

A

PROJECT REPORT

ON

“UNIVERSITY VOTING SYSTEM”

SUBMITTED FOR A MAJOR PROJECT OF THE DEGREE

OF

DIPLOMA IN COMPUTER SCIENCE AND

ENGINEERING

LATERAL ENTRY



LOVELY
PROFESSIONAL
UNIVERSITY

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LOVELY PROFESSIONAL UNIVERSITY

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UNIVERSITY VOTING SYSTEM

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ABSTRACT

Resources Required:-

Development Tool:- PHP

Database- My Sql

Server- WAMP/XAMPP Server

INTRODUCTION:-

“UNIVERSITY VOTING SYSTEM” is an online voting technique. In this system people who have student of LOVELY PROFESSIONAL UNIVERSITY of any sex can give his\her vote online without going to any polling booth. There is a DATABASE which is maintained by US in which all the names of voter with complete information is stored.

SCOPE:-

- This system will increase the voting percentage in India.

WORKING:-

In “UNIVERSITY VOTING SYSTEM” a voter can use his\her voting right online without any difficulty. Registration number is given to the voter, by using that Registration and his/her Email Id he\she can use his\her vote. If conditions are wrong then that entry will be discarded.

INTRODUCTION

1.1 Purpose

In “UNIVERSITY VOTING SYSTEM” a voter can use his\her voting right online without any difficulty. Registration number is given to the voter, by using that Registration and his/her Email Id he\she can use his\her vote. If conditions are wrong then that entry will be discarded.

1.2 Scope

The scope of the project that is hosted on the server. There is a DATABASE which is maintained by the US in which all the names of voter with complete information is stored.

1.3 Technologies to be used

This project will be a Web application to be developed in PHP having

- Database Design (My SQL)
- Form Design (HTML, CSS, JavaScript, BootStrap)
- Coding (PHP, JQuery)
- Testing (WAMP SERVER)
- Reporting Tool (Data Report)

1.4 Overview

- ✓ Project is related to UNIVERSITY Voting System.
- ✓ The project maintains two levels of users:-
 - Administrator Level
 - Voter Level
- ✓ Main facilities available in this project are:-
 - Maintaining voter's Identification.
 - Providing online voting management.
 - Providing Updation of voter's information.
 - Provide voter information to LPU.
 - LPU maintains the complete information of voter.
 - Voter can give his\her vote from any part of India.

OVERALL DESCRIPTION

2.1 Goals of proposed system

1. **Planned approach towards working:** - The working in the organization will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.
2. **Accuracy:** - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the center is accurate.
3. **Reliability:** - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.
4. **No Redundancy:** - In the proposed system utmost(most extreme) care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.
5. **Immediate retrieval of information:** - The main objective of proposed system is to provide for a quick and efficient retrieval of information.
6. **Immediate storage of information:** - In manual system there are many problems to store the largest amount of information.
7. **Easy to Operate:** - The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the user.

2.2 Background

UNIVERSITY VOTING SYSTEM is a voting system by which any Voter can use his\her voting rights from any where in India. UNIVERSITY VOTING SYSTEM 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 sent to LPU.

2.3 Project Requirements

Hardware Requirements (*Processor RAM Disk Space*)

Pentium II, Pentium III, Pentium IV, Higher 128 Mb or Higher 130 Mb OR HIGHER

Software Requirements (*Operating System Database*)

Win-98, Win-XP, Linux, OR HIGHER

2.4 User Characteristics

Every user should be:

- ✓ Comfortable with Internet Browser.
- ✓ He must have brief knowledge of voting system.
- ✓ He must also have basic knowledge of English too.

2.5 Constraints

- ✓ GUI is only in English.
- ✓ Email, OTP and Reg. no is used for identification of Voter.

2.6 Definitions of problems

- **OTP Verification:** In this existing system, while login voter's can't get otp every time that's why we used a pre generated otp sended to the voters email.

