

IDEATION PHASE

Date	04 NOVEMBER 2023
TeamID	NM2023TMIDO2239
Project Name	Electronic Voting System
Maximum Mark	4 Mark

DEFINE THE PROBLEM STATEMENT

Electronic voting systems have been used since the 1960s, but they have faced issues such as vote rigging, hacking, and election manipulation. Blockchain technology has been proposed as a solution to these problems, as it can provide a secure and transparent way to conduct elections. However, there are still challenges that need to be addressed in the development of blockchain-based electronic voting systems. Some of the key problems that need to be solved include:

- **Transparency:** Voters need to be able to verify that their vote has been recorded and counted correctly.
- **Security:** The system must be tamper-proof and resistant to hacking or other attacks.
- **Verifiability:** The system must allow for auditing and verification of the results.
- **Efficiency:** The system should be reliable and run at the highest possible performance to let remote voting be synchronous.
- **Anonymity:** The system should ensure the privacy of the voter while still allowing for verification of the vote.
- **Accessibility:** The system should be accessible to all eligible voters, regardless of their location or physical abilities.

EMPATHIZE & DISCOVER

An empathy map for e-voting using blockchain can help understand the needs and behaviors of users, including voters, election officials, developers, and blockchain experts.

The empathy map for e-voting using blockchain highlights the need for a system that is secure, transparent, and easy to use for all stakeholders involved in the voting process. By understanding the needs and behaviors of users, developers can design and build a system that meets these requirements and ensures the integrity of the voting process. The pain points and gains identified in the empathy map can help guide the development of the e-voting system and

ensure that it meets the needs of all stakeholders.

Empathy Map for e-voting using blockchain

