BLOCKCHAIN BASED VOTING WEBSITE:

It's a website that basically uses blockchain to count the votes of citizens using smart contract. Suppose you are an eligible voter who goes to polling booth and cast vote using EVM (Electronic Voting Machine). But since it's a circuitry after all and if someone tampers with microchip, you may never know that did your vote reach to person for whom you voted or was diverted into another candidate's account? Since there's no tracing back of your vote. But, if you use blockchain- it stores everything as a transaction that will be explained soon below; and hence gives you a receipt of your vote (in a form of a transaction ID) and you can use it to ensure that your vote has been counted securely.

Requirements:

- NodeJS: Node.js is an open source server environment.Node.js uses JavaScript on the server.All code written are run using NodeJs
- Truffle Framework: Truffle framework is designed for the smart contract developer to deploy and test their contracts using some basic commands. Truffle provides the following feature set to the developers: Built-in smart contract compilation, linking, deployment and binary management. Automated contract testing for rapid development.
- Ganache: Ganache is used for setting up a personal Ethereum Blockchain for testing your Solidity contracts.
- Metamask Extenstion: Metamask is a cryptocurrency e-wallet that can be installed on any web browser as an extension. The blockchain-based crypto wallet, which also functions as an application programming interface (API), is suitable for and can be connected to any Ethereum-based decentralised applications.
- Visual Studio Code(or any editor) with ethereaum package control: Blockchain Development Kit for Ethereum v1.6.2 Microsoft

Team Mates:

Dhanraj(4NM18IS039)

H Swasthik Somayaji(4NM18IS044)

Balebail Varun Achar(4NM18IS025)