CHAPTER-3

FEASIBILITY STUDY

Depending on the results of the initial investigation the survey is now expanded to a more detailed feasibility study. “*FEASIBILITY STUDY*” is a test of system proposal according to its workability, impact of the organization, ability to meet needs and effective use of the resources. It focuses on these major questions:

1. What are the user's demonstrable needs and how does a candidate system meet them?

2. What resources are available for given candidate system?
3. What are the likely impacts of the candidate system on the organization?
4. Whether it is worth to solve the problem?

During feasibility analysis for this project, following primary areas of interest are to be considered.
Investigation and generating ideas about a new system does this.

Steps in feasibility analysis

Eight steps involved in the feasibility analysis are:

- Form a project team and appoint a project leader.
- Prepare system flowcharts.
- Enumerate potential proposed system.
- Define and identify characteristics of proposed system.
- Determine and evaluate performance and cost effective of each proposed system.
- Weight system performance and cost data.
- Select the best-proposed system.
- Prepare and report final project directive to management.

3.1 Technical feasibility

A study of resource availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not.

- Can the work for the project be done with current equipment existing software technology & available personal?
 - Can the system be upgraded if developed?
 - If new technology is needed then what can be developed?
 -
-
- This is concerned with specifying equipment and software that will successfully satisfy the user requirement. The technical needs of the system may include:

Front-end and back-end selection

An important issue for the development of a project is the selection of suitable front-end and back-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the organization as well as helps in development of the project.

The aspects of our study included the following factors.

Front-end selection:

1. It must have a GUI that assists employees that are not from IT background.
2. Scalability and extensibility.
3. Flexibility.
4. Robustness.
5. According to the organization requirement and the culture.
6. Must provide excellent reporting features with good printing support.
7. Platform independent.
8. Easy to debug and maintain.
9. Event driven programming facility.
10. Front end must support some popular back end like Ms Access.

According to the above stated features we selected PHP as the front-end for developing our project.

Back-end Selection:

1. Multiple user support.
2. Efficient data handling.
3. Provide inherent features for security.
4. Efficient data retrieval and maintenance.
5. Stored procedures.
6. Popularity.
7. Operating System compatible.
8. Easy to install.
9. Various drivers must be available.
10. Easy to implant with the Front-end.

According to above stated features we selected MY SQL as the backend.

The technical feasibility is frequently the most difficult area encountered at this stage. It is essential that the process of analysis and definition be conducted in parallel with an assessment to technical feasibility. It centers on the existing computer system and to what extent it can support the proposed system.

3.2 Schedule feasibility

Time evaluation is the most important consideration in the development of project. The time schedule required for the developed of this project is very important since more development time effect machine time, cost and cause delay in the development of other systems.

A reliable **Online voting system** can be developed in the considerable amount of time

CHAPTER-4

DESIGN

4.1 Software Requirement Specification

4.1.1 Objective:

The main objectives of system for ***University voting system*** are:

- The objective of **University voting system** is to help the organization in automating the whole manual processing of the existing system.

- The main objective to develop the system is to make the accurate & efficient decisions in different tasks at different time at different situations. The existing system is manual so members of the unit generally face a lot of embarrassing situations many times. Now they need to automate the whole process so as to make it more easy and accurate.
- System should support multi-user environment.
- System should be fully automated.
- System should provide concrete security features like creating users and assigning privileges to users of the system.
- System should be capable to keep track of all the detailed descriptions of the client and the whole details of services offered by the client organization.
- Various outputs (reports) should be available online any time.
- System should be able to handle extremely large volumes of data (i.e. Large database support)

4.1.2 Scope:-

1. **Advanced technology**- It is an advanced technology used now a days. It increases the E knowledge of the users which is very necessary for current generation.
2. **Internet**: It is an online facility and hence very useful for the users.
Voters can vote from any where at any time in India.
3. **E-Mails**: LPU can send the otp to a all user.

4.1.3 Advantages:

- Fast and easy service.
- The university voting system provides a less time consuming .
- It reduces the paper work and makes the work less tedious for LPU.
- It is a better way for voting.
- By this voting percentage will increase drastically.

Voter has no need to go to any polling booth ,so it is easy to use.

