Project Report on

University Voting System

Submitted to

Savitribai Phule Pune University

In the partial fulfillment of the requirement of the award of the degree of

Bachelor of Business Administration- Computer Application,

TYBBA -CA, Sem-VI

Academic Year 2022-23

By

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Under the guidance of

Prof. Amit Tale

Through

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CERTIFICATE

Department of Computer Application

This is to certify that Mr. Mihir Ahir, of TYBBA-CA, Sem-VI, has successfully completed project work entitled **University Voting System** in the partial fulfillment of the requirement of the degree of Bachelor Of Business Administrator-Computer Application for the Academic Year 2022-23.

Prof. Amit Tale
Project Guide

Dr. Vikas Mahandule
Head of the Department

Internal Examiner

External Examiner

Acknowledgement

The words are not enough to express my thanks to **Dr. B. B. Waphare**, **Principal, MIT Arts Commerce and Science College Alandi (D)** for providing me with the opportunity to avail the excellent facilities and infrastructure of the institute.

It is my proud privilege to express my profound gratitude to **Dr. Vikas Mahandule, HOD, Computer Application Department**, for his astute guidance, constant encouragement and sincere support throughout my academic course.

I thanks to my honest gratitude to **Prof. Amit Tale** for his inspiration, constructive suggestions and affectionate guidance in my project work completion.

Last but not the least, I express my sincere thanks to all my dear friends and family members for their constant motivation, moral support and invariable direction throughout my life.

DECLARATION

I, **Mihir Ahir,** hereby declare that this project work entitled **University Voting System** submitted at MIT, Arts Commerce and Science College, Alandi(D), (Affiliated to Savitribai Phule Pune University) is a record of original work done by me under the supervision and guidance of Prof.Amit Tale, Department of Computer Application.

Signature :

1) Name of Student : Mihir Ahir
   Roll No. : TA048

Place : Alandi (D), Pune

Date :12/05/2023

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PROJECT PROFILE

❖Project Profile

- **Project Name:** University Voting System
- **Type of Application:** Web Base Application
- **Project Description:** University voting system is Web Based Application for students to vote online to elect CR/FR/FGS. After Process is done, they can easily see result online.
- **Front End:** HTML5, CSS3, PHP, JavaScript
- **Back End:** MYSQL
- **Other Tools used:** Draw io, Notepad++, Word, XAMPP

INTRODUCTION TO TOOLS

❖ Introduction to Tools

➢ Front End Tool:

1. HTML5

- ⇨ Hypertext markup language (HTML) is the standard markup language for creating web pages and web applications. With CSS (cascading style sheet) and JavaScript it forms a trio of technologies for the World Wide Web. Web browser receive HTML documents from a web server or from local storage and render them into multimedia web pages. HTML elements are building blocks of HTML pages.HTML can embed programs written in a scripting language such as JavaScript. Which affect the behavior and content of web pages. Inclusion of CSS defines the look and layout of content of web pages.

2. CSS3

- ⇨ CSS stand for cascading style sheets. CSS is used to define styles for web pages, including the design, layout and variations in display for different devices and screen sizes. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External style sheets are stored in CSS files.

3. PHP

- ⇨ PHP is called as Hypertext preprocessor it is widely used open source general purpose scripting language. PHP is specially use suitable for web development and can be embedded into HTML. The PHP code is enclosed in special start and end processing instructions **<?php** and **?>** that allow you to jump into and out of "PHP mode".
- ⇨ The best things in using PHP are that it is extremely simple for new programmers, but it offers many advanced features for a professional programmer. PHP's development is focused on server side scripting, you can do much more with it.

4. JavaScript

- ⇨ JavaScript is a programing language that adds interactivity to your websites. For example games responses when buttons are pressed or data entered in forms, dynamic styling and animation. JS (JavaScript) is dynamic programing language that applied to an html document, can provide dynamic interactivity on websites.
- ⇨ JavaScript is incredibly versatile. You can start small, image galleries and responses to button clicks. With more experiences you will be able to create games, animated 2d and 3d graphics and much more.

➢ Back End Tool:

1. MYSQL

Mysql is an OpenSource Relational Database Management System. MySQL is written in C and C++. MySQL was created by a Swedish company, MySQL AB, founded by David Axmark, Allan Larsson and Michael "Monty" Widenius. Original development of MySQL by Widenius and Axmark began in 1994

SYSTEM STUDY

1. Existing System:

- Existing system is totally based on manual system so it was very time consuming and also occupy lot more space to store hard copies physically. Manual system does not contain more feature compare to propose system as we are going to transform manual system to web based system.
- To maintain the manual system is a very difficult task or we can say it is very difficult process because we cannot store all information about university elections in hard copy, it can be lost, it can also get erased after some time so it cannot stay as it is for a very long time.

2. Proposed System:

- Propose system is totally web based system. We are going to make very user friendly system in that students can vote and elect CR/FR/FGS.
- The votes are stored in the system Database. After calculation of votes result will be displayed.

3. Scope of the Proposed System:

- Can get more Increasing Number of votes as Individuals will find it easier and more convenient to vote.
- Can get more voters compare to manual voting.
- Generate and compare reports.
- No papers required.

4. Aim and Objective of the Proposed System:

- Aim is to achieve more voters across area limits.
- Objective is to get transparent and faster result of election.

SYSTEM ANALYSIS

Actors:

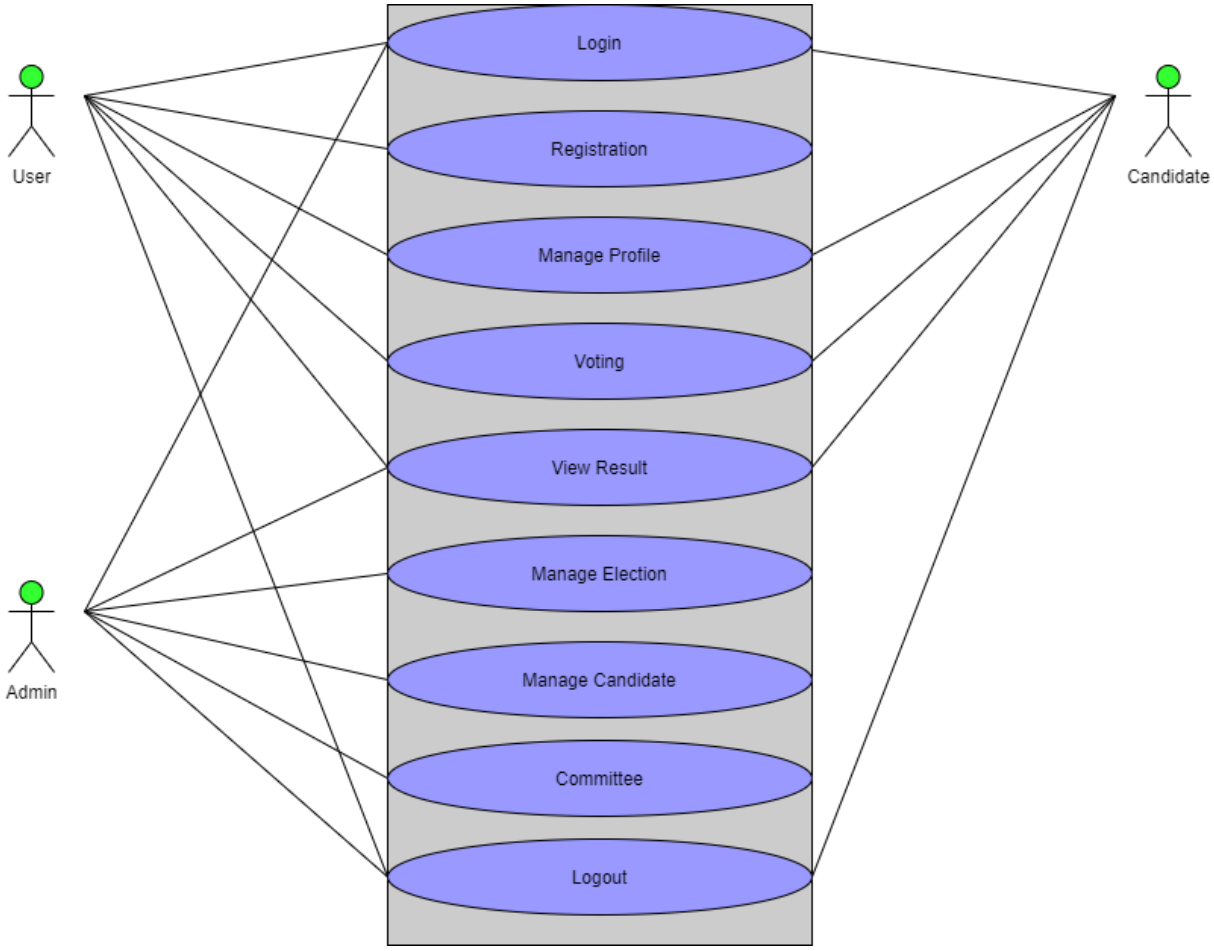
- Administrator
- Candidate
- Voter

Module:

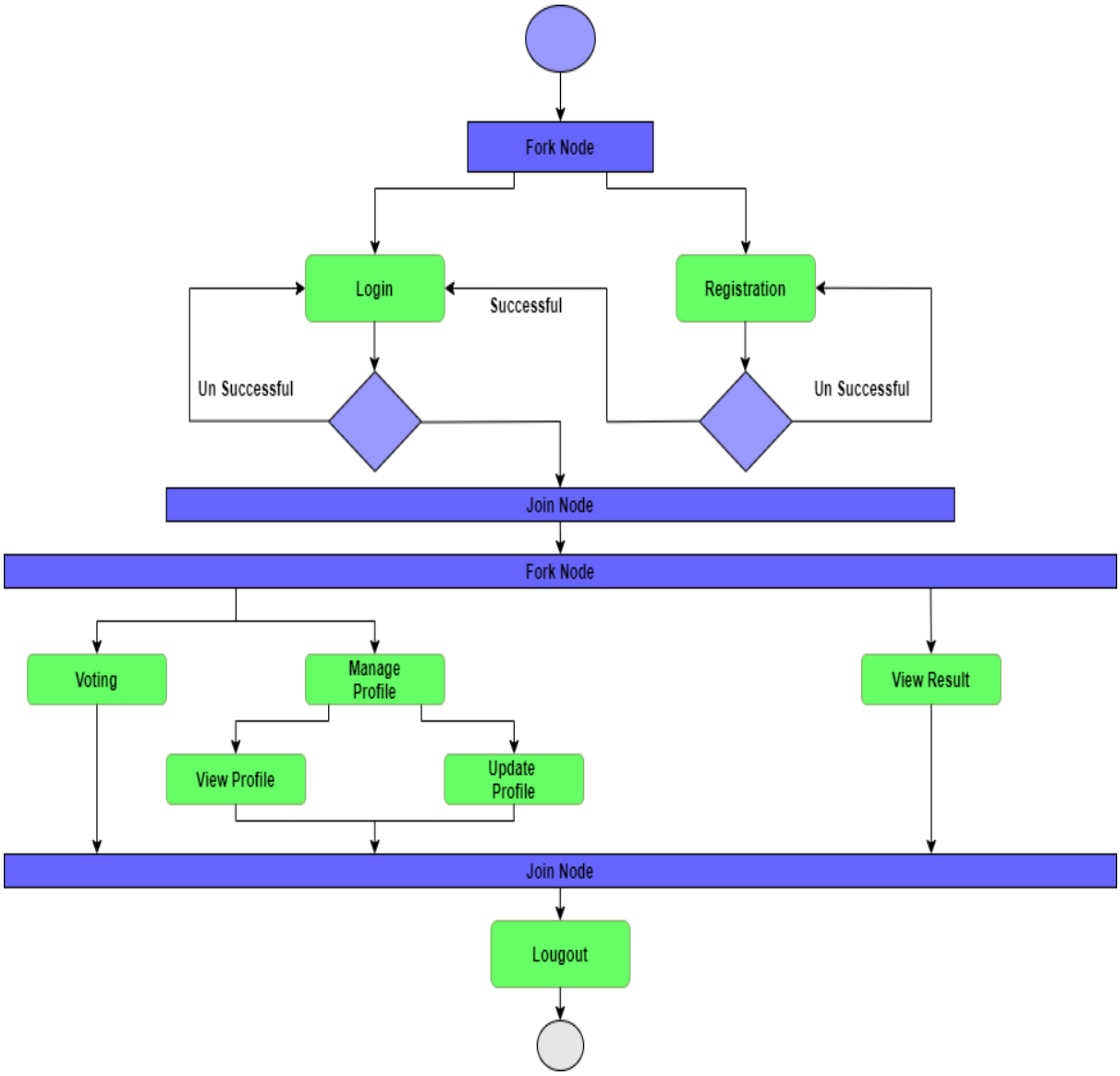
- Registration Module
- Login Module
- Candidate Module
- Election Module

Use case diagram:

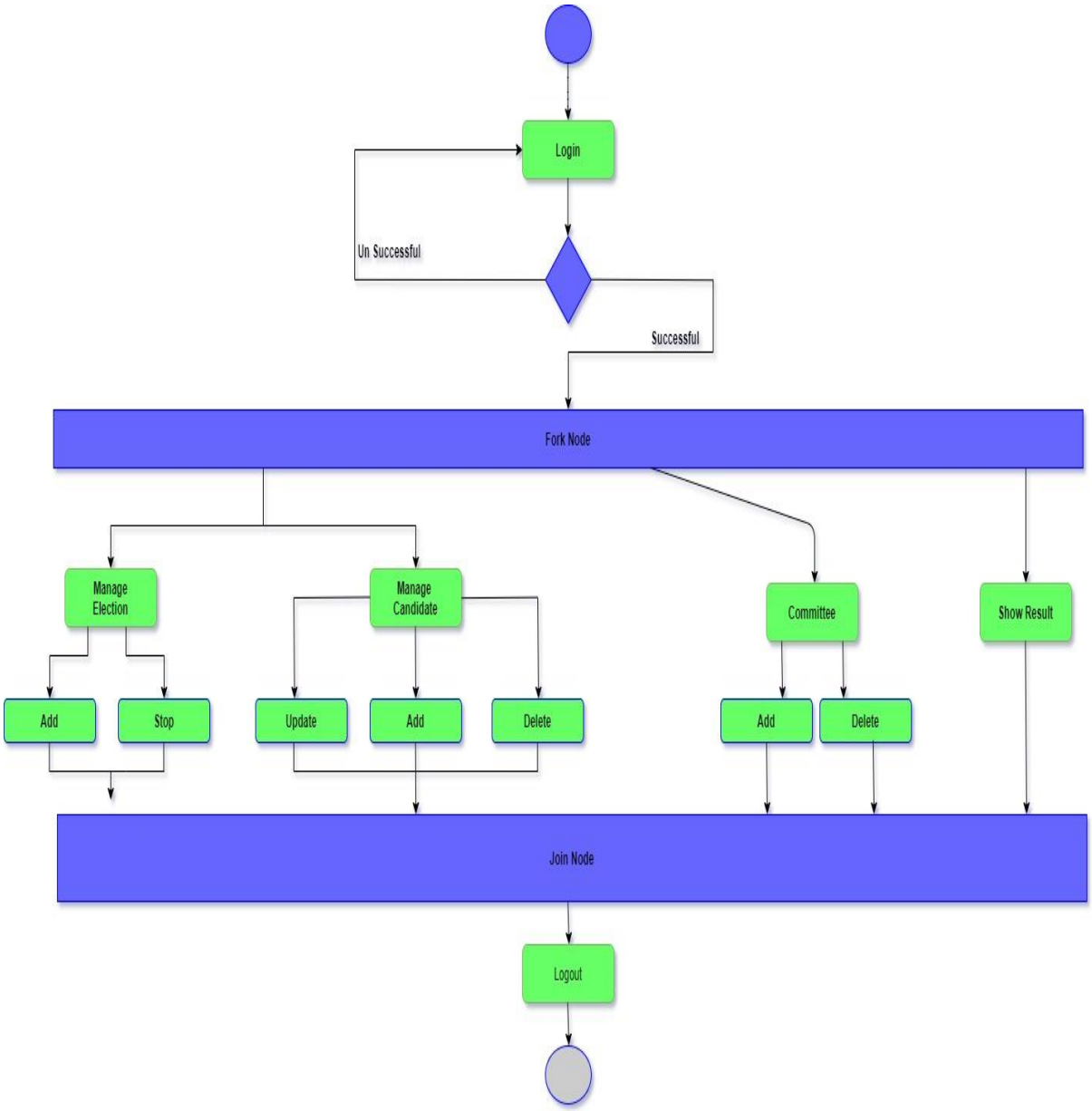
User and Candidate:



