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**Domain Name:** Political

**Project Title**: Election Management System

**Election Management System Project Abstract:**

Election Management System creates and handles details regarding polling and election which will enable all citizens (voters) to cast their vote via this system. Database consisting of records and details of the citizens (voters) and candidates who are eligible to vote are maintained by the system.

**Existing System:**

In the current context, voting is done using ballot paper and counting is done manually. This manual system is very uneconomical, requiring large manpower and it takes a lot of time. Possibility of invalid or fraud votes cannot be ruled out in the current voting system.

Fundamental right to vote or simply voting in elections forms the basis of democracy. The conduct of periodic, competitive, participatory, credible and non-violent elections is one of the main yardsticks used to determine the democratic condition of a state. In India, elections have been conducted using the manual system but these elections using the manual means have been marred with a lot of electoral malpractices and hitches. This includes violent attack on the voters, result manipulations, vote buying, remoteness of polling centers etc. These are enough reasons that necessitate the design and construction of an electronic voting system that goes a long way in addressing most of these problems. The e-voting system aims to eliminate the bottlenecks evident in the manual voting system such as the lengthy registration process, unnecessary transportation, election violence and ultimately the incredibility of the votes. This was achieved by developing a time effective registration platform which registers a voter. The results obtained from subsequent tests were very impressive in terms of time, security and accuracy as compared to the manual system.

**Proposed System:**

This Election Management System will help you manage your elections easily and securely. This system sack of high performance, high security and to reduces the fake votes to the Election system. This voting system can be used for casting votes during the elections held in colleges, etc. In this system the voters do not have to go to the polling booth to cast their vote. They can use their personal computer to cast their votes. There is a database which is maintained in which all the name of the voters with their complete information is stored. The System Administrator registers the voters by simply filling a registration form to register the voters. After registration, the voter is assigned a unique voter ID with password which he/she can use to login to the system and can select his/her favorite candidates to cast the vote. If invalid/wrong details are submitted, then the person is not registered to vote. Users can enter choice as per performance and can see total votes and leading candidate.

It saves time and avoids errors such as invalid votes and miscalculation of votes. The election process is easy, and this system proves to be much economical, compared to the manual system.

**Conclusion:**

1. Online Voting System project aims to increase the voting percentages across the country; with the proposed system, people outside their hometown can also cast their vote.
2. It allows us to set up a flexible and trustworthy voting system.
3. Applicable for large as well as small group of people e.g., a batch, a class.
4. Keeps a record of every voting process.

**Identity the Entities in the Project: -**

1. Login
2. **Candidate management**
3. Add New Candidate
4. View All Candidate
5. Search a Candidate
6. Update a Candidate Data
7. **Voter Management**
8. Add New Voter
9. View All Voter
10. Search a Voter
11. Update a Voter Data
12. **Election Voting**
13. Voter Login
14. **Cast the Vote**
15. **Result**
16. Voter count
17. Winner
18. Change Password
19. **Logout**

**Attributes on the Entities: -**

* Login --- User id, Password
* Candidate—ID, Name, Age, Gender, Mobile, Address, Pin Code
* Voter--- ID, Name, Age, Gender, Mobile, Address, Pin Code
* Election Voting---- Voter User ID, Password
* Result-- vote count, Winner