4.1.4 Technologies to be used:-

This project will be a Web application to be developed in PHP having

- Database Design (My SQL)
- Form Design (HTML)
- Coding (PHP)
- Testing (XAMP/WAMPP SERVER)

3.1.5 OVERVIEW:

1. Requirements:

- **FUNCTIONAL REQUIREMENTS:**

- Registration of the voter is done by LPU.
- LPU can change the information any time if required.
- Registration of the Voter depends upon the information filled by the user.
- Voter is given a unique Registration ID.
- Voter can give vote after login.
- In the DATABASE information of every voter is stored.
- Database shows the information of every user.

- **NON-FUNCTIONAL REQUIREMENTS:**

1. Secure access of confidential data (user's details). SSL can be used.
2. Better component design to get better performance at peak time.
3. Flexible service based architecture will be highly desirable for future extension

2. Project Requirements

Hardware Requirements (Processor *RAM Disk Space*)

Pentium II, Pentium III, Pentium IV, Higher 64 Mb or Higher 130 Mb

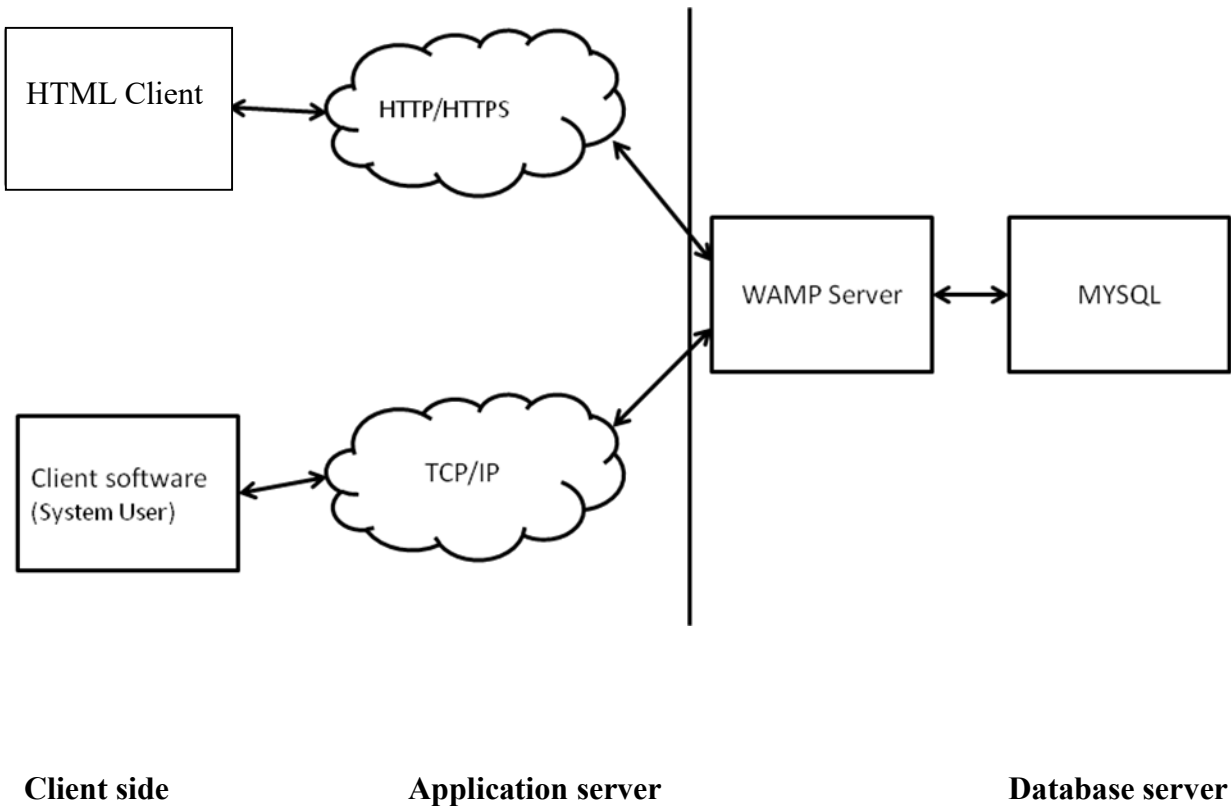
Software Requirements (Operating System *Database*)

Win-98, Win-XP, Linux

3. Software interface:

- Client on Internet: Web Browser, Operating System (Windows).
- . Client on intranet: Client Software, Web Browser, Operating System (Windows).
- Web Server: WAMP Server, Operating System (Windows)
- Data Base server: MYSQL, Operating System (Windows).