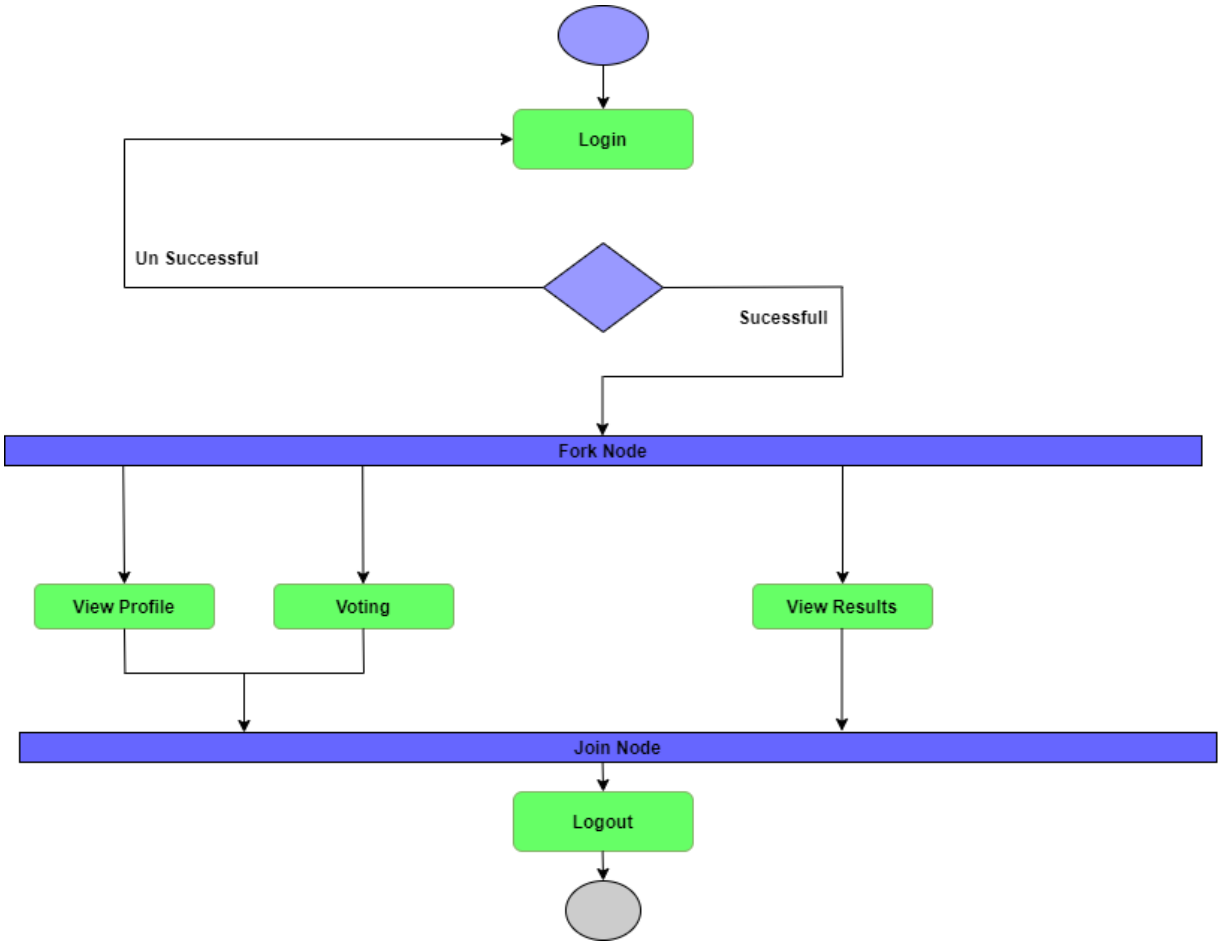
Activity diagram: User



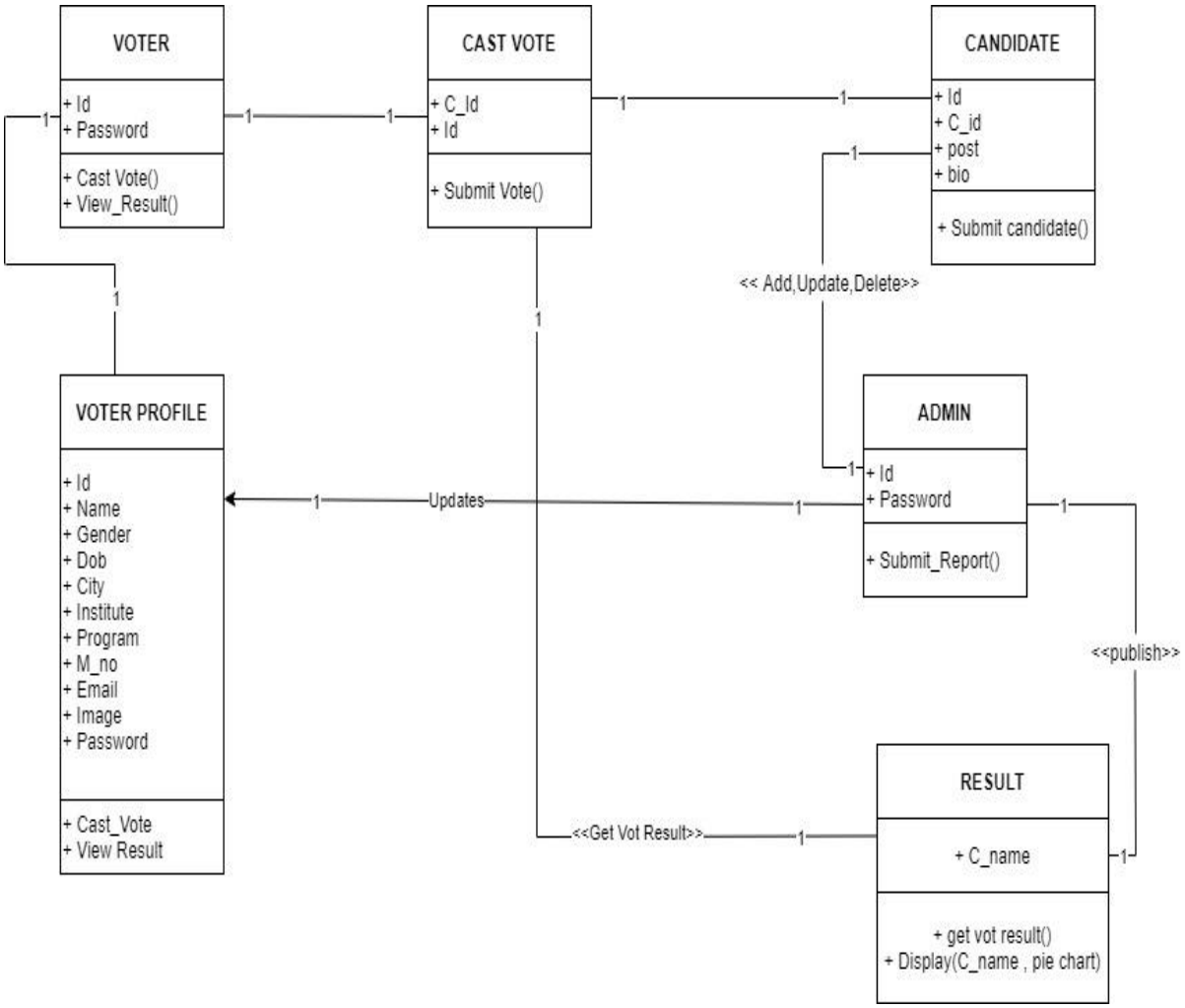
Activity diagram: Admin



Activity diagram: Candidate



Class Diagram:



SYSTEM DESIGN

Data Dictionary

1) voter_master: - This table will store the user details

Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	Id	Varchar	8	Primary key	Stores voter id
2.	Name	Varchar	50	Not_Null	Stores user name
3.	Gender	Varchar	6	Not_Null	Stores Gender of user
4.	Dob	Date	-	Not_Null	Stores Birthdate of user
5.	City	varchar	25	Not_Null	Stores City of user
6.	Institute	varchar	30	Not_Null	Stores User's Institute
7.	Program	varchar	10	Not_Null	Stores User's Program
8.	M_no	bigint	10	Not_Null	Stores Mobile number of user
9.	Email	varchar	35	Not_Null	Stores Email of user
10.	Image	varchar	300	Not_Null	Stores Path of Image
11.	Password	varchar	25	Not_Null	Stores Password of user
12.	Voted	varchar	3	Not_Null	Indicates if user have voted or not.

2) Committee :- Stores data of all committee.

Sr.NO	Field Name	Data type	Size	Constraint	Description
1)	C_id	Varchar	10	Primary key	Stores Id of Committee
2)	C_name	Varchar	20	Not_Null	Stores name of committee
3)	C_image	Varchar	300	Not_Null	Stores path of Committee image

3) candidate_info:- This table will store the candidate information.

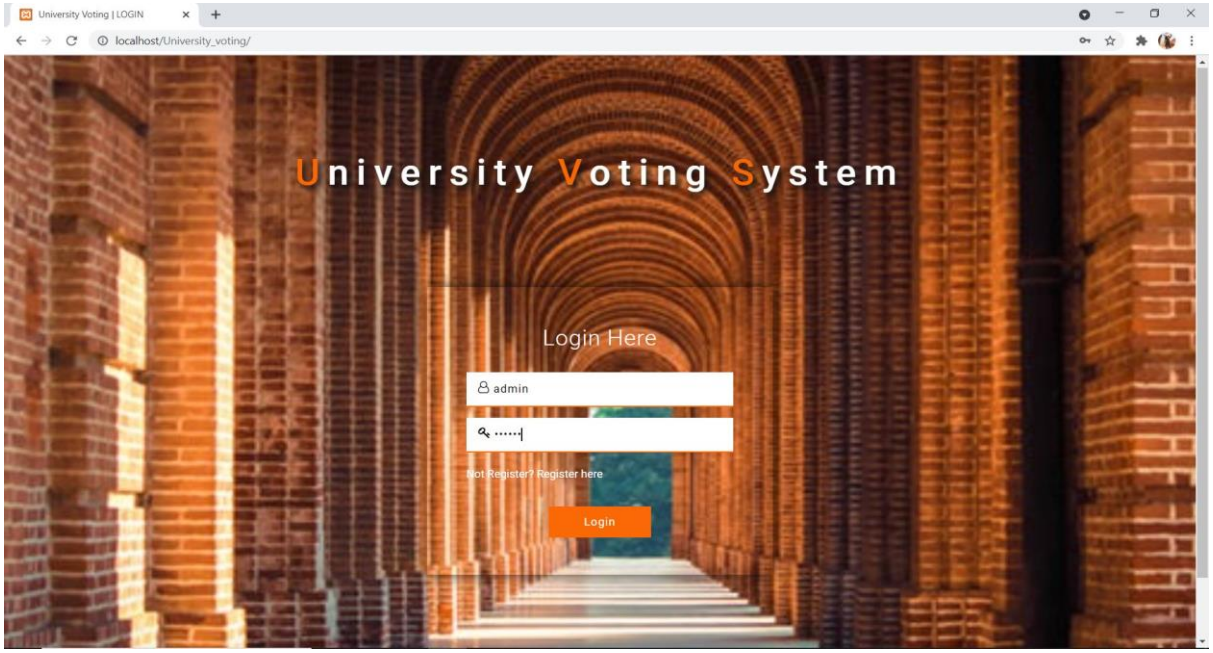
Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	Id	Varchar	8	foreign key	Id of candidate
2.	C_id	Varchar	10	foreign key	Foreign key from committee, Id of candidate
3.	Post	Varchar	10	Not_Null	post of candidate
4.	Bio	Varchar	500	Not_Null	Details of candidate

