A Micro Project Report on

E-POLLING SYSTEM

A Course Project report Submitted in partial fulfillment of the Academic requirements for the award of the degree of Bachelor of Technology

In

Computer Science and Engineering

Submitted by

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Under the esteemed guidance of

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)

(NAAC Accredited with 'A++' Grade & NBA Accredited)

(Approved by AICTE, Permanently Affiliated to JNTU Hyderabad)

KANDLAKOYA, MEDCHAL ROAD, HYDERABAD-501401

2020-2021

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CERTIFICATE

This is to certify that the course of micro project report entitled "E-Polling System" is a Bonafide work done by Samreen Begum (18H51A05L5), Vasireddy Ujwala (18H51A05L7) , Yerva Archana Reddy (18H51A05M0) of IV B.Tech, VII Semester in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology, submitted to Department of Computer Science and Engineering, CMR College of Engineering & Technology, Hyderabad during the Academic Year 2020-21.

Major Dr. V. A Narayana
Principal

Dr. VIJAYA KUMAR KOPPULA
HOD, CSE Department

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Ultimately, we own all our success to our beloved parents, whose vision, love and inspiration has made us to reach out for these glories.

SIGNATURE

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DECLARATION

We hereby declare that results embodied in this Report of Micro Project on **"E-Polling System"** are from work carried out by using partial fulfillment of the requirements for the award of B. Tech degree. We have not submitted this report to any other university/institute for the award of any other degree.

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ABSTRACT

The E-Polling System is a web based application. The system has a centralized database to keep records of all the Voters and Candidates and Final Results. This Online Voting System is based on SMS sending to voters, to confirmation of Vote. This web based system is time saving, work load reduced information available at time and it provides security for the data. During the election, the election commission of India has introduced a new method of polling by E-Polling voting system (EPS). The election commission will maintain this website. This is a simple, safe and secure method that takes minimum of time.

The word VOTE means to choose from a list, to elect or to determine. The main goal of voting (in a scenario involving the citizens of a given country) is to come up with leaders of the people's choice. Most countries, India not an exception have problems when it comes to voting. Some of the problems involved include ridging votes during election, insecure or inaccessible polling stations, inadequate polling materials and also inexperienced personnel

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CHAPTER 1:

INTRODUCTION

Problem Definition

The existing manual Voting system consumes more time for Vote Casting. Voter has to wait for vote polling station to vote for a right candidate. The election officers has to be check the voter , this voter can vote in this booth then check voterID present in voters list of booth those are information will be present then the voter can vote in that booth. The voter had to stand in the queue to cast his vote. All the work is done in paper ballot so it is very hard to locate a particular candidates, some voters cast their votes for all candidates. To overcome of all these problems we have to implement a web application, which is helpful for Voting from any where.

About Project

The objective of the system is a replacement of the traditional system that is in existence. This smart system reduces the time for voting and also the system is reliable, and faster. In this system the voter username and password will be sent through SMS. The voter cast their vote enter the confirmation OTP sent their mobile number . Database maintained by this system usually contains the Voters information, Candidate information, The final Result of total votes.

PROJECT ANALYSIS

Existing System

The voting system currently being used by the association is a paper based system, in which the voter simply picks up ballots sheets from electoral officials, tick off who they would like to vote for, and then cast their votes by merely handing over the ballot sheet back to electoral official.

The electoral officials gather all the votes being cast into a ballot box. Atthe end of the elections, he electoral officials converge and count the votes cast for each candidate and determine the winner of each election category.

Proposed System

Here we are proposing an web application for voting process that is Online Voting System through SMS. The online voting system will manages the voter's deatils,Candidate details. The main feature of the project includes voters information and candidate information, voter can login and use his/her voting rights. The system can manage the information data very efficiently. The proposed system is more reliable, faster, accurate and easy to handle compared to existing manual system. It helps to computerize everything and reducing the errors as compare to manual voting system

SYSTEM REQUIREMENTS

Hardware Requirements

- Processor: Pentium
- RAM: 4GB
- Hard Disk: 1TB
- Speed: 1.1GHz

Software Requirements

- Operating System: Windows
- Scripting Language: JSP
- Back-End: MYSQL .
- Front-End: HTML5 and CSS3
- Supporting Tools: NetBeans IDE, JQUERY
- Type: Web Application.
- Server: TOMCAT 8.0(cross platform, Apache, MYSQL, JSP)
- Java Version : J2SDSK1.5

TOOLS AND TECHNOLOGIES USED

Introduction to NetBeans IDE

NetBeans IDE is a free, open source, integrated development environment (IDE) that enables you to develop desktop, mobile and web applications. The IDE supports application development in various languages, including Java, HTML5, PHP and C++. The IDE provides integrated support for the complete development cycle, from project creation through debugging, profiling and deployment. The IDE runs on Windows, Linux, Mac OS X, and other UNIX-based systems.

Introduction to CSS(Cascading Style Sheet)

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document. One of the favored features is its ability to allow the sorting of document content written in markup languages (like HTML) from document presentation written in CSS. Here are more advantages of CSS in website design:

1. Search Engine Optimization And Appearance

2. Maintainability and Browser Compatibility

Introduction to HTML(Hyper Text Markup Language)

HTML refers to the Hypertext Markup Language. HTML is used to create webpages. It uses many tags to make a webpage. So it is a tag based language. The tags of HTML are surrounded by angular bracket. It can use wide ranges of colors, objects and layouts. Very useful for beginners in web designing field.

Advantages of HTML

1. First advantage it is widely used.
2. Every browser supports HTML language.
3. Easy to learn and use.
4. It is by default in every window so you don't need to purchase extra software.

