploy on test net to gather community feedback
* Integrate snapshot for gasless off-chain voting

Note: I will use the memo to create a presentation, refer to the presentation for more information.

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| 📄 Memo | 🎯 Presentation |
| In-depth analysis | Visual summary |
| Formal, structured text | Bullet points & diagrams |
| Background, research, data, and decisions | Clear takeaways for discussion/pitch |

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**Location:** [Street Address](https://maps.app.goo.gl/ZfC7gizsqDgeKquw7)