4) voting:- committee voting store

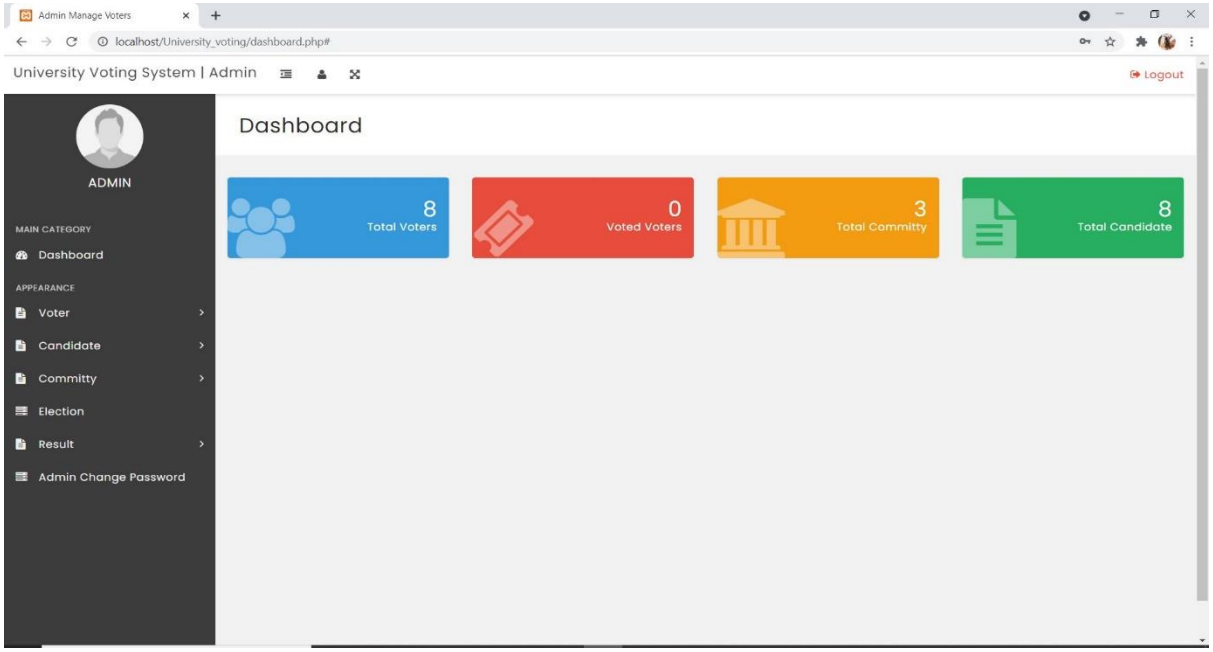
Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	C_id	Varchar	8	foreign key	Stores Id of voter.
2.	Cr	Varchar	8	Not_Null	Stored Id of CR which is selected/voted by voter.
3.	Fr	Varchar	8	Not_Null	Stored Id of FR which is selected/voted by voter.
4.	Fgs	Varchar	8	Not_Null	Stored Id of FGS which is selected/voted by voter.

Screen layouts

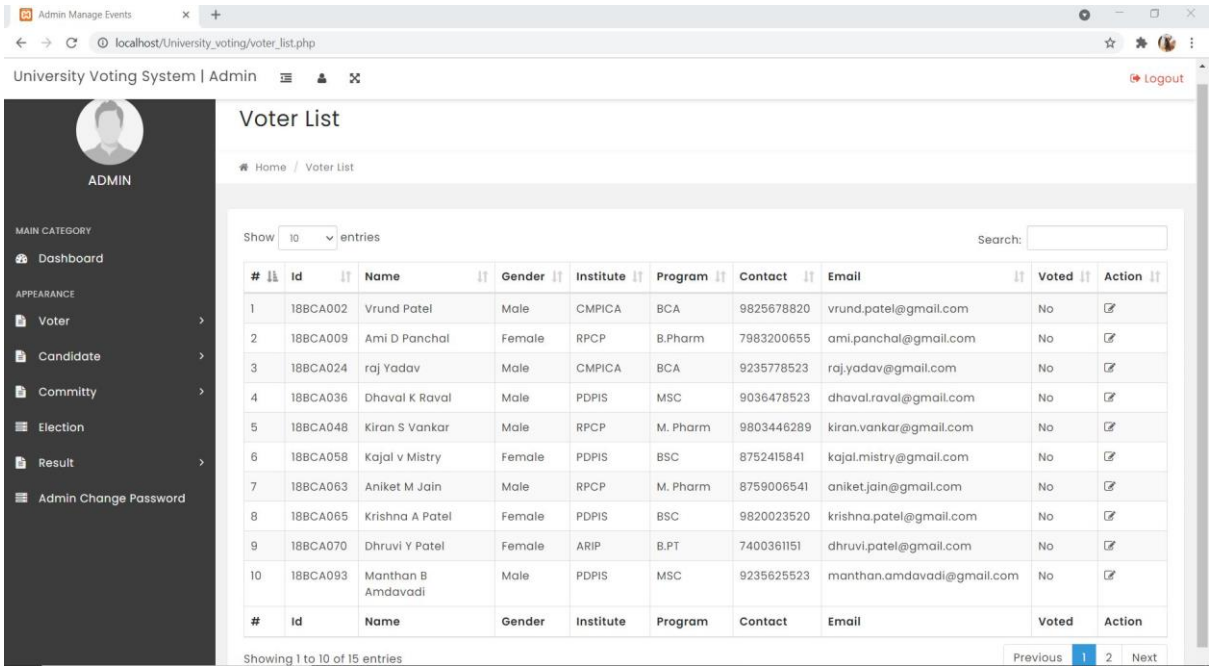
1. Login Page (admin id and password)



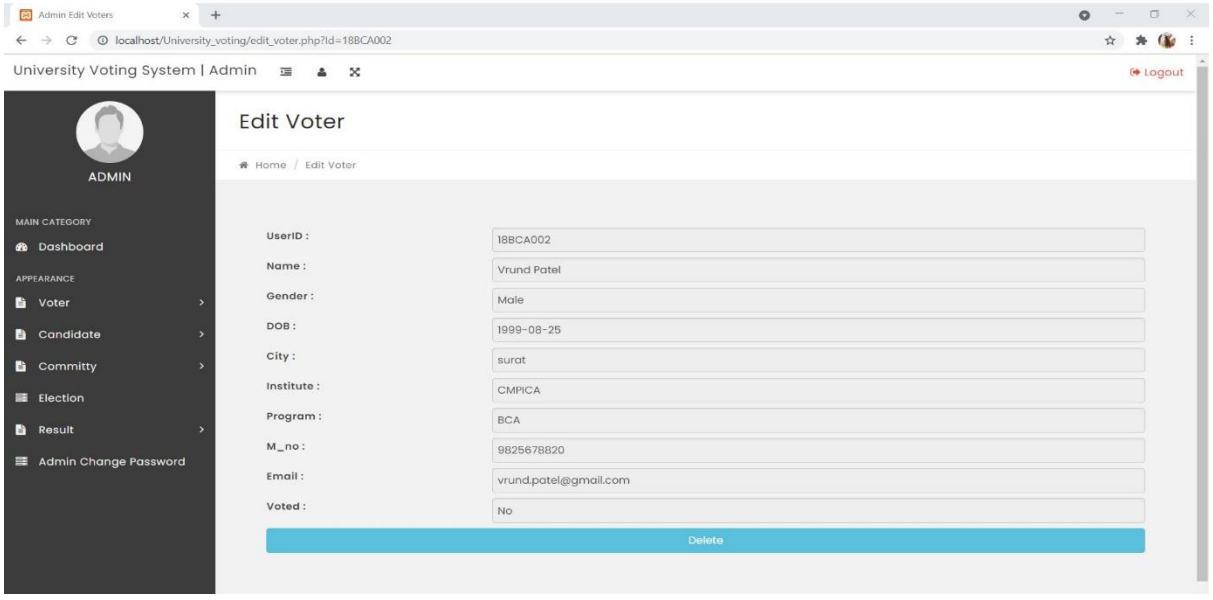
2. Admin Dashboard page.



