

## COLLEGE ONLINE ELECTION SYSTEM

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**Abstract** - This project is entitled as "College Online Election System" is developed using ASP.NET as front end, C# as coding Language and SQL Server as backend. Android studio has been used for mobile interactions. Here in this project we are concentrated over the mobile based voting system technique used to recognize the real persons. Basically this is a mobile based interface that can connect to any android mobile. This application works with internet connection only. And also this architecture for Time voting and Access control system. This project works with a centralized application server that can manage thousands of terminals centrally to offer complete centralized time based access control. The developed code will interact with both admin and client processes. The accessed data will be sent via centralized server into the system, the data from the server will be checked with the SQL Server for data storing and retrieval. This system will work under various circumstances like inside the IP based system, Public IPs, for security purposes, etc. This framework needs an admin for productive information taking care of. Information upgrading moreover can be done through the admin for the whole framework through web structures.

**Keywords** - College Online Election System, ASP.NET, C#, Javascript, CSS, SQL Server.

### 1. INTRODUCTION

The ancient molded voting framework isn't very adequate nowadays to keep track of other frameworks. There is no tracking system involved. Because the availability of information is insufficient today, it is hard to make manually. For this reason numerous voting systems utilizing manual strategies have come up with an approach that guarantees a strong commitment of recognizing the genuine appearance of the client. Numerous manual voting frameworks have been presented within the advertisement to track the personality of the exact voters. With the presentation of this application, as it were authorized clients can be recognized effortlessly utilizing manual strategies. All voters should assemble in a place before voting. A few examples of voting systems are RFID voting system, punch-card voting system, swipe card voting systems,

biometric voting systems, etc. all these technologies can be faked easily. In this project College Online Election, we concentrate on the Web-based voting framework procedure utilized to recognize the genuine people.

### 1.1 Problem Background

In recent times there is much literature on online elections is done. While online voting has been an active area of research in recent years, efforts to develop real-world solutions have begun posing many new challenges. These challenges and concerns have to be settled in order to make open believe in online voting.

### 1.2 Problem Statement

To create a user-friendly web based application for Colleges and Universities to conduct safe, secure, time-saver and smooth elections for various postings.

### 1.3 Research Objective

The specific objectives of the project include:

- Reviewing the exciting/current voting process.
- Coming up with an automated voting system structure.
- Implementing an automated/online voting system.
- Approving the system to ensure that only qualified voters are allowed to vote.

## 2. LITERATURE REVIEW

### 2.1 Background

The online voting system is made for students to be able to vote their representatives from any part of the globe. It is done on the Internet and as such can be called the Internet Voting. It looks to precisely reflect the voter's inclinations.

Online Voting and electronics have become the technologies that most democracies and also universities in the 21<sup>st</sup> century are using. Voting on the web has its

claim drawbacks based on the areas of secrecy and protection against and/or vote selling.

Proposed online voting framework could be a voting system by which any voter can use his/her voting rights from anywhere in the country. Online voting system contains:

- a. Voter's information in the database.
- b. Voter's Names with ID and password.
- c. Voter's vote in a database.
- d. Calculate the total number of votes.

Different operational works proposed within the framework are: Recording data of the Voter in database. Checking the information filled by voters. Discard the false information. Each information is sent to election commission.

### 2.2 Existing System

The system study phase studies the problem, identifies alternate solutions, evaluates those arrangements and lastly recommends the best result. The framework thinks about the structure and function of the system. The system study can be performed only on an existing framework. The system study gives an idea of user requirements. A detailed system study is necessary for developing a bug free system. The techniques used are:

- Observation
- Interview
- Discussion

### 2.3 Proposed System

The proposed system tries to avoid the problems raised in the existing system. The main automation process is the mobile based application. Here the application is developed in a web based method and hosted in the centralized server. The centralized server details can be accessed using mobile applications. This application is a freeware, so any user can download from the Google market.

### 2.4 Product Functions

The product features a server back-end which takes care of authenticating the users and maintaining necessary data structures.

### 2.5 Constraints

Login and password is used for identification of staff, voters and candidates.