4. Communication interface:



The above diagram shows the connectivity between the client side, application server and database server. The client or customer can access the HTML server or client software. These are connected to the Wamp Server (WAMP) by a TCP/IP which is a communication protocol used to connect the teachers or parents to the internet. This WAMP Server now directly communicates with the database made in MYSQL. All the enquires or data will be retrieved from the database.

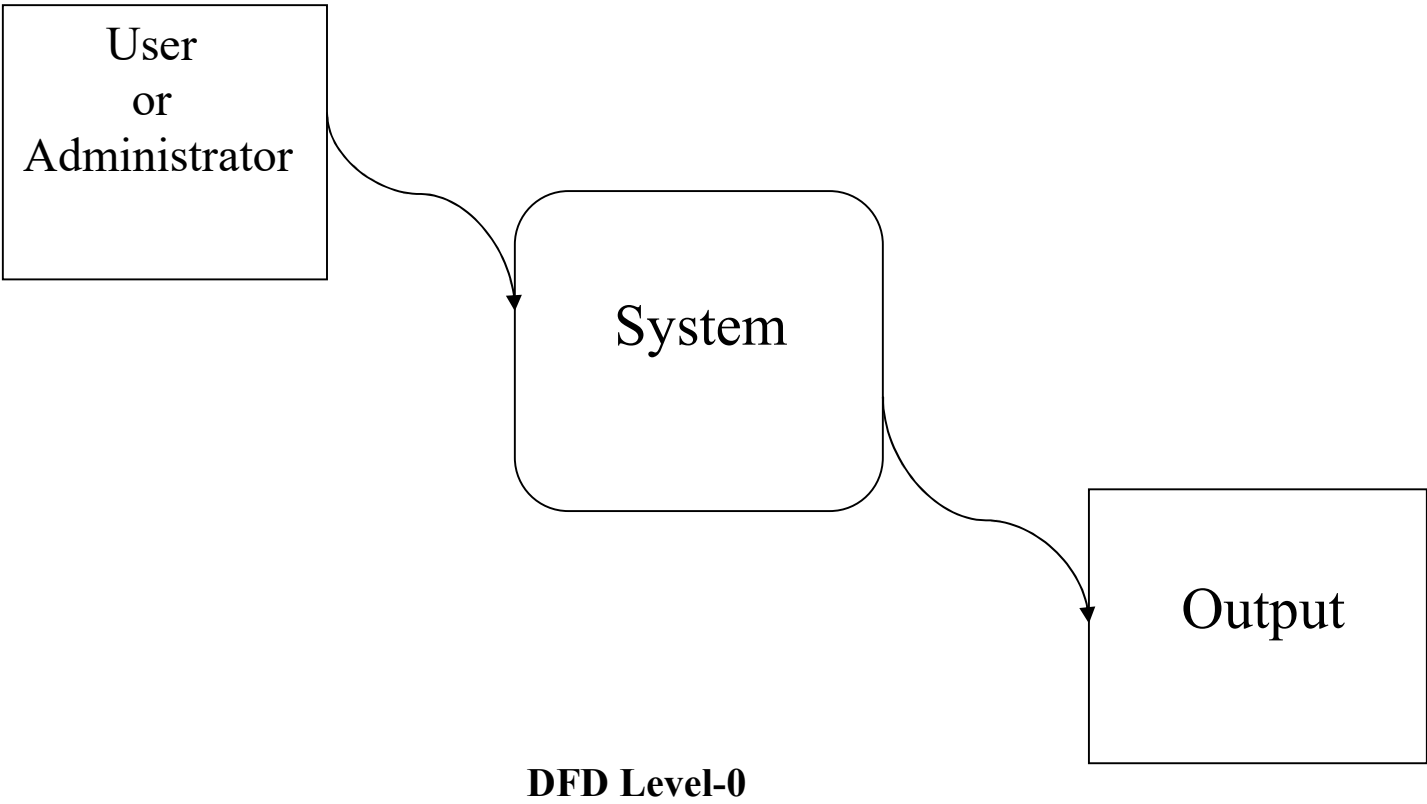
4.1.6 Summary:

“UNIVERSITY VOTING SYSTEM” is an online voting technique. In this system people who have student of LOVELY PROFESSIONAL UNIVERSITY of any sex can give his\her vote online without going to any polling booth. There is a DATABASE which is maintained by US in which all the names of voter with complete information is stored.