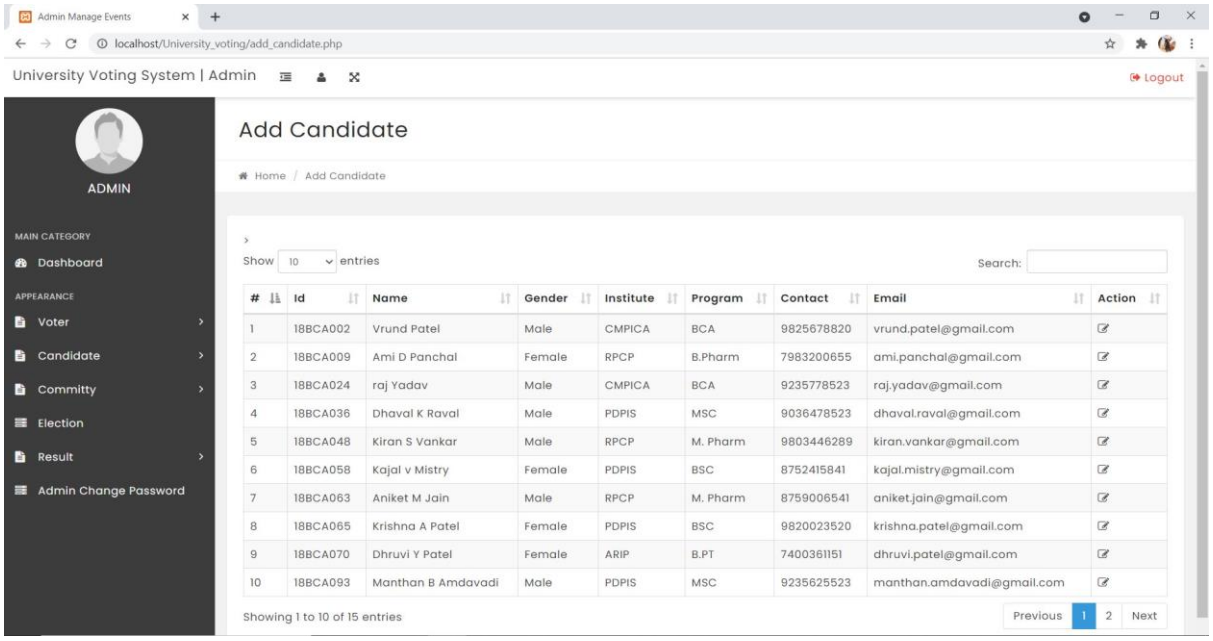
3. List of Voter

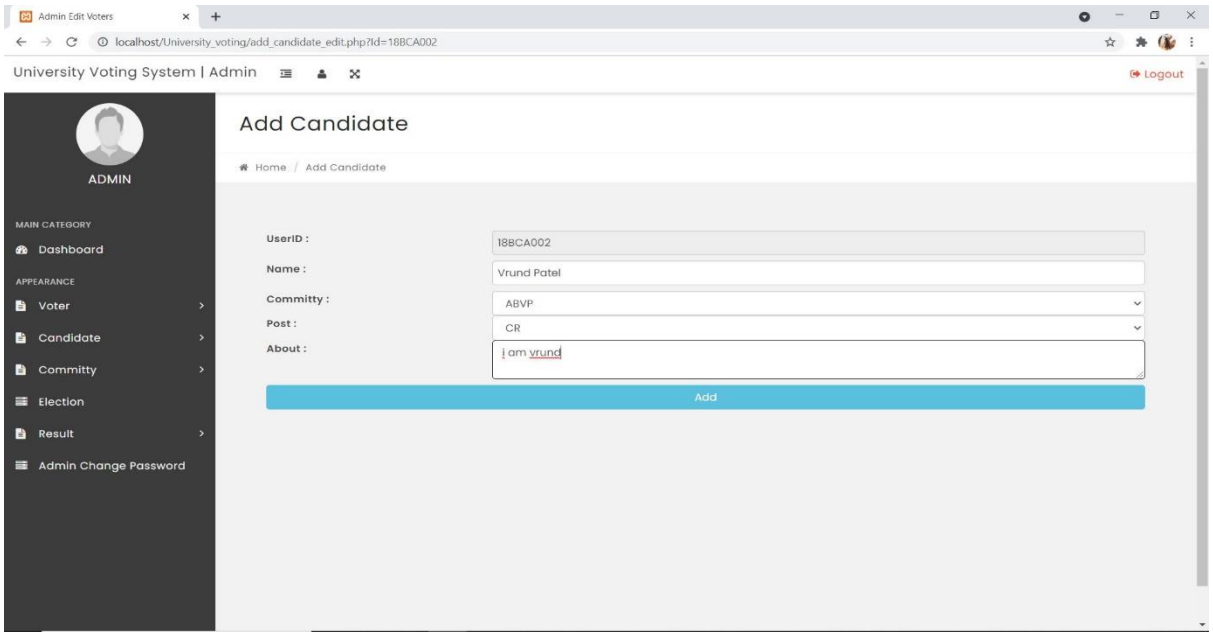


4. Delete Voter

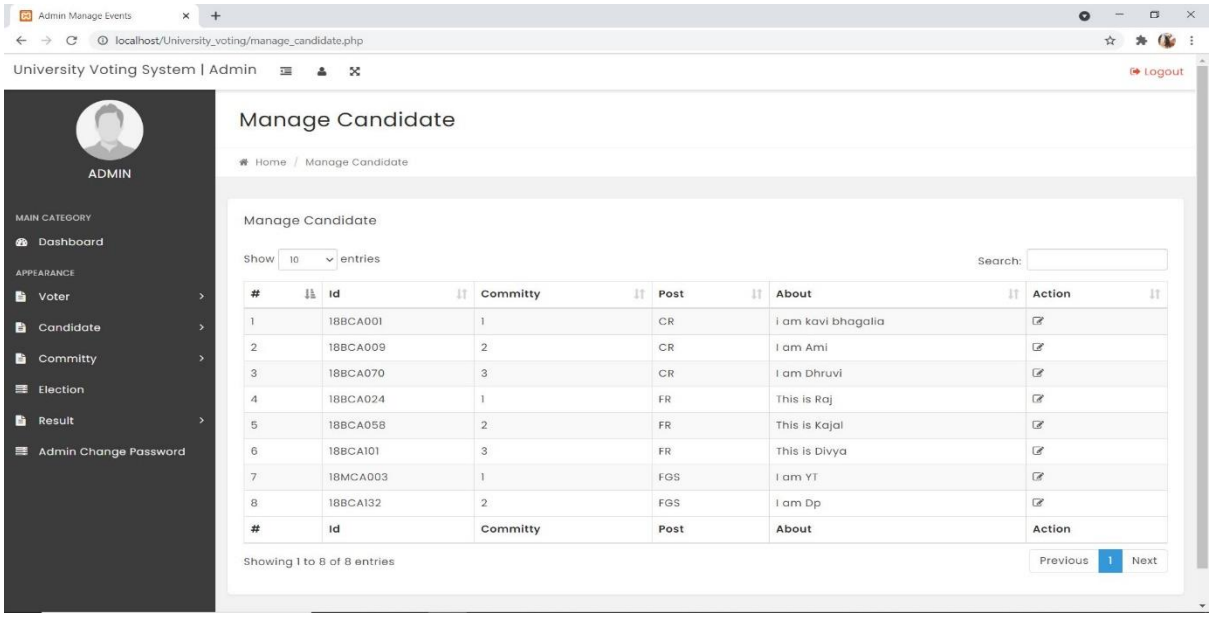


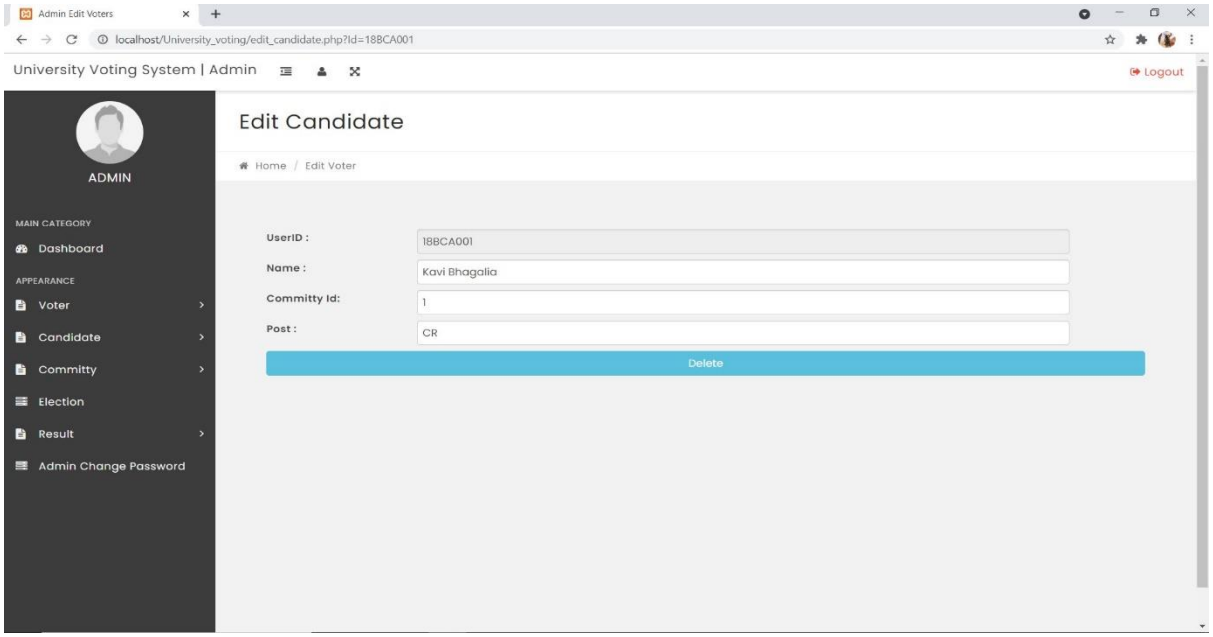
5. Add Candidate (View All voter > Click on Action To add)