JSP Description

JavaServer Pages (JSP) is a technology for developing Webpages that supports dynamic content. This helps developers insert java code in HTML pages by making use of special JSP tags, most of which start with <% and end with %>.
A JavaServer Pages component is a type of Java servlet that is designed to fulfill the role of a user interface for a Java web application. Web developers write JSPs as text files that combine HTML or XHTML code, XML elements, and embedded JSP actions and commands.

In JSP there are three types of scripting elements:

- **JSP Expressions**: It is a small java code which you can include into a JSP page. The syntax is "<%= some java code %>"
- **JSP Scriptlet**: The syntax for a scriptlet is "<% some java code %>". You can add 1 to many lines of Java code in here.
- **JSP Declaration**: The syntax for declaration is "<%! Variable or method declaration %>", in here you can declare a variable or a method for use later in the code.

MODULES OF PROPOSED SYSTEM

This proposed system consists of 3 main modules, which are listed below.

1. ADMINISTRATIVE MODULE

Online Voting is a voting system by which any Voter can use his\her voting rights from anywhere in India. Online voting for association contains-:

- Voter's information in database.
- Voter's Names with ID.
- Voter's vote in a database.
- Calculation of total number of votes

Various operational works that are done in the system are:-

- Recording information of the Voter in Voter database.
- Checking of information filled by voter.
- Discard the false information.
- Each information is maintained by admin.

2. Nominee Candidate Module

The Nominee details will be updated by the admin for the post of board of director and manager. The candidate will submit their own details and the admin maintain all of background details of the particular nominee and uploaded their information in correct procedure. In order to, the user or voter can view the nominee details.

3. USER/VOTER MODULE

The user after their registration only can login for voting. The user will view nominee details with their image before they can vote. After knowing the nomineedetails the user can login for voting. They should vote for board of director and themanager in the association. The count will taken for each voting. After voting the particular person/user cannot logon to vote again

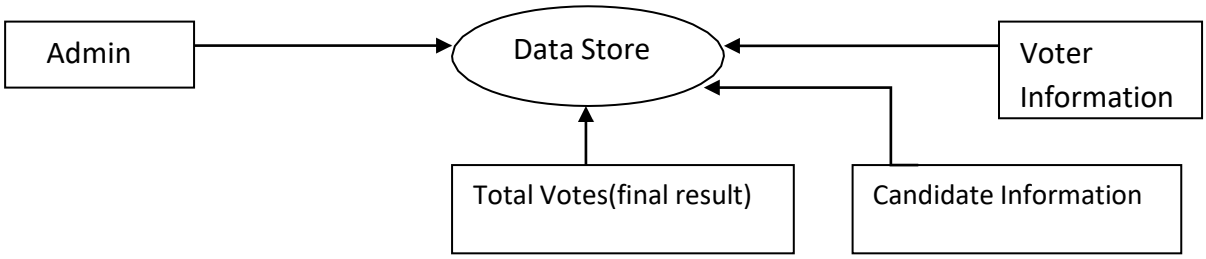
SYSTEM DESIGN

Data Flow Diagram

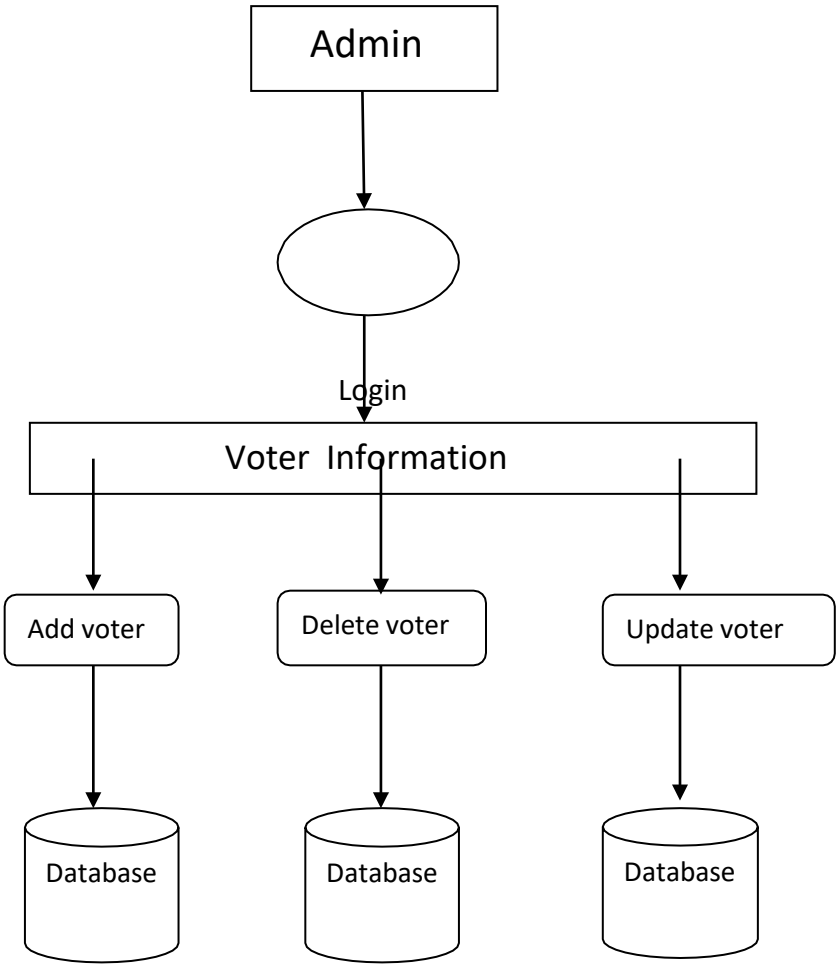
The data flow diagram(DFD) is a graphical tool used for expressing system requirements in a graphical form. The DFD also known as the "bubble chart" as the purpose of clarification system requirements and identification major transformation that will become program in system design. Thus DFD can be stated as the starting point of the design phase that functionality decomposes the requirements specification down to the lowest level of details. The DFD consists of series of bubble joined by lines. The bubble represents data transformation and the lines represents the data flows in the system. A DFD describes what data flow is does not to construct a Data Flow Diagram, we use