In “UNIVERSITY VOTING SYSTEM” a voter can use his\her voting right online without any difficulty. Registration number is given to the voter, by using that Registration and his/her Email Id he\she can use his\her vote. If conditions are wrong then that entry will be discarded.

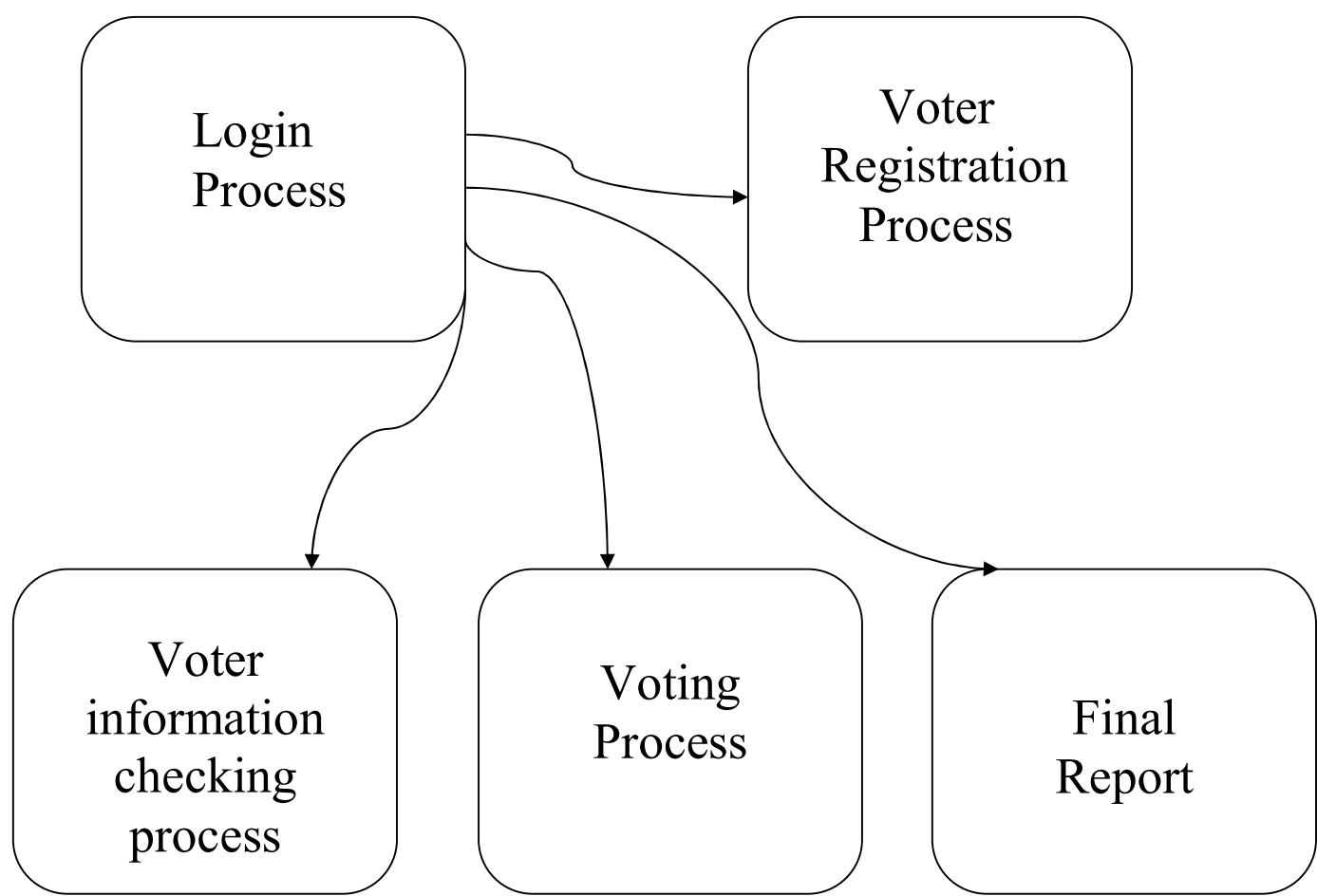
4.2 Data Flow Diagram

DFD: Level 0



The above diagram is a 0-level DFD that only shows the flow of data between the various and the system. In online voting system the Administrator is the controller of the system and all the decisions are made by him. The Administrator can handle the entire voter and their details, voting details etc. and view details of them and he can update that detail also.