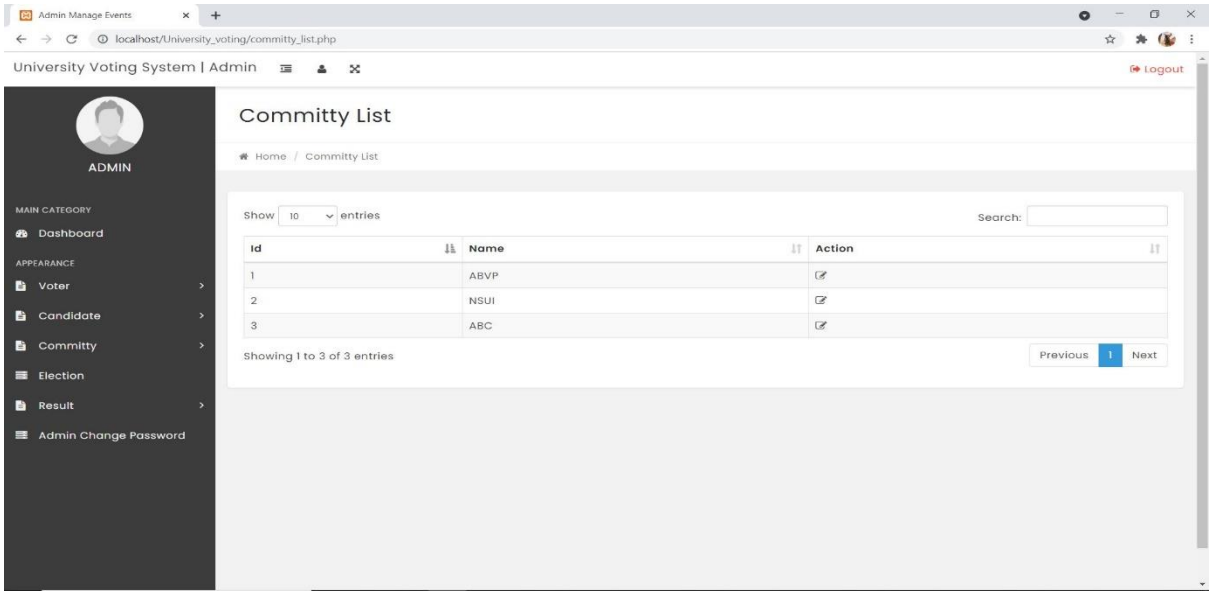


6. Manage Candidate (Display candidate list > click On Action and Delete)

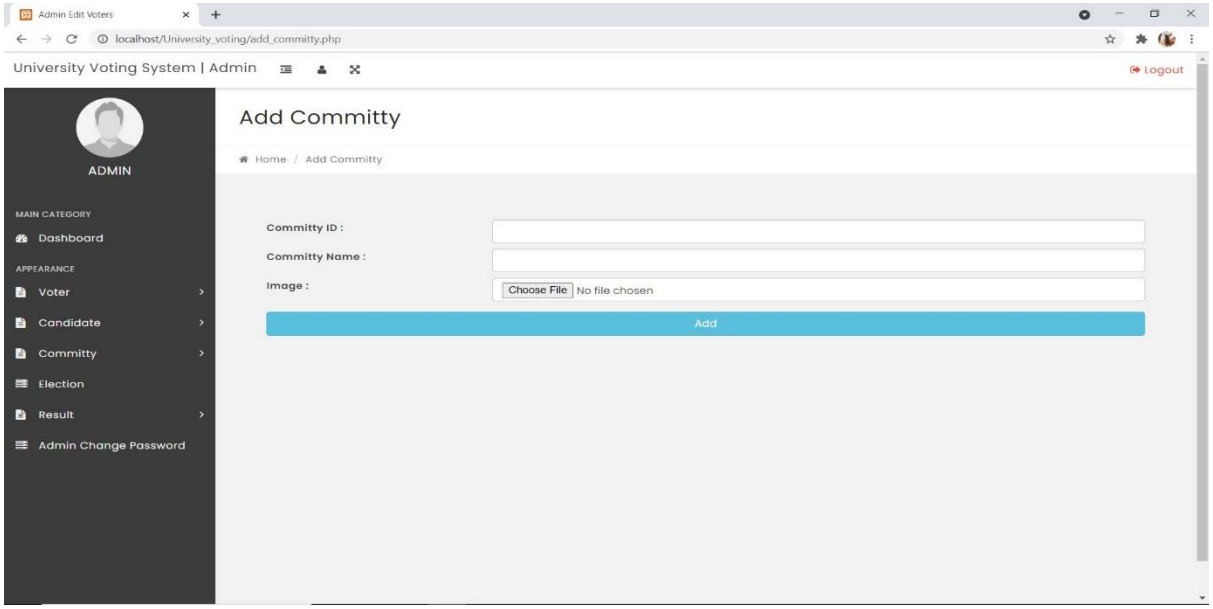




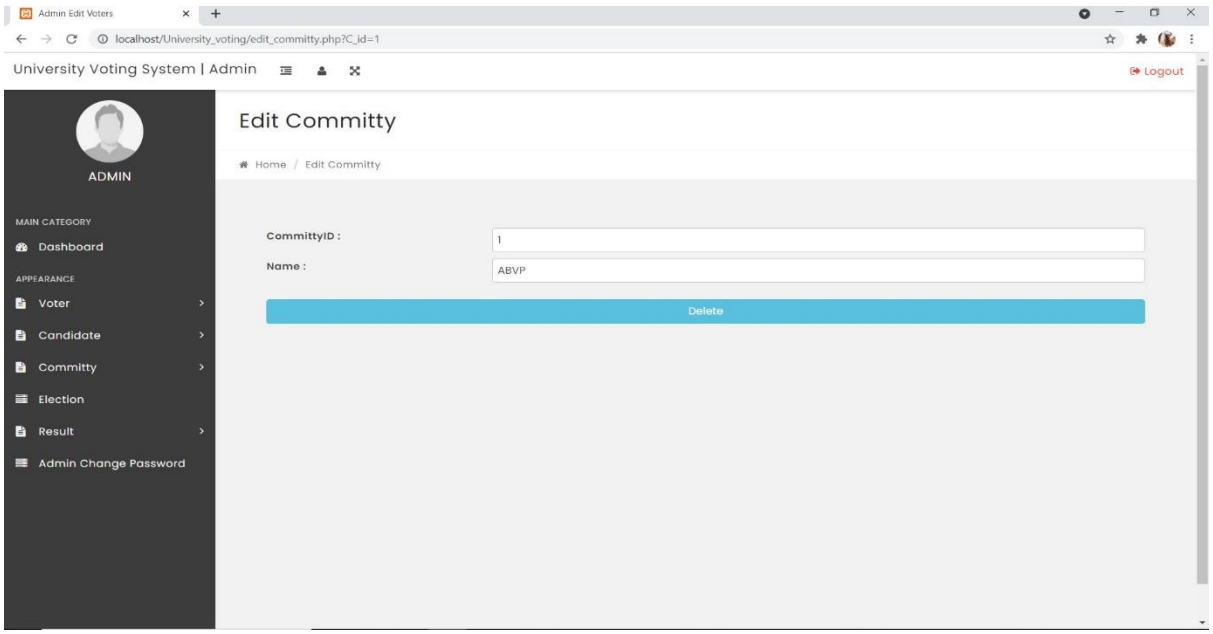
7. Committee List



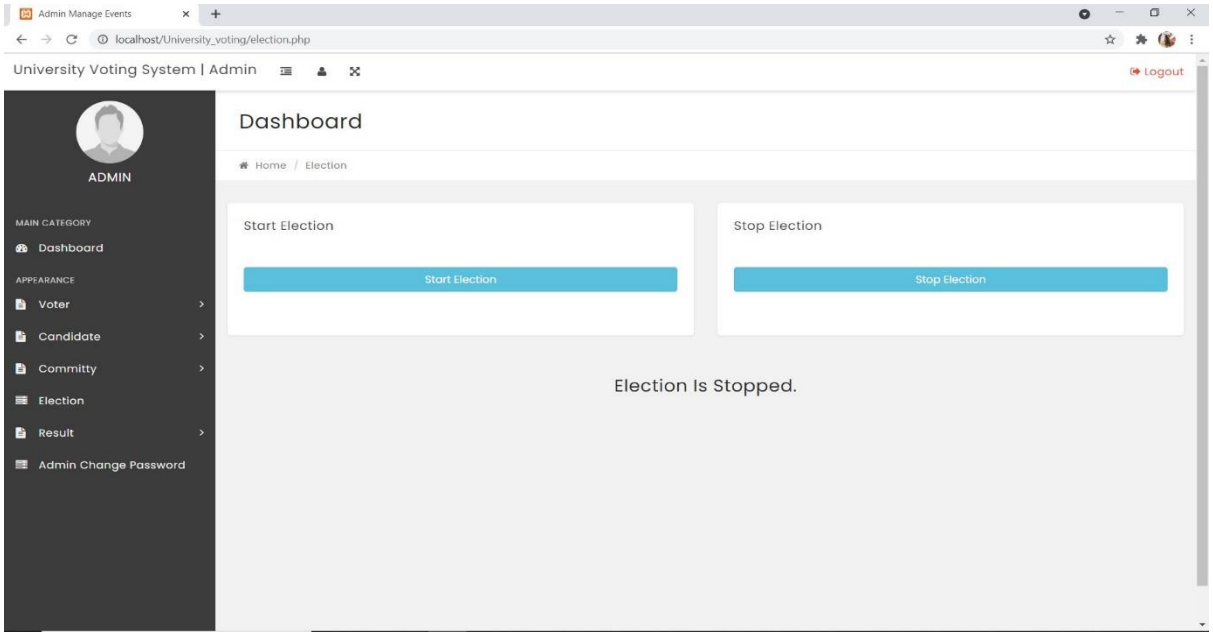
8. Add Committee



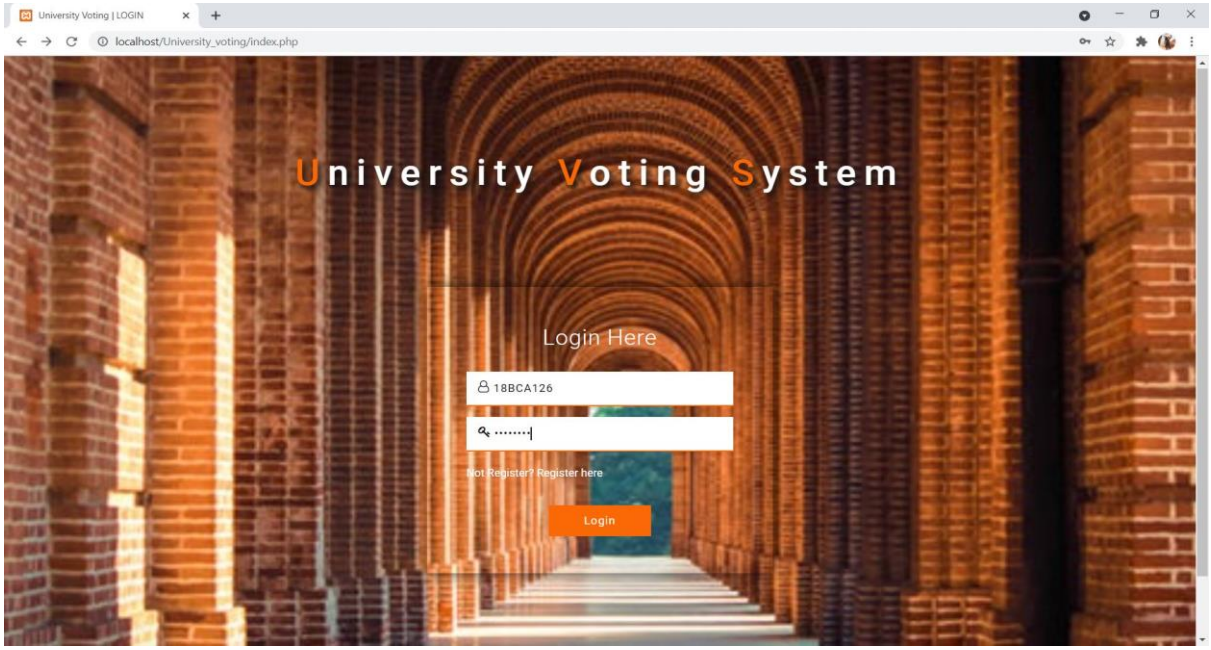
9. Edit Committee (To Delete Committee)



