

Swadheenta - Hack Infinity

Problem Statement:

A decentralized platform to ensure secure and transparent voting systems built using BlockChain

A voting platform's integrity and security are among the foremost requirements of any voting system. Currently, voting is done worldwide using either ballot paper or EVM. These systems are not tamper-proof. These loopholes can be exploited to manipulate election results.

Project description:

DVote is a decentralized e-voting system that keeps security and identity concealing as the primary requirements of the system.

Built on the Ethereum blockchain ecosystem, this system ensures various important functionalities of voting and elections as specified by the Election Commission of India. This system provides ease of use with an interactive mobile-based interface without the hassle of traveling to a polling booth.

Because of the distributed structure of the blockchain, a smart contract-based electronic voting system reduces the risks involved with electronic voting. It allows for a tamper-proof for voting system.

Progress

- Learned the underlying technology regarding Ethereum and Smart Contracts
- Created dummy accounts on the localized test development environment Truffle Ganache using MetaMask
- Wrote and deployed Smart Contract written in Solidity