DFD: Level 1:-

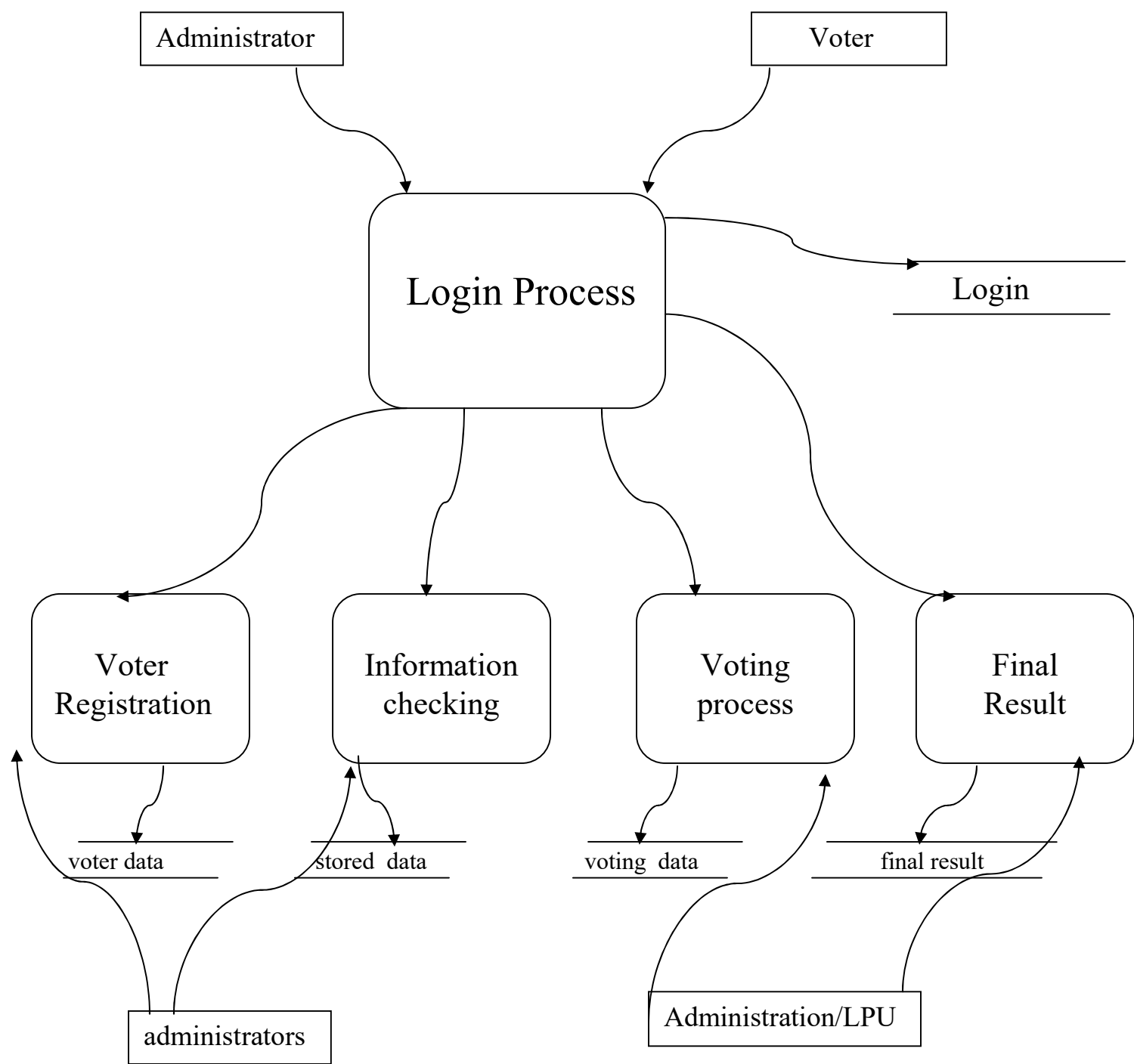


DFD Level 1

The above shown diagram is a 1-level Data Flow Diagram for the Online voting system. According to this DFD various process are done after login process. The Administrator can register voter. The ELECTION COMMISION can register the voters and voter can use their voting rights. The voter can view the final report after giving vote..

DFD: Level 2

2.1:-



DFD: Level 2.1

The above shown diagram is a 2.1 level Data Flow Diagram for the Online voting system. According to this DFD. The Administrator can register the voter information. Administrator can allow or denies the voter. A voter can give vote if all the information filled by him\her are correct.