- **Arrow:** An arrow identifies the data flow in motion. It is a pipeline through which information is flow like the rectangle in the flowchart.
- **Circle:** A circle stands for process that converts data into information
- **Open End Box:** An open ended box represents a data store, data at rest or a temporary repository of data.
- **Squares:** A square defines a source or destination of system.

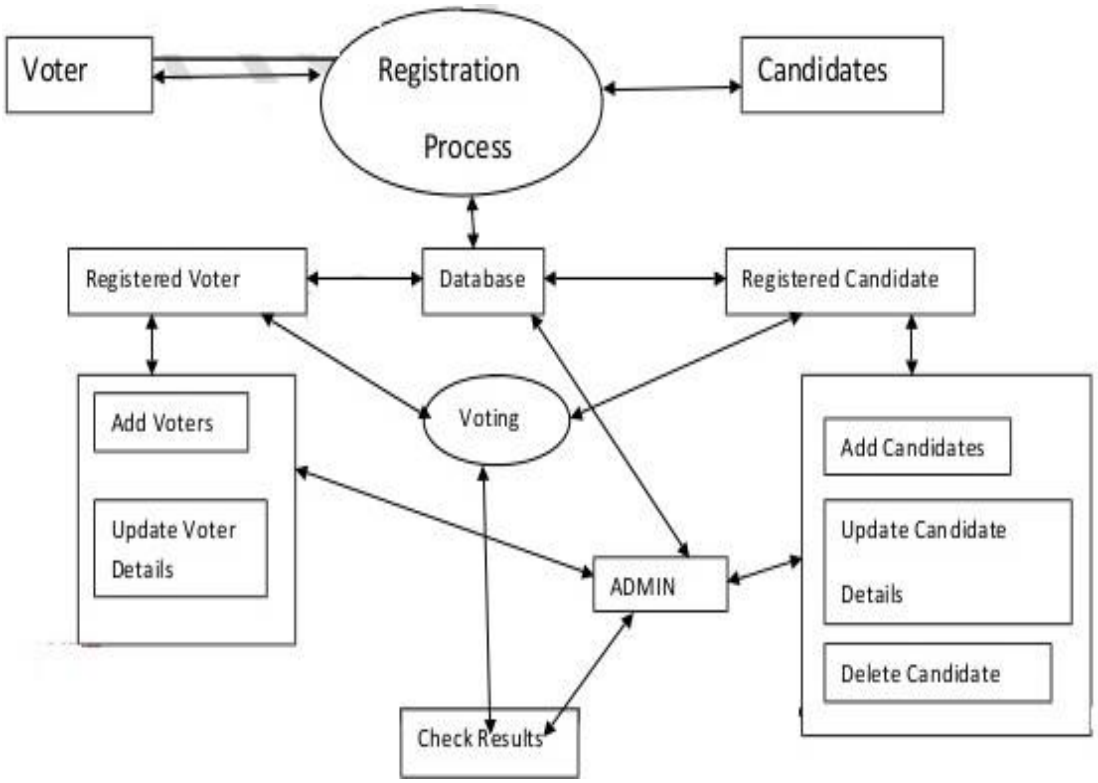
Level 0



Level 1



E-R Diagram


Voter
Registration
Process
Candidates
Registered Voter
Database
Registered Candidate
Add Voters
Update Voter
Details
Voting
Add Candidates
Update Candidate
Details
Delete Candidate
ADMIN
Check Results

DATABASE TABLE

AdminTable

Name	Type	Key	Description
admin	varchar(20)	Primary key	Login id for Admin
password	Varchar(20)	Foreign key	Password for Login

Voter Table

Name	Type	Key	Description
vid	varchar(10)	Primary key	Login id for Voter
Dob	date	Foreign key	Date of Birth
Age	int(3)	Foreign key	Age
Vlog	varchar(10)	Foreign key	Voter ID
Pass	varchar(6)	Foreign key	Password
Vname	varchar(25)	Foreign key	Voter name
fathernam	varchar(25)	Foreign key	Father name
Gender	varchar(20)	Foreign key	Gender of the voter
address	varchar(50)	Foreign key	Address
city	varchar(25)	Foreign key	City
mobile	int(10)	Foreign key	Mobile number
emid	varchar(50)	Foreign key	E-mail address