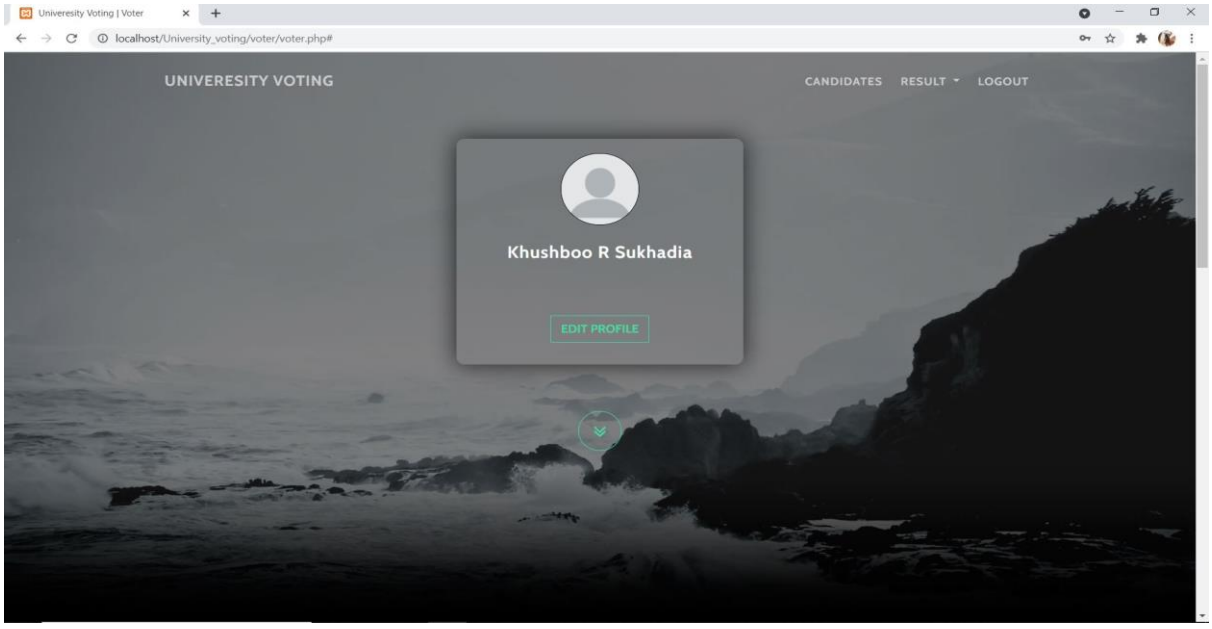
10. Election (Start And Stop Election)

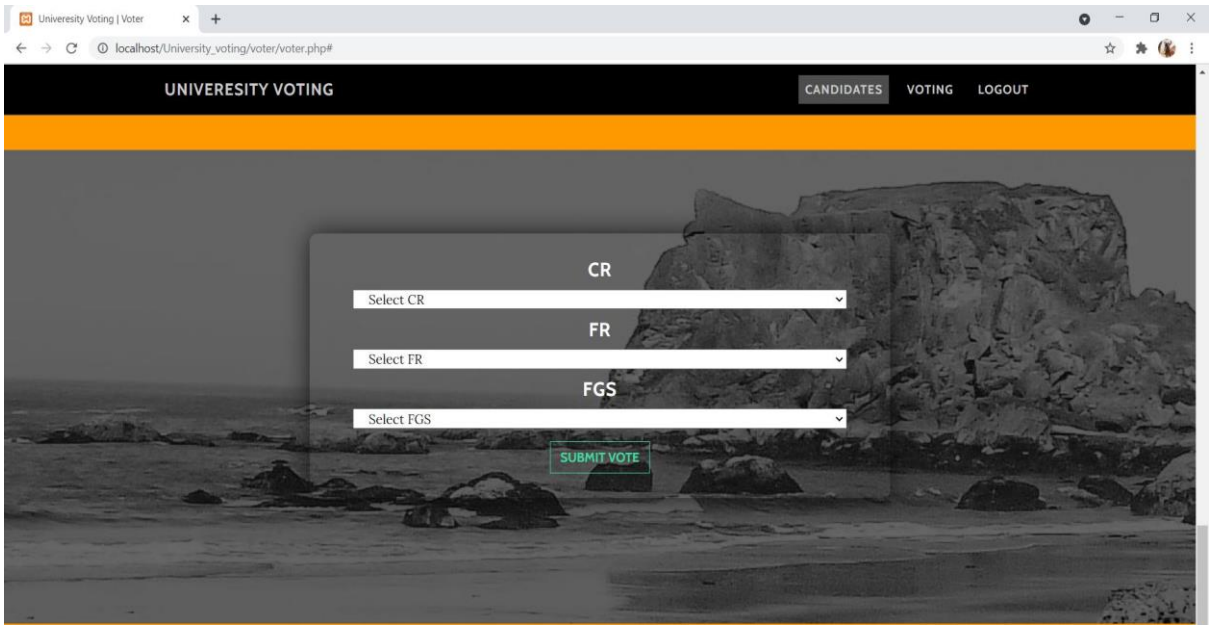


11. Login Page (voter id and password)

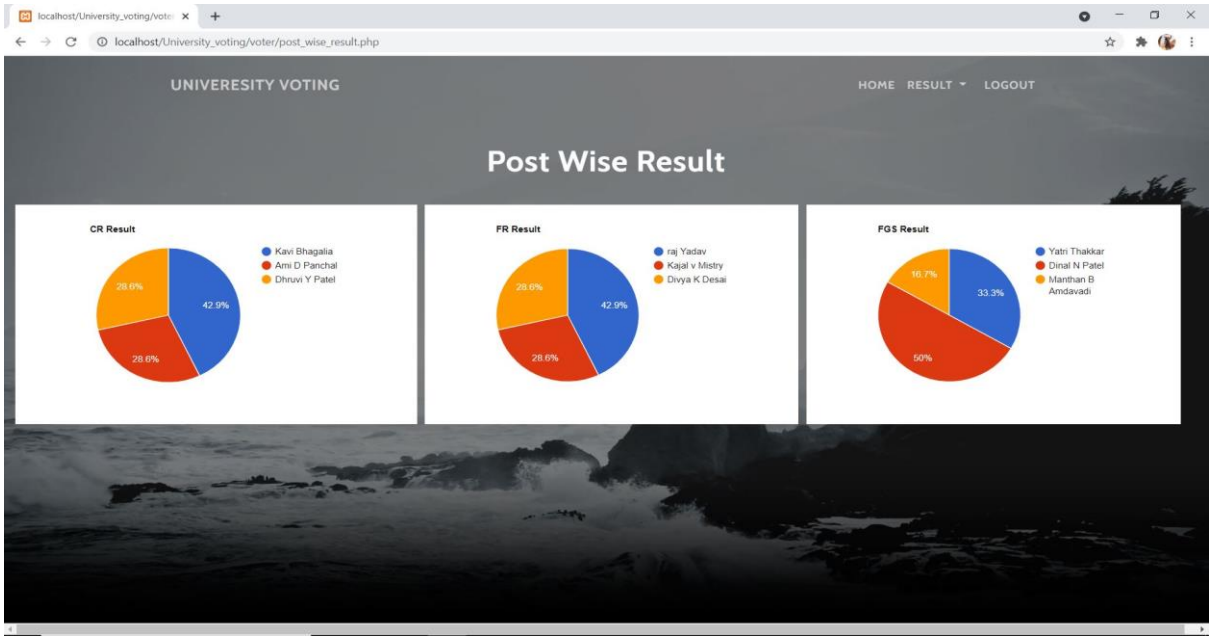


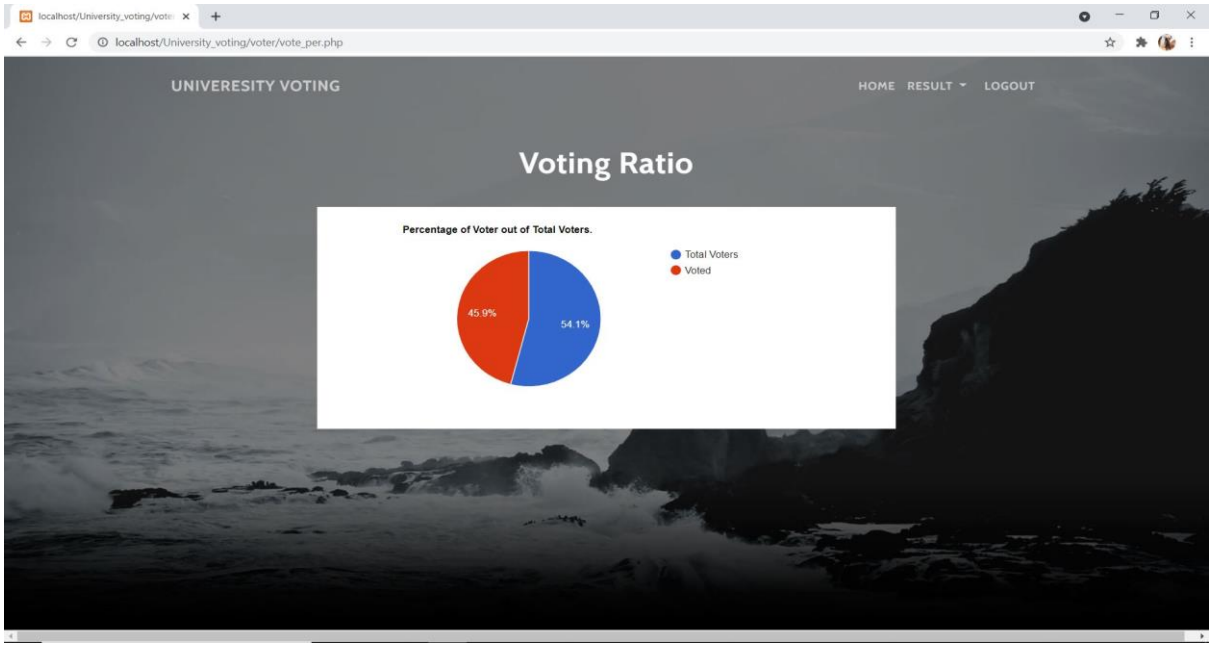
12. Voter Page (When Election Is Running)

