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Online Voting System

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Abstract: The main moto of this project is to focus extremely on handling voting, and its candidates, voters, etc. Also, this project shows all the accessible data of voting like number of votes, voters, and non-voters. Also, it is designed to function in a way such that it permits candidates by submitting their name, script and picture. The project is parted into two parts: Admin Panel and Voters Panel. In regard with this web application, the admin can totally use the system. The admin has the authority to test every particular aspect of the project. To conduct the process smoothly, an admin should to provide a title and opt possible candidates. Here, the system contains certain prerequisites such as the admin must opt more candidates to participate. According with voters account, the admin should arrange them by providing unique name and username respectively.

I. INTRODUCTION

The Online voting system which can be called as e-voting is a word that describes the various kinds of voting consisting both electronic ways to count votes. Electronic-based voting technique actually includes cards which are punched, eye scan voting systems and special voting kiosks. Also includes, passing of ballots, votes via telephones, private computer connections and the web. The electronic way to select desired candidates via a web-driven application is OVS. The profit of online voting compared with the usual "queue method" is that the voters get the relaxation of voting of their own possible time and a possibility for minimized congestion. It also decreases errors of vote count. All votes are stored to a database that can be verified to know who for a given post acquired the greatest number of votes. This system is focused towards maximizing the vote count in Nepal since it was noticed that with the usual voting (Queue-System), the voter turnout was a pressing case. With action, including confidential security, chances of duplicate votes cannot be obtained. According to "ONLINE VOTING SYSTEM", a voter may cast their vote online with no difficulties. People usually need to login as a voter prior being allowed to cast vote. The login procedure must happen prior to the release of voting date to add data inside the database. Anyway, not everyone can cast their vote. For a person to take part in an election, the rule of procedure criteria needs to be fulfilled. For instance, voter has to be a registered native i.e., should be 18 or more years old. As mentioned earlier, this project 'Online Voting' accounts for fast and easy voting and entrance for this system is only to official voters. Electronics based voting systems are best for various reasons that include; Citizens are getting accustomed to computers to basic tasks, such as shopping and online banking and they benefit people to vote who are far away from their native place, helping to reduce absent rate

II. PROBLEM DEFINITION AND STATEMENT

There has been a lot of material written on internet voting in recent years. While online voting has been the subject of recent studies, attempts are being done to make the system safer. The use of unsafe Internet and the security breaches that occur have lately been reported. As a result, the primary concern now is to address security breaches such as denial of service attacks. The entire voting procedure will be more cost effective thanks to our voting system. Our polling system will provide an immediate and unbiased result. Our voting system will aid us in maintaining voter records. Furthermore, our system is quick.

III. OBJECTIVE AND SCOPE OF PROJECT

The major objective of this research is to take a step forward in the development of an online voting platform by ensuring that the necessary security requirements are met. The goal of this research is to make voting more convenient, time-efficient, and secure. The use of an online voting system eliminates the possibility of fake voting that can occur in traditional voting systems. As we all know, many organisations have elections for positions such as "Chairperson, Secretary, Organizing Manager," as well as for small adjustments in working conditions. In that instance, internet voting can be quite beneficial in conducting the vote. People can vote from anywhere in the world. As colleges have elections for positions such as President, General Secretary, and other management roles for students in various college clubs such as IEEE, Robotics, and other management positions, an online voting system can be used to easily handle these types of elections.

IV. PROPOSED SYSTEM

"ONLINE VOTING SYSTEM" is an web-based voting method. Here the system and people working at an organization and those who take part in election can cast their vote online excluding opting any physical voting center. The database is maintained in a way all the details of voters with their IDs are stored. A voter can use the voting privilege online with the "ONLINE VOTING SYSTEM". "A person has to inform first to cast the vote. Slot allotment is actually carried by the system admin for security reasons. The system Admin registers the voters on an exclusive site in the system which is verified by him only by casually filling details of voters and Voter IDs to register vote. After the authentication of employees at the organization is done verified by the system admin by understanding their initials submitted and those in initial databases like Registrar for Persons, the national is then considered as a voter. After this, they can use to the system and exercise services given by the system like voting. If improper details are given, then the individual may not be permitted to vote.