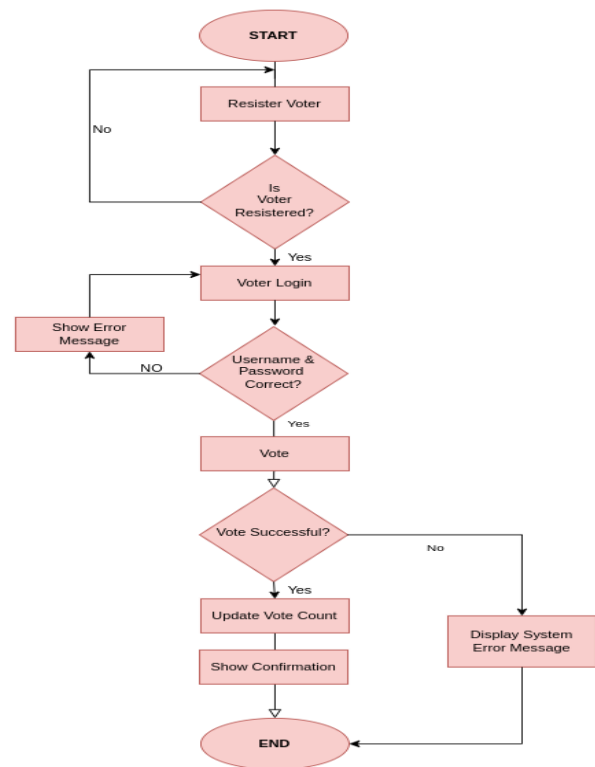
Literature Survey Table

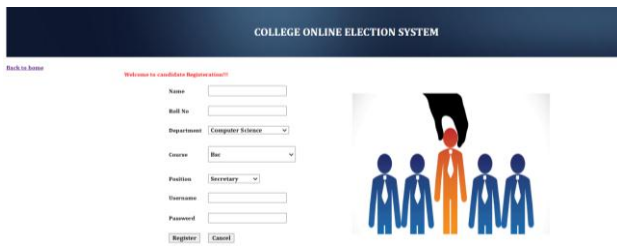
Pen And Paper Based	College Online Election System (Web Application)	Google Form
Old Method	Very New Method	Dated Method
Time-Consuming	Time Saver	Time-Consuming
Not Secured	Protected/Secured	Not Secured
Only For Voting	Total Election System	For Voting And Data Only

## 3. WORKING FLOW

Online voting is a software system through which a voter can give votes though registering themselves on the voting website. All the information in sites which have been entered are stored in a database for each page in the website that has its own database table. It deals with the design and testing of online voting for user, candidates to participate in online voting.

### 3.1 Flowchart



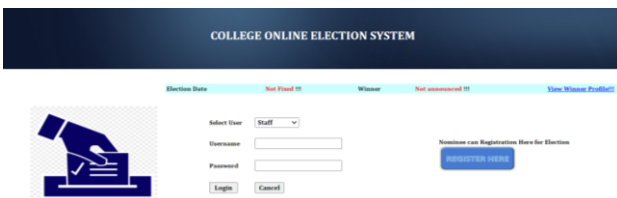


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### 3.4 Login

**User Login** - After registering into the application, the information is stored in the database. The user can login to the application with his/her unique Username and Password generated through registration. There is also an option of Forget Password in case the user forgets his/her password.



### 3.2 Home

It is the welcome & main page of our application having all other options and features such as Login, Registration, & Announcement etc. This main menu consists of a Login page which includes three user types like Staff, Candidate & Voting. Admin rights such as candidate verification and approval, creation/deletion of particular election & result publication is given to staff.

### 3.3 Registration

This is the register page, where candidates (nominees) can register themselves by entering the correct details. After successful registration user id and password is generated. All the information registered in the system is saved in the database.

## CONCLUSION

It is concluded that the application works well and satisfies the admin and users during the time of voting. The application is tried very best and errors are debugged properly. The application is at the same time accessed from more than one framework. Simultaneous login from more than many places is tested.