Modern Secured Digital e-Voting & Analysis

In these challenging COVID-19 times, the question on how to deal with the upcoming elections while maintaining proper social distancing norms has already been raised by several voices. We have been listening since ages that e-Voting is the future of election but now we're right in that future, and that's our need too. So, we came up with an easy and secured e-Voting system named "***Modern Secured Digital e-Voting & Analysis***" aka "***MSDEA***".

It is a web-based application. So, fundamental features related with web-based technologies such as client server and database properties determine the software requirements of this system.

- ***Frontend***
  HTML, CSS, JavaScript
- ***Backend***
  Flask (web framework written in Python), SQLAlchemy (Python SQL toolkit and Object Relational Mapper)
- ***Database***
  MySQL (an open-source relational database management system)

Working:

MSDEA allows member to login with their credentials and securely log one vote, we ensure that each vote is transmitted securely without revealing the voter details.
It also allows the concerned authority to manage the Candidates, Voters and other things through the specially designed Admin Panel.

Conclusion:

MSDEA presents numerous advantages over traditional voting system. In the initial stage there will be of course a little cost for planning and introduction. But, in the long run and with a widespread introduction, this e-Voting system will lead to a new revolution in elections, and many cost savings too.