

# Online Voting System

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**Abstract**— The Project is developed for the threat free and user oriented Online Voting System. The Online Voting system is made for the people of the country residing around the world and wants to vote for their representative. The election can be conducted in two ways the paper ballot election and the automated ballot elections. The automated ballot elections are called the electronic voting. The online voting system is highly developed and the online polling system can be replaced by accurately and directly voting online and immediate results. The online voting system is done by the internet so it can be called the Internet Voting.

**Keywords**— Students' Online Voting, Students, Delegates, Candidates, Student Online Voting System (SOV).

## I. INTRODUCTION

The online voting system is the system that aims in reducing the complexity and cost of the election process. Here the voter can vote in spite of his absence in the particular locality. The administrator's effort is much reduced by checking the election status of all the localities individually forms a place and it is easy for him to announce the election result. The administrator is the soul controller of the online voting system in all process including refreshing the votes, editing the voter details, creating new nominee and so on. This the online voting system can reduce the cost and effort of election process.

The purpose of this system is to describe the behaviour of an online voting System, named Online Voting System.

This system provides an online tool for the clients to vote. In this system there will be two main pages to be able to access: Admin page and Voting Page. From the Admin page administrator will be able to design the voting application. From the Voting page clients will be able to open their election pages and vote for the candidates. According to the login credentials, system will determine if the user is Administrator or the user and open the pages given access to the user credentials.

From a technical viewpoint the elections are made up of the following components:

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calling of elections, registration of candidates, preparation of polling list, voting (a subset of which is e-voting).

Counting of votes the advancement made in technology over the past few years is astounding. The computer alone has progressed at a remarkable pace, and updates are continually occurring. Along with the progress of the computer comes the transformation of the virtual world. The Internet is a fairly recent concept that has profoundly affected our daily lives. As with anything new the Internet possesses various mysteries. Research is being conducted to determine the possibilities of on-line voting. Internet voting opens the door to all sorts of possibilities for our state voting future.

Therefore, voting is a means of selecting or choosing leaders, it does not apply only to local government, states and the federal government of Nigeria but also in different institutions and social organization. The conduct of elections in a democratic society is very important not only because through it a change of government is effect but also because voting is the main form of political participation for most people. For democracy to be sound, it should be anchored on election free from fraud.

Over the years, the voting operation has been put under a manual system of operation which mostly results in inaccuracy and ineffective election. It is gradually being realized that a much faster accurate, effective and efficient system is needed to be adopted. Here on-line is to be instituted to handle voting.

## II. NEED OF PROJECT

The need of this project is that it provides the facility of voting in online mode. For the people who live far away from the election centre or who live in foreign countries, our project will fulfil the need of voting of the people. It will also helpful for election centres. The work of admin will decrease. The load will decrease. Due to this online voting system, work of election committee or admin become easier.

## III. LITERATURE REVIEW

All computer scientists who have done work in or are interested in electronic voting seem to agree that online voting does not meet the requirements for public elections and that the current widely-deployed voting systems need improvement. Voting on the Internet has disadvantages based on the areas of secrecy and protection against coercion and/or vote selling. Voting on the Internet using everyday PC's offers only weak security, but its main disadvantages are in the areas of anonymity and protection against coercion and/or vote selling. It's such a truly bad idea that there seems to be no credible academic effort to deploy it at all. The Presidential elections of 2000 brought national attention to problems with current American methods of casting and

counting votes in public elections. Most people believe that the current system should be changed; there is much disagreement on how such changes should be made. The MIT/Caltech researchers [1] “see a promising future for electronic voting, despite its problems today” (under a few conditions). They advocate using the methods currently in use which result in the lowest average numbers of “unaccounted, unmarked, and spoiled ballots,” like in-precinct optical scanning. Their report even proposes a framework for a new voting system with a decentralized, modular design.

#### IV. TECHNOLOGY USED

This project is created in PHP. The coding language is used in this project is PHP. The full form of PHP is Hypertext Preprocessor. It was abbreviated previously as Personal Home Page. It is a programming language widely used to build web applications or websites. It is the server-side scripting language encoded with HTML to develop Dynamic website, Static website or Web applications.

The database we used in this project is My SQL.SQL is the structured query language. MySQL is a widely used relational database management system (RDBMS). MySQL is free and open-source. MySQL is ideal for both small and large applications. The database contains the list of voters, category list, etc.

The Online Voting System is a simple project using PHP/MySQL. To develop this project, I have used HTML for the page layout, CSS, and Bootstrap for the designs, JavaScript (jQuery / Ajax) for UI/UX. This simple project explains how do polling systems do work. Feel free to download and modify the source code

- 1.Open the web-server database and create a new database name it voting db.
- 2.Import the SQL file located in the database folder of the source code.
- 3.Copy and paste the source code to the location where your local web server accessing your local projects.

The Online Voting System is a simple project that represents the Election Voting Process such as school officer elections. The system is easy to use for both admin and voters’ sides. The admin will manage all the polling data requirements which are the Category (the category will represent the positions), voting list, and the user or the voters. The admin can create and manage candidates and the maximum count of voter's selection per category. The voters can also view the poll standings after they vote.

