**Problem statement to solve using blockchain**

* **What is the problem ?**

The problem that arises after every election, is that a lot of issues are brought up by people regarding the fairness of the voting system.

* **What is the solution ?**

The solution to this is, we will be creating a private Ethereum blockchain, where each system in the network will act as a node. After creating a private network that will share this blockchain, we will be adding external node to it for checking our decentralized voting system. Voter needs to enter his/her credentials in order to vote. All data is then encrypted and stored as a transaction. This transaction is then broadcasted to every node in network, which in turn is then verified. If network approves transaction, it is stored in a block and added to chain. This block can neither be tampered or manipulated, i.e. the voter can view the results soon after voting and can be traced back.

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