Candidate Table

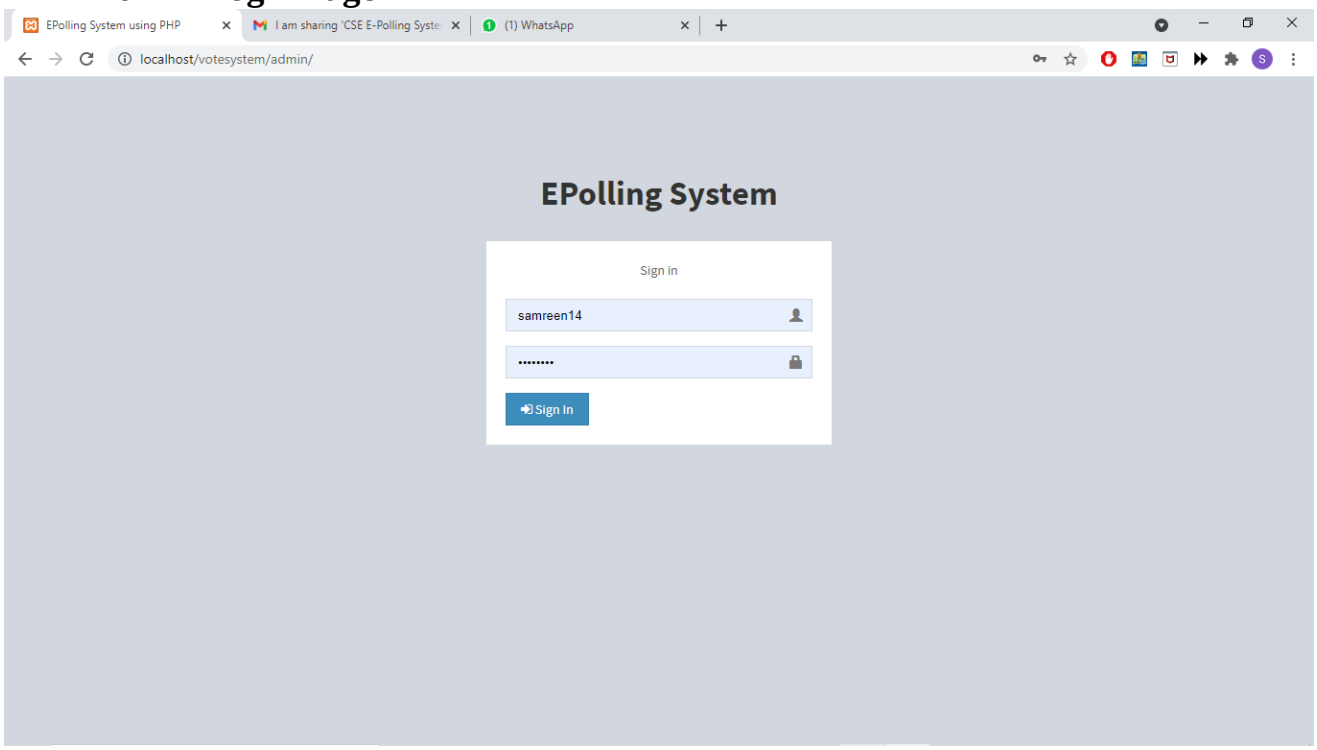
Name	Type	Key	Description
Slno	int(5)	Primary key	Serial number of candidate
Cname	varchar(30)	Foreign key	Candidate name
Fname	varchar(30)	Foreign key	Father name
Gender	varchar(10)	Foreign key	Gender
Address	varchar(50)	Foreign key	Address
City	varchar(30)	Foreign key	City
Mobile	int(10)	Foreign key	Mobile number
Partyname	varchar(30)	Foreign key	Party name
partsymbol	varchar(30)	Foreign key	Party symbol
Age	int(3)	Foreign key	Age
Voterid	varchar(10)	Foreign key	Voter ID
Date	date	Foreign key	Date of Birth
Caimg	varchar(50)	Foreign key	Candidate image
Email	varchar(50)	Foreign key+	E-mail

Vote count table

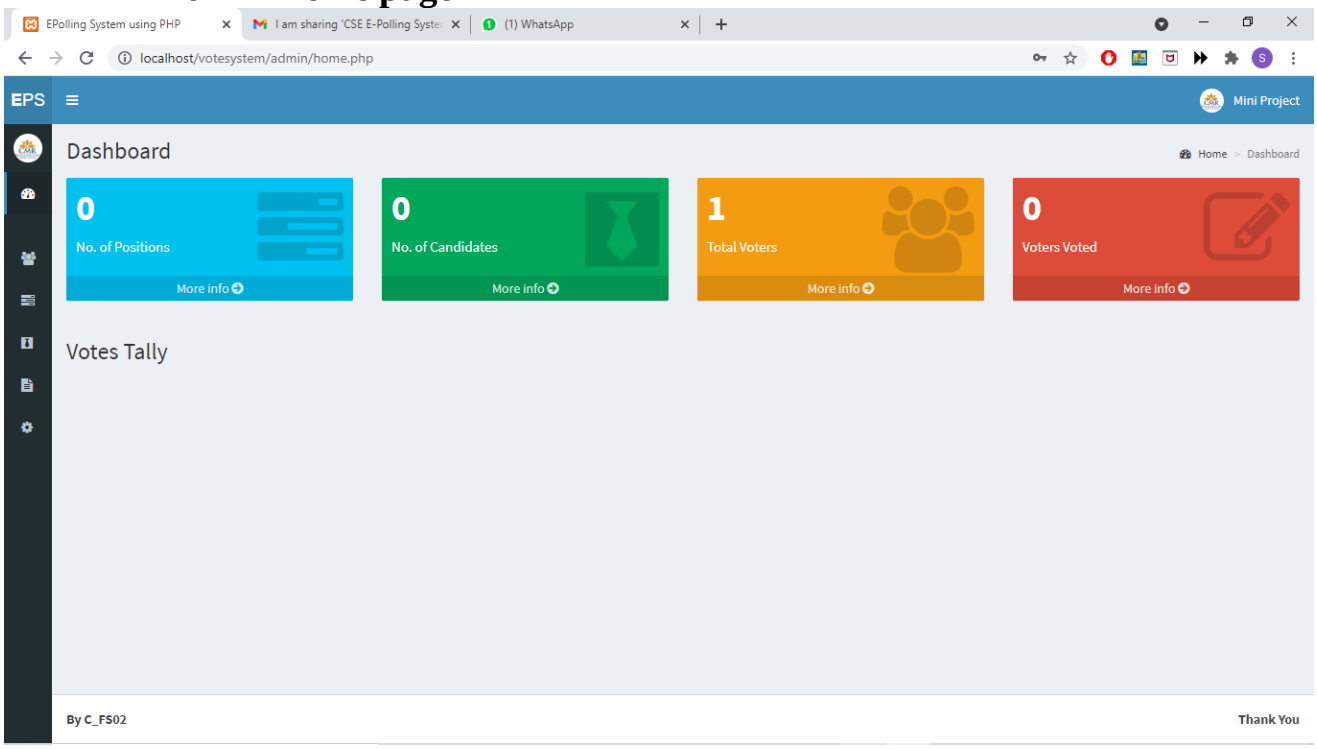
Name	Type	Key	Description
Voterid	varchar(10)	Foreign key	voter Id of the candidate
time1	timestamp	Foreign key	Time
Candslno	int(5)	Primary key	Candidate serial no