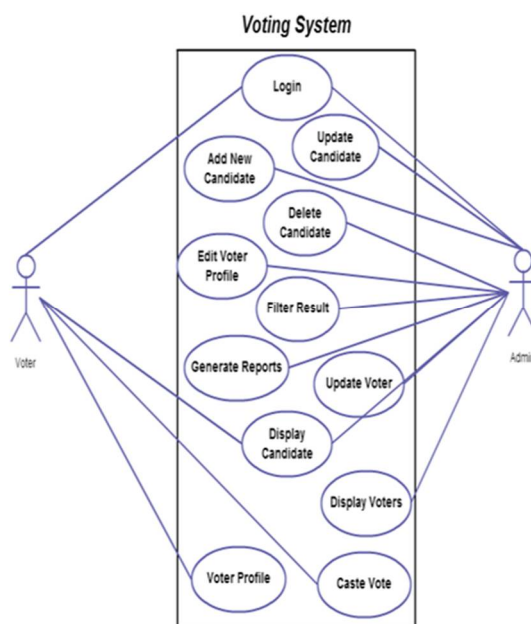


Fig.1: Use-case Diagram

V. OUTPUTS

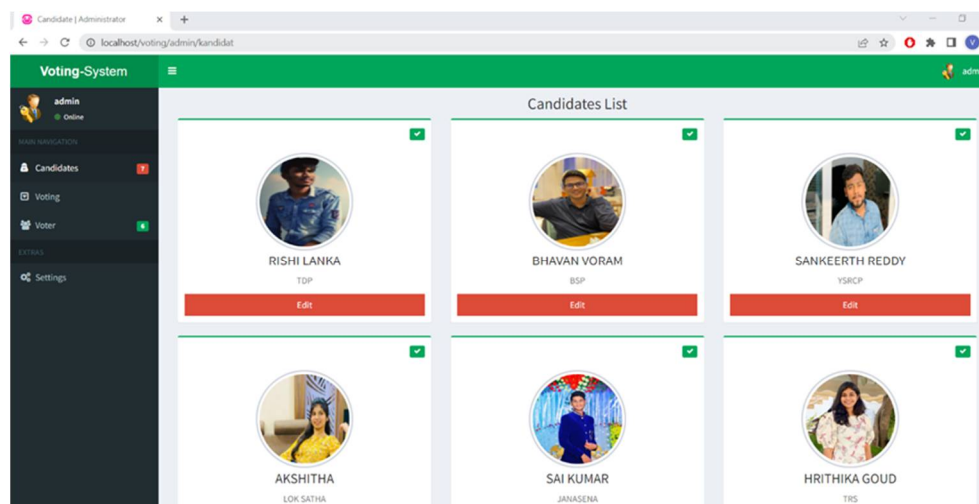
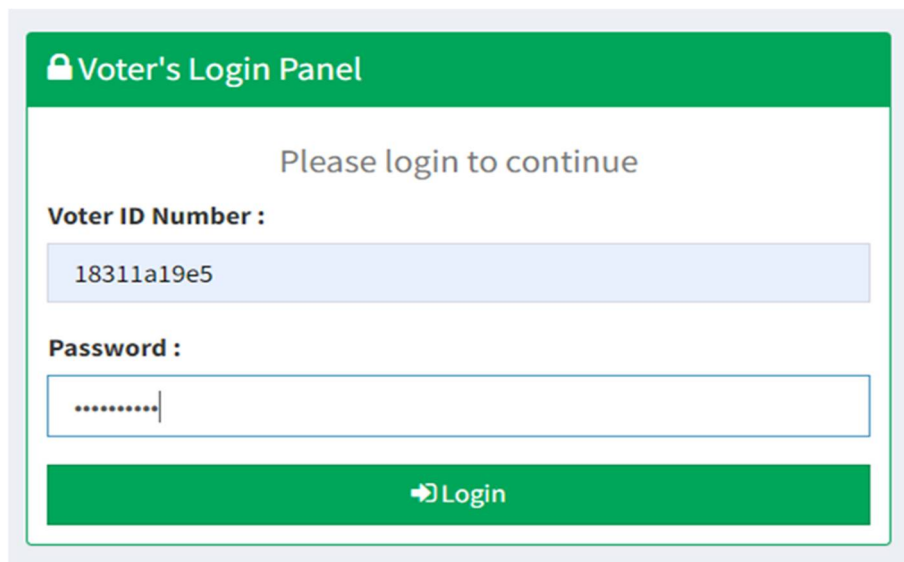


Fig 2: Admin Portal



Voter's Login Panel

Please login to continue

Voter ID Number :

18311a19e5

Password :

.....

Login

Fig 3: Login Portal

VI. CONCLUSION & FUTURE SCOPE

Voter's entire information will be handled by this Online Voting System, which also benefits them to login and perform mock tests about the voting procedure. Complete voting features will be in the system. Also adding, utilities to track vote count for each part and individual candidate count for each party. The admin handles a database which consists entire details of voters and their basic necessary information. Voter after registering their information in the data storage, when someone wants to vote, they need to login using their unique email and password to cast vote for any candidate of any party. The outputs of the voting are analyzed and saved in a database. The overall proportion of the voting through online has been incremented. Cost and duration are minimal with type of voting. This is easy and less time-taking. Errors can also be corrected very easily. Project's main motive has been tested. The objectives which were planned were observed and results were favorable. Two factor authentication is a feature amongst few which can be applied in the future. Though the user needs were acquired, the app isn't completely used due to the website's users are constantly studying its advantages and how it performs. Hence, once the user gets accustomed about the performance of the system, it can be enhanced in the future also.

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