# Decentralized Voting System



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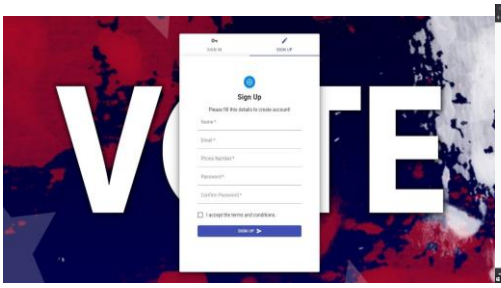
| **Name of the Students** | **1. Shashi Kumar (17ETCS002227)**<br>**2. Ayush Prajapati (17ETCS002040)**<br>**3. Sandeepan (16ETCS002307)** | **Department of Computer Science Engineering (2017 Batch)** |
| **Academic Supervisor(s)** | **Mrs. Santoshi Kumari** | |
| **Industrial Supervisor(s)** | | |



**Keywords:** Decentralized, Blockchain, Smart Contract, FastAPI, EVM, Anonymity, MongoDB and Face Recognitions.

**Abstract:**
Election is a very important event in a modern democracy but large sections of society around the world do not trust their election system which is major concern for the democracy. Even the world's largest democracies like India, United States, and Japan still suffer from a flawed electoral system. Vote rigging, hacking of the EVM (Electronic voting machine), election manipulation, and polling booth capturing are the major issues in the current voting system. In this paper, we are investigating the problems in the election voting systems and trying to propose the E-voting model which can resolve these issues. Also this article aiming to evaluate the application of blockchain as service to implement distributed electronic voting systems. The section of paper will highlight some of the popular blockchain frameworks that offer blockchain as a service and associated electronic E-voting system which is based on blockchain that addresses all limitations respectively, it also preserve participant's anonymity while still being open to public inspection.

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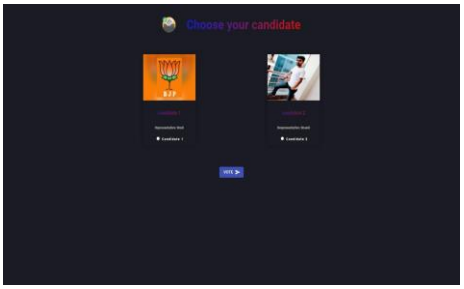
**Face Recognition**




**Candidates list and select their candidate**

**Conclusion:** The transparency of the block-chain enables more auditing and understanding of elections. These attributes are some of the requirements of a voting system. These characteristics come from decentralized network, and can bring more democratic processes to elections, especially to direct election systems. For e-voting to become more open, transparent, and independently auditable, a potential solution would be base it on blockchain technology.