SNAP SHOTS OF OUR WEB APPLICATION

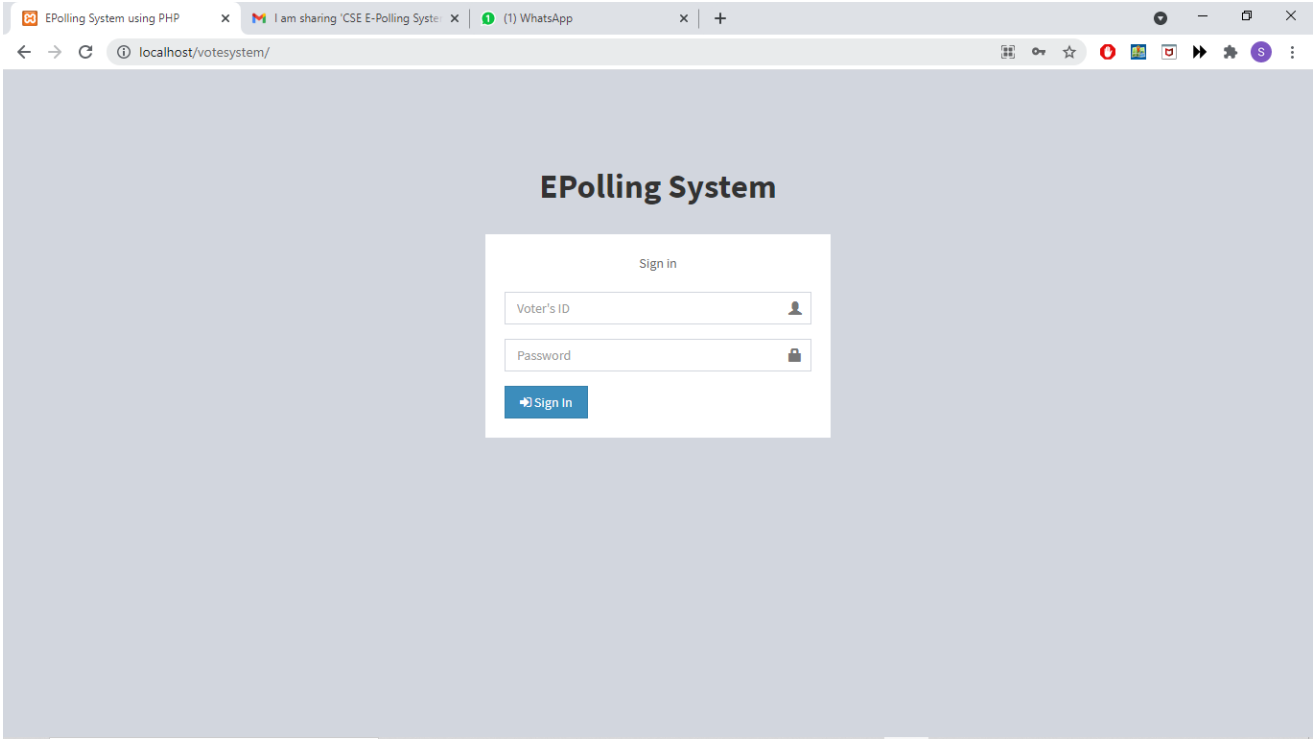
Admin Login Page



