



---

## Online Voting System

*Jayalakshmi A<sup>1</sup>, Rubini A<sup>2</sup>, Mahalakshmi B<sup>3</sup>, Rajeeka P<sup>4</sup>, Suganthi B<sup>5</sup> Assistant Professor\**

*<sup>1,2,3,4,5</sup>Sacred Heart Arts and Science College, Perani, Villupuram 605 651, Tamil Nadu.*

---

### ABSTRACT

Every Indian has the fundamental and significant right to vote. Every five years, elections are held to choose the candidates. Voting booths are where voters must go to cast their ballots. My Android application for an online voting system is the project. They can securely and conveniently cast their votes from home by utilising this programme. The basic premise is that throughout election season, Candidates can poll their votes from any location. Here, a one-time password is utilised for security and an Aadhar Identity number is used to uniquely identify users.

**Keywords:** Online, voting, Database, Election, Candidates.

---

### I. Introduction

#### *1.1 About the project:*

To enable Indians to vote online with an Android application, allowing them to do so without physically visiting a voting location. To address the issue with elections currently, we developed an online voting system in asp.net. It is a web-based voting system that makes election management simple. Voters don't have to go to the polls in order to cast their ballots because they can verify candidates' statistics and the election's outcome. A user who has already voted is unable to do so again. In this system, the backend uses MYSQL while the frontend uses Asp.net.

---

### II. SYSTEM ANALYSIS

#### *2.1 Existing system:*

The details in the current system are maintained by manually.

Maintaining the documents is risky and takes extra time and labour. If any corrections are offered, it is exceedingly challenging. If any Corrections are available it is very difficult

#### *Disadvantages:*

There is more time and manpower available.

#### *2.2 Proposed system:*

The student records are kept in this proposed system using computers. That cuts down on both manpower and time.

A single page is used to present the student's data. These can simply be found by those who have not finished.

#### *Advantage:*

It cuts down on labour availability and time.

---

### III. SYSTEM METHODOLOGY

- *Admin login*
- *Registration*
- *User Login*
- *Polling*

---

**• Result****3.1 Login As Admin:****3.2**

The admin module is mostly used to verify one's authentication. It determines whether or not the username and password are correct. If it is incorrect, we cannot enter the information.

**3.2 Registration:**

In this module it has two parts;

1. Voter Registration,
2. Candidate Registration.

**3.3 User Login:**

In this module voter can give the username and password. The polling module will be displayed.

**3.4 Polling:**

In this module, it contains the list of voter name and nominee Names. We can choose the voters and nominees name. And we can put our voting respective nominees. It might be kept in a database.

**3.5 Result:**

In the result module, it has contain the details about result analysis. Like no. of voting, winning candidate name and their percentage, party name.

---

**IV. CONCLUSION:**

This project is developed to achieve maximum efficiency and shorten the time needed to manage election-related activities. It is intended to take the place of an existing manual record-keeping system, which will cut down on the time needed for calculations and data storage. The system uses asp.net as frontend and MYSQL as backend for the database.

**References**

---

1. <https://nevonprojects.com/online-election-system-project/>
2. <https://transmitter.ieee.org/makerproject/view/91d35>
3. <https://github.com/topics/online-voting-system>
4. <https://jpinfotech.org/online-election-system-online-voting-system/>
5. <https://gfgc.kar.nic.in/shimoga/GenericDocHandler/147-90864e29-7908-4746-a0e8-64e39c14b9b8.pdf>