

e-Voting 2.0: An authenticated Blockchain based voting system

Problem Statement

- The Traditional Voting System faces challenges such as security, transparency, efficiency, voter trust. In the current voting system,
 - voter records include a single person with multiple EPIC ID which technically means that the person is eligible to vote multiple times.
 - Voter's distrust that "Is their vote casted and counted correctly?".
 - Current methods of verifying voter identification is a critical concern as these methods can be misused leading to fraud in electoral fraud and reducing confidence in democratic process.
 - In spite of being the world's largest democracy, India continues to face challenges in ensuring a fully transparent, secure and tamper-proof voting system.
- India's Voting System demands faster, secure and end-to-end verifiable mechanisms that ensures transparency, and scalable public trust in order to overcome challenges such as VVPAT counting delays, fake voting, lack of auditability, logistic complexity and lack of remote access, high dependency on human handling/manual process.