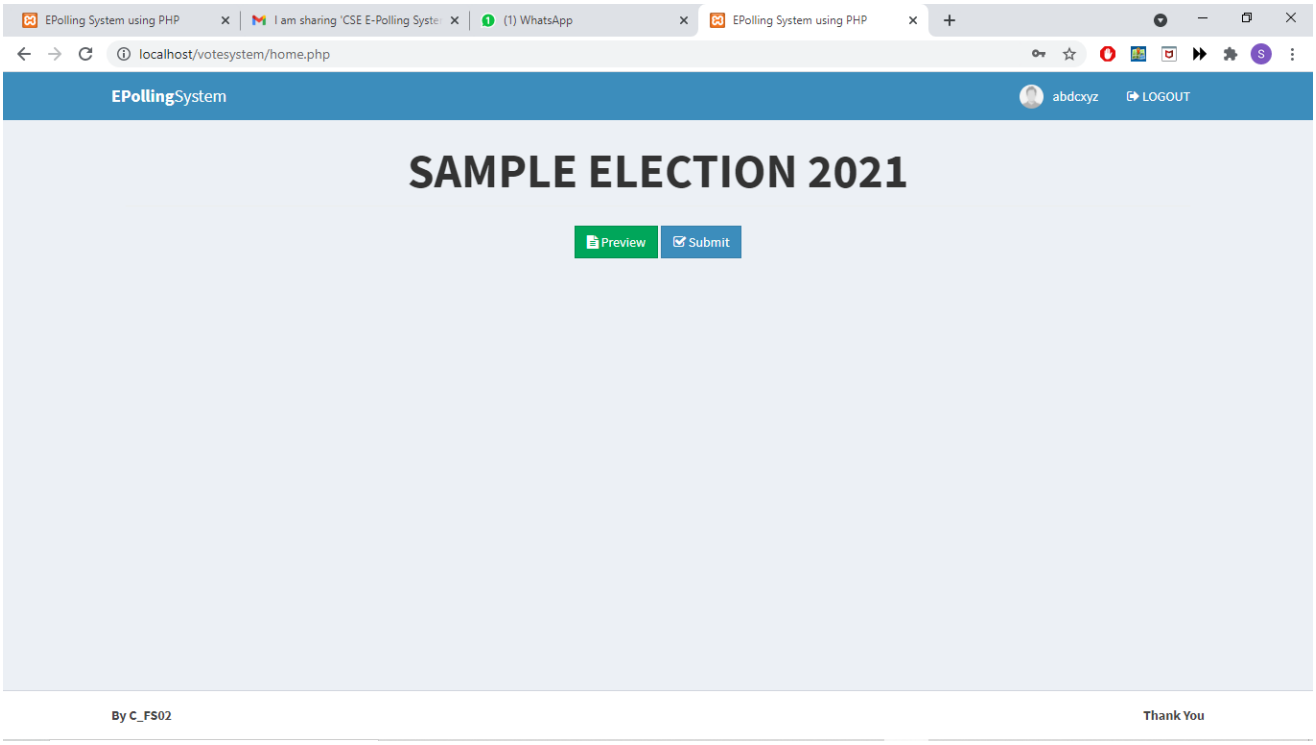
Admin Home page



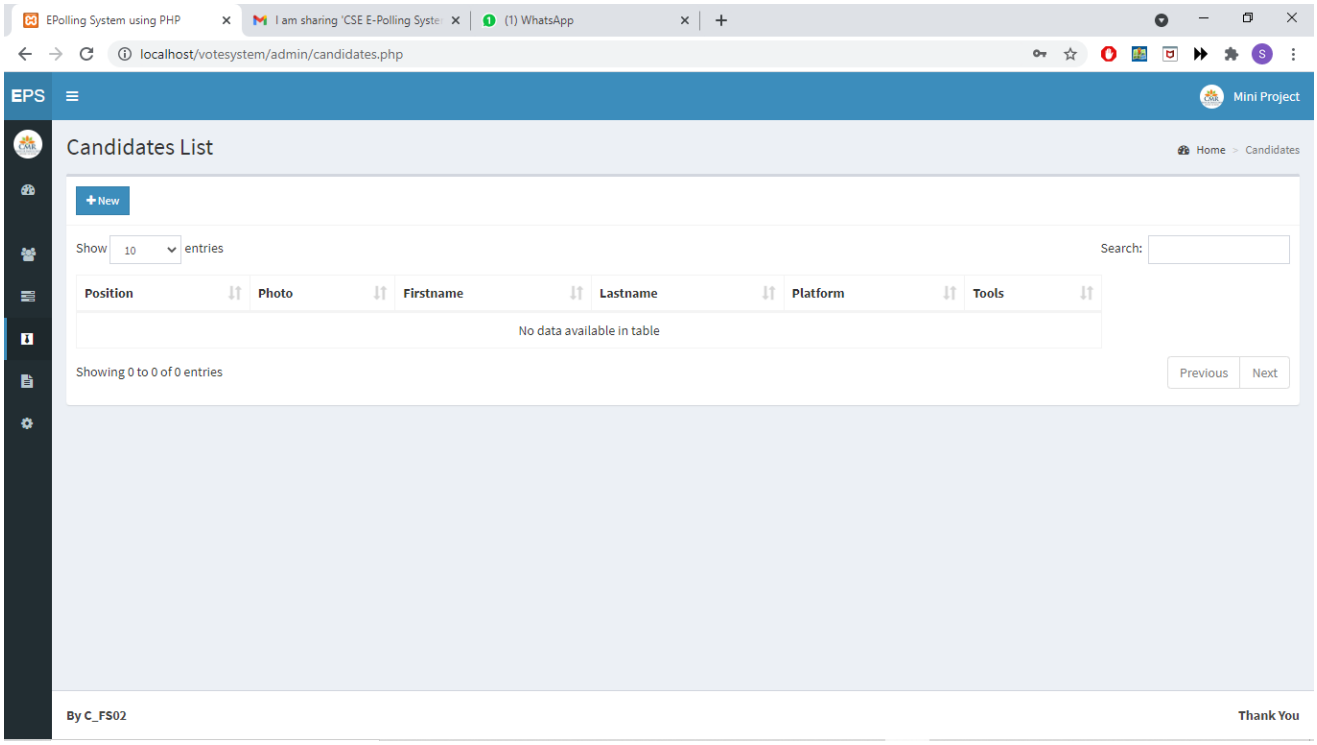
Voters Login Page:



