TECHNICAL TEST

Test time is **2x24Hours**

Voting system

1. Develop smart contracts in the Ethereum blockchain to support the following use cases.
2. Provide instruction on how to deploy and test the smart contracts.
3. Develop frontend user interface using react/vue js
4. Integrate smart contract with frontend user interface
5. Share your git repository with us.

Problem statement:

Electronic voting systems have replaced paper-based systems, but even now, people doubt the voting system's ability to secure the data and defend against any attacks. The blockchain-based system can ensure transparent and publicly verifiable elections in the country. If implemented successfully, voting can be done using an application that is attached to a blockchain system.

Acceptance criteria:

- The owner of the contract can input one or more choices to be voted by people.
- The owner of the contract can specify the start time and end time for the voting period.
- A voter can vote for any choices set by the contract owner during the voting period.
- A voter can only vote once during the voting period.
- The smart contract can return the number of votes for each choice.

Point plus :

- Unit test for the smart contract.
- Anyone can set up a voting system through the same smart contract.
- After the voting period, pick a random voter from the highest voted choice, reward him with 0.1ETH.