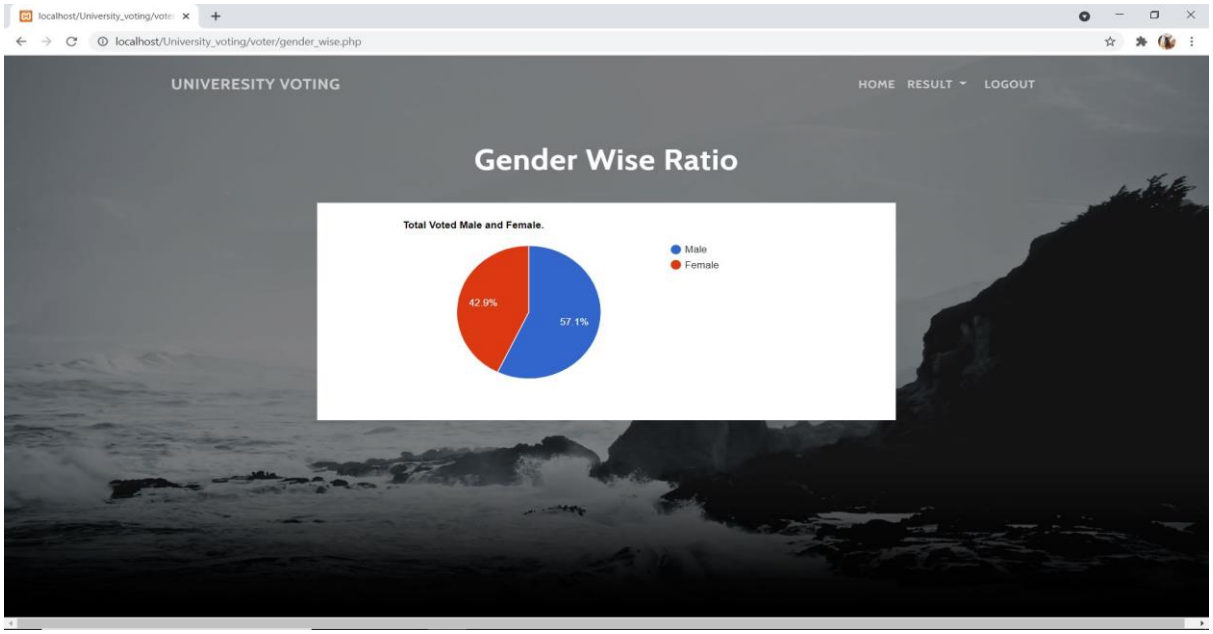


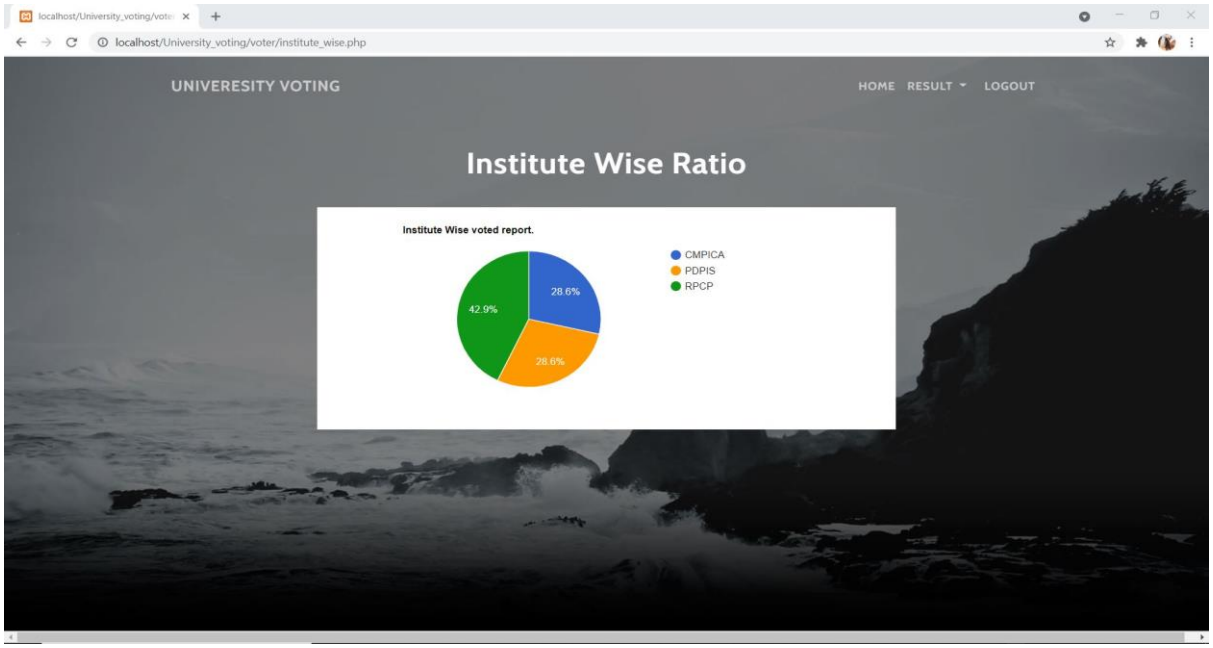


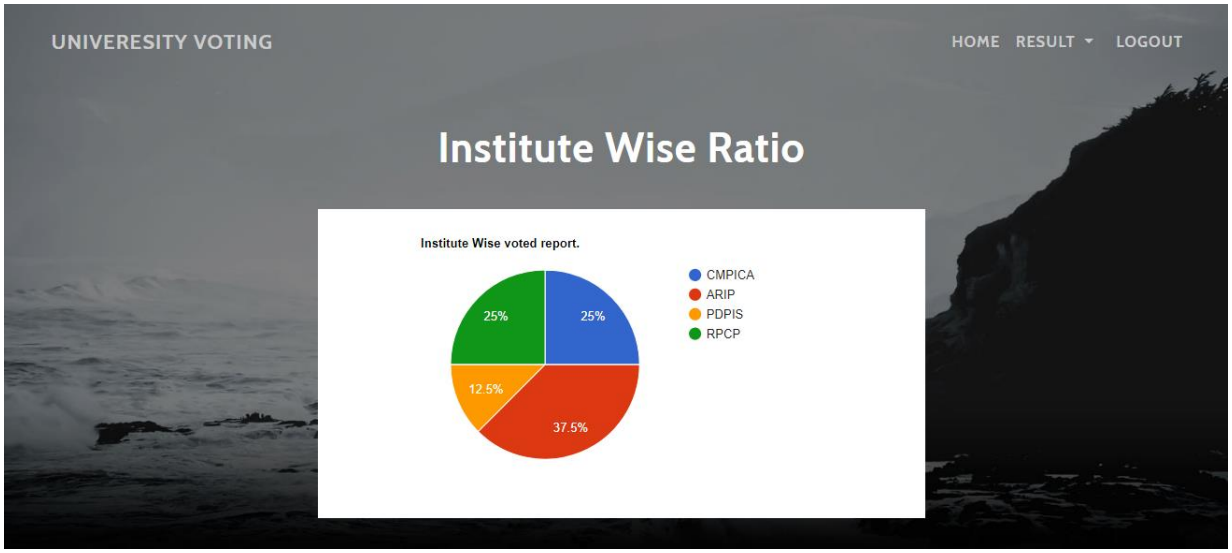
13. Voter Page (It Will Show Reports)




localhost/University_voting/voter/vote_per.php
UNIVERESITY VOTING
HOME
RESULT
LOGOUT
Voting Ratio
Percentage of Voter out of Total Voters.
Total Voters
Voted
45.9%
54.1%


localhost/University_voting/voter/gender_wise.php
UNIVERESITY VOTING
HOME
RESULT
LOGOUT
Gender Wise Ratio
Total Voted Male and Female.
Male
Female
42.9%
57.1%


localhost/University_voting/voter/institute_wise.php
UNIVERESITY VOTING
HOME
RESULT
LOGOUT
Institute Wise Ratio
Institute Wise voted report.
28.6%
42.9%
28.6%
CMPICA
PDPIS
RPCP


UNIVERESITY VOTING
HOME
RESULT
LOGOUT
Institute Wise Ratio
Institute Wise voted report.
25%
25%
12.5%
37.5%
CMPICA
ARIP
PDPIS
RPCP

FUTURE ENHANCEMENTS

- Live Results Can be added.
- OTP service can be added for more security.
- Reports Comparisons to past data.

REFERENCES

- **References :**

  - **www.w3schools.com**
  - **YouTube**

Thank You