SYSTEM MODLING

Entity Relationship Diagram

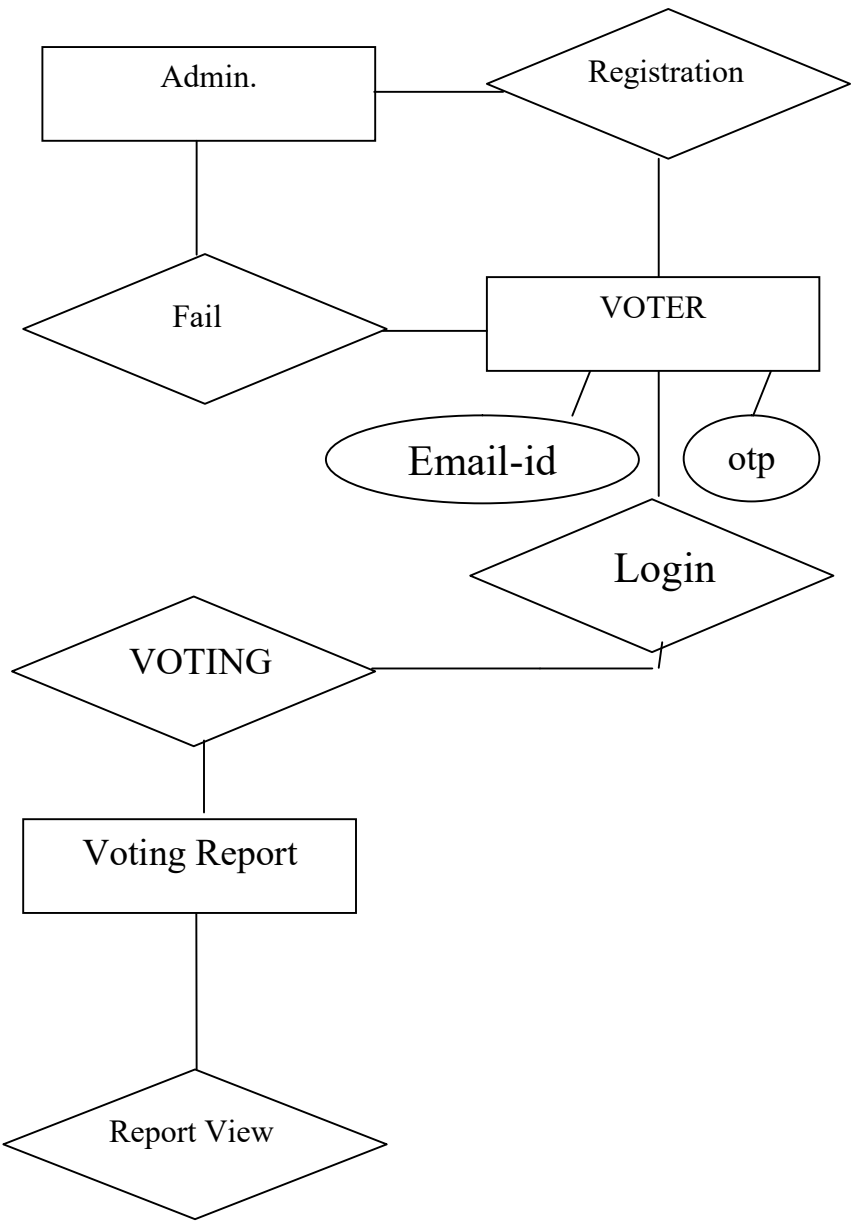


Fig.- E-R Diagram

The entity relationship diagram shows the relationship between the various users and their attributes. There is a relationship between the election commission and voter.

The VOTER has different attributes to store their data to data base are follows:-

- 1. Name-Name contain first name, middle name, last name.
- 2. Email
- 3. Course
- 4. Year
- 5. Registration number/Student ID
- 6. OTP

Data Base Tables:-

Admin Table:-

+ Options

					id	username	password	name	
<input type="checkbox"/>		Edit		Copy		Delete	1	uvs_admin_navjot	Administrator1
<input type="checkbox"/>		Edit		Copy		Delete	2	uvs_admin_animesh	Administrator2
<input type="checkbox"/>		Edit		Copy		Delete	3	uvs_admin_rohan	Administrator3
<input type="checkbox"/>		Edit		Copy		Delete	4	uvs_admin_suraj	Administrator4

☐ Check all

With selected:

Edit

Copy

Delete

Export

Voter information Data Table:-


Position information Data Table:-


Show all

Number of rows: 23

Filter rows:

+ Options


				id	org	pos
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	DIPLOMA	Favorite Faculty




☐ Check all

With selected:

 Edit











 Copy

 Delete

 Export

Votes information Data Table:-

+ Options

					id	org	pos	candidate_id	voters_id
<input type="checkbox"/>	 Edit	 Copy	 Delete		15	DIPLOMA	Favorite Faculty	5	1
<input type="checkbox"/>	 Edit	 Copy	 Delete		16	DIPLOMA	Favorite Faculty	5	13
<input type="checkbox"/>	 Edit	 Copy	 Delete		17	DIPLOMA	Favorite Faculty	5	24
<input type="checkbox"/>	 Edit	 Copy	 Delete		18	DIPLOMA	Favorite Faculty	6	10
<input type="checkbox"/>	 Edit	 Copy	 Delete		19	DIPLOMA	Favorite Faculty	5	20
