Title   : Project Proposal for **Online Election System**

Course   : Object Oriented Programming 2 [C]

Group No   : 8

Group Members :

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Propose To:

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Description:

In our country elections play a crucial role in everybody's life as our country is a democratic country. Valuable votes are often lost in the bid. Governments can be encouraged to adopt the voting system to an online space so that no matter where you are, you can cast your vote securely. This system which is named as Online Election System, would have Candidate registration, document verification, auto-generated User ID and password for candidate and Voters. Admin Login will be handled by Election Commission. Candidate Login will be handled By Candidate. Voters will get Unique ID and Password, using which they can vote for a Candidate only once per Election. The software system allows the Candidate to login in to their profiles and upload all their details including their previous milestone onto the system. The admin can check each Candidate details and verify the documents, only after verifying Candidate's ID and Password will be generated and faulty/fraud accounts will be deleted. The software system allows Voters to view a list of Candidates in their area. The admin has overall rights over the system and can moderate and delete any details not pertaining to Election Rules.

Benefits of the proposed system:

- Online voting machines are cost effective and economical. In the paper ballot, the amount of raw material used is higher. It directly impacts the environment as paper ballot uses papers to cast votes.

- This is a fast and easy way of conducting election

- Voters will be able to view background of each candidate with details

- Candidate can present themselves towards voters

- Admin will be able to verify the documents and details of Candidate and Voters

- System will generate Unique ID and password which gives more Secure Logins and voters will be able to cast one vote per election.

- Result can be out after 2 hours of Election.

System Features:

Candidates:

- Candidate can register, submit their details and get verified

- They can login and manage their profile

- They can see how many votes they are getting during election

Voters:

- Every single voter can login and check every candidate details.

- They can manage their profile and choose whom to vote.

- Voters will see a list of Candidates in his/her area in the system

- On election day they can vote for a Candidate only once per Election

Administrator:

- Administrator Login will be handled by Election Commission

- The administrator can check each Candidate and voter details and verify the
  documents

- The administrator can ban any candidate/voter from election if they give
false information

Project Entity Description: (Fields & Methods)

This Project is going to contain three entity or users.

- **Candidate**
- **Voter**
- **Administrator**

Candidate:

Fields:

- NID submission
- Information
- Position
- Registration

Methods:

- post works()
- upload documents()
- edit profile()
- upload sign/symbol()

Voter:

Fields:

- NID submission
- Information
- Registration
- Unique login ID
- Password

Methods:

- check candidate()
- vote()

Administrator:

Fields:

- User Name
- Password

Methods:

- verify()
- moderate()
- delete()
- collect vote()
- set party()