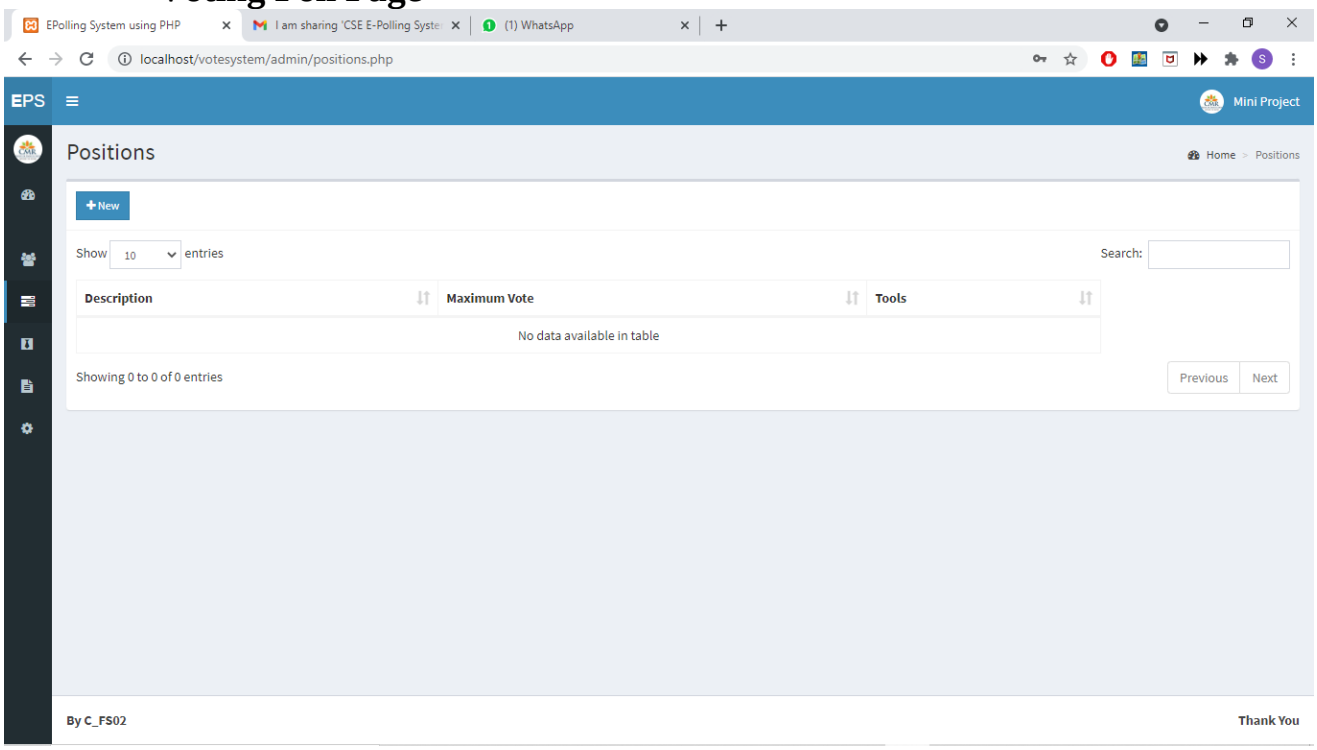
Voters Home Page:

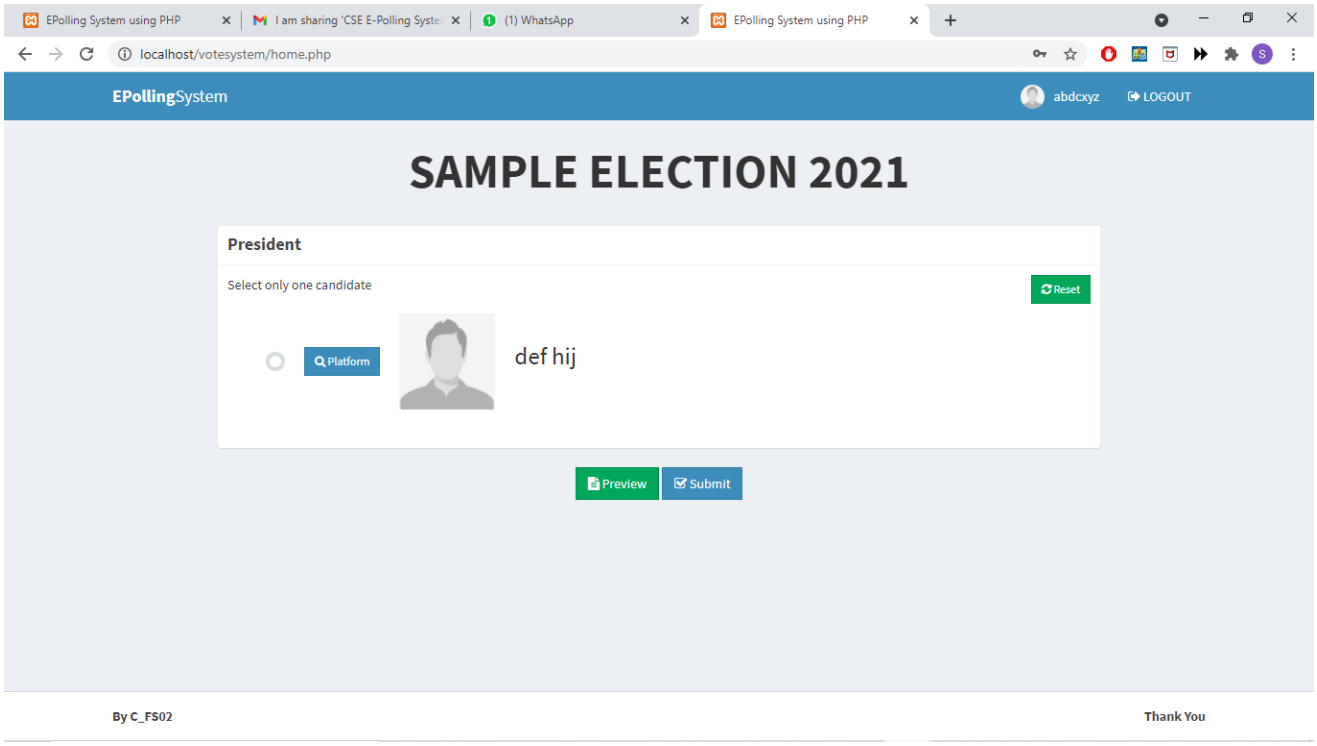


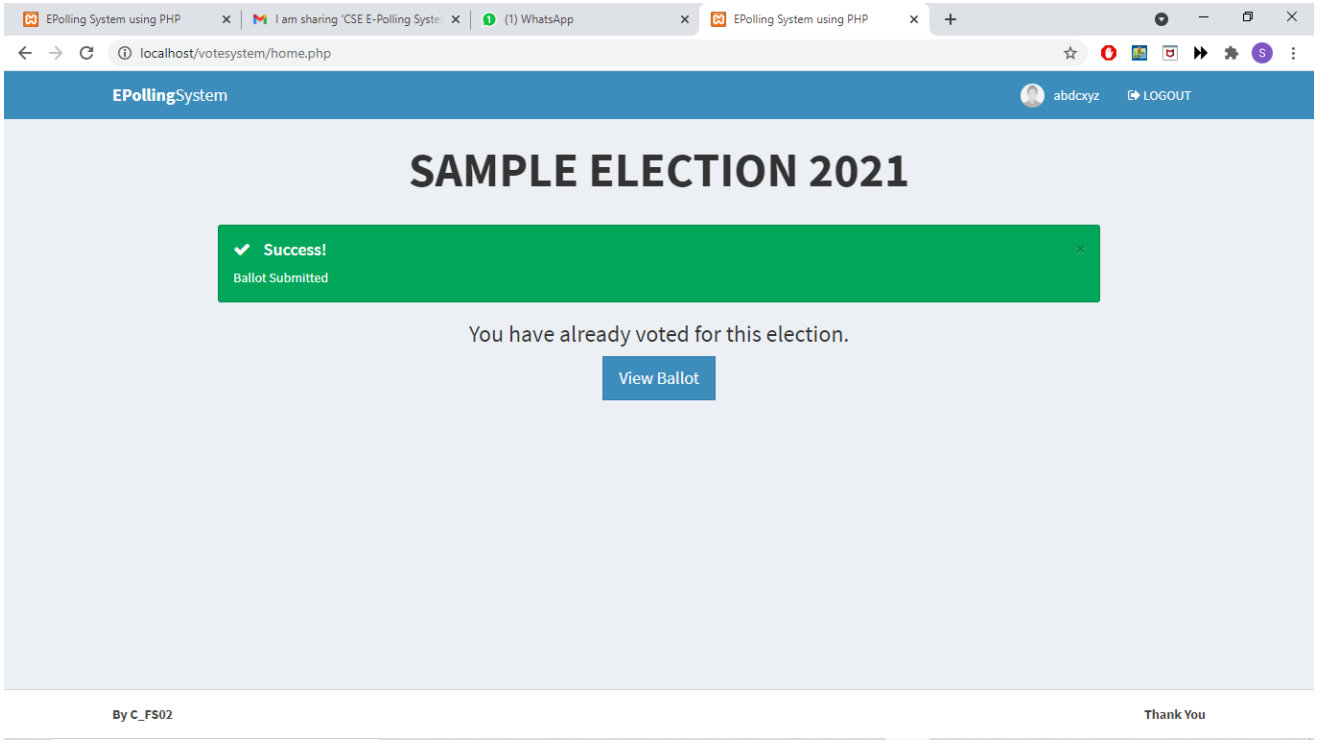
Candidates list



Voting Poll Page




EPolling System using PHP
I am sharing 'CSE E-Polling Syste
(1) WhatsApp
EPolling System using PHP
localhost/votesystem/home.php
EPollingSystem
abdcxyz
LOGOUT
SAMPLE ELECTION 2021
President
Select only one candidate
Reset
Platform
def hij
Preview
Submit
By C_FS02
Thank You


EPolling System using PHP
I am sharing 'CSE E-Polling Syste
(1) WhatsApp
EPolling System using PHP
localhost/votesystem/home.php
EPollingSystem
abdcxyz
LOGOUT
SAMPLE ELECTION 2021
Success!
Ballot Submitted
You have already voted for this election.
View Ballot
By C_FS02
Thank You

CONCLUSION

This online Voting system will manage the Voter's information by which voter can login and use his voting rights. The system will incorporate all features of voting system. It provides the tools for maintaining voter's vote to every party and it count total no. of every party. There is a DATABASE which is maintained by the ELECTION COMMISION OF INDIA in which all the names of voter with complete information is stored.

In this user who is above 18years's register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By online voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and it is very less time consuming. It is very easy to debug.

The traditional method of manual voting system has few drawbacks. This method is obviously not efficient as it wastes the voter's energy and quite slow in term of completion. This smart system involves the voter's can cast their vote easily, and can be implemented to the entire India.

FUTURE ENHANCEMENT

Data can be managed on cloud so that it will be secured and managed efficiently. We have developed the online system for only one particular booth , this should be extended to all the polling booths in India .

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