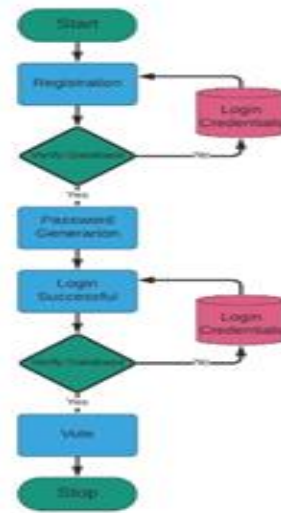


Figure 1: Flowchart of Voting System

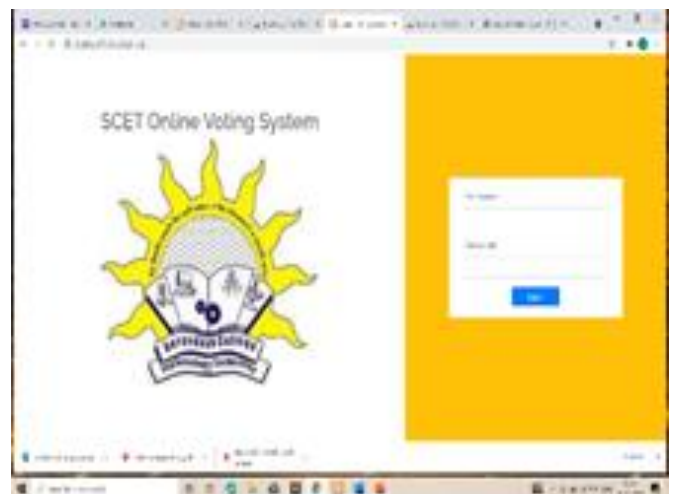


Figure 2: Login Page

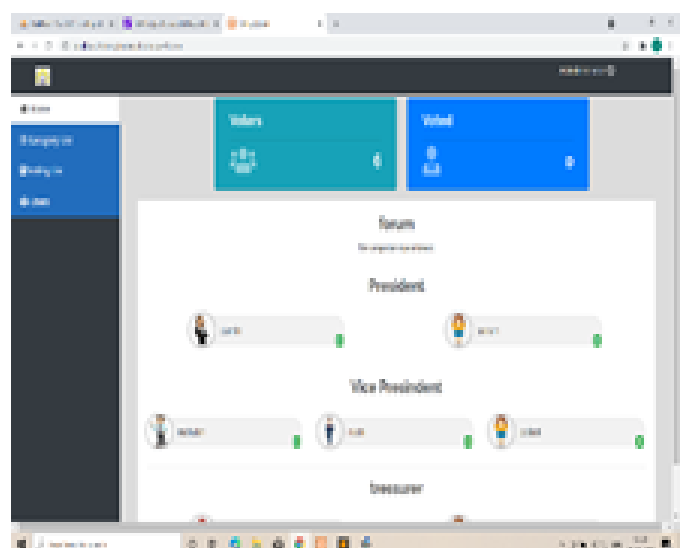


Figure 3: Home Page

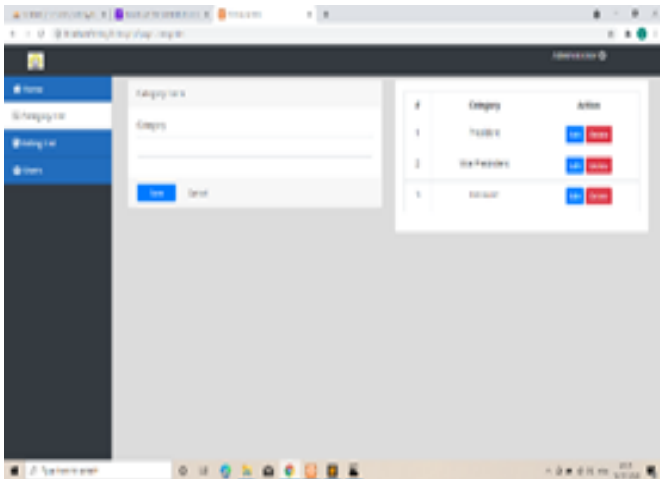


Figure 4: Category List

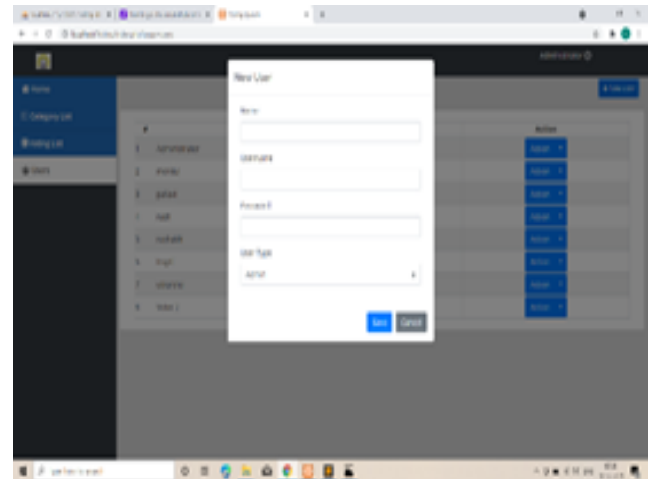


Figure 7: New User Form

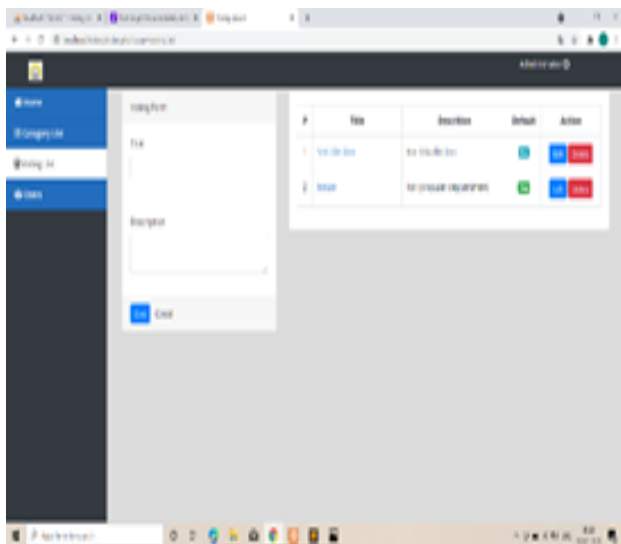


Figure 5: Voting List

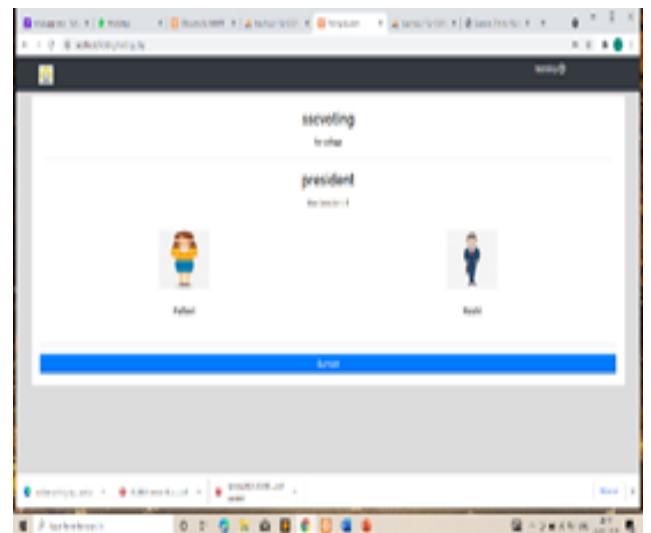


Figure 8: User Interface



Figure 6: User List

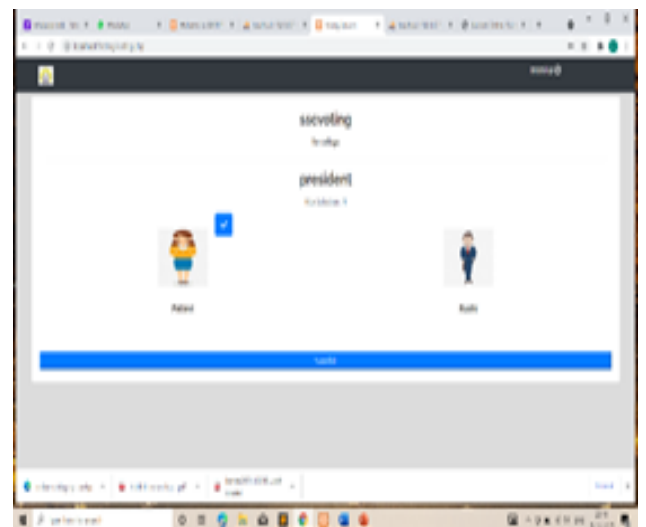


Figure 9: After Voting by Voter

## **V. CONCLUSION**

The facilitation and securing of the voting process cannot be left to the private sector, where legitimate concerns about profitability inevitably lead to conflicting priorities. Governments, presumably interested in staying in power, cannot be allowed to act on voting technology without proper public oversight and total transparency. Questions cannot be adjudicated by our legal system, which pits the interest of one side against another in adversarial trials that do not seek to find objective truths. We will find the answers only through a commitment to a publicly funded, nonpartisan, multidisciplinary research initiative in which no individuals stand to gain and yet the entire nation stands to benefit.

## **VI. FUTURE SCOPE**

E-voting only takes a small part of the whole election process. From a technical point of view, it only focuses on

1. Calling of election
2. Registration of candidates
3. Preparation of the polling list
4. Voting proper
5. The counting of votes

It helps to make it possible to determine the different action beginning, done by both voters and administrator to see if there is any validation committed. Advantage the presence of information technology is a very big help in minimizing work.

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