<input type="checkbox"/>	 Edit	 Copy	 Delete		20	DIPLOMA	Favorite Faculty	2	7
<input type="checkbox"/>	 Edit	 Copy	 Delete		21	DIPLOMA	Favorite Faculty	5	2
<input type="checkbox"/>	 Edit	 Copy	 Delete		22	DIPLOMA	Favorite Faculty	2	26
<input type="checkbox"/>	 Edit	 Copy	 Delete		23	DIPLOMA	Favorite Faculty	5	21

(User Side)**Index.php:**

```
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

    <style type="text/css">
        .login-form {
            width: 340px;
            margin: 50px auto;
        }
        .login-form form {
            margin-bottom: 15px;
            background: #f7f7f7;
            box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
            padding: 30px;
        }
        .login-form h2 {
            margin: 0 0 15px;
        }
        .form-control, .btn {
            min-height: 38px;
            border-radius: 2px;
        }
        .btn {
            font-size: 15px;
            font-weight: bold;
        }

        .second_box
        {
            display:none;
        }
        .field_error
        {
            color:red;
        }

        body, html {
```

```

        height: 100%;
    }

    .bg {
        /* The image used */
        background-image: url("images/background1.jpg");

        /* Full height */
        height: 100%;

        /* Center and scale the image nicely */
        background-position: center;
        background-repeat: no-repeat;
        background-size: cover;
    }

</style>

</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.php">University Voting System</a>
        </div>

        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav navbar-right">
            </ul>
        </div>

    </div><!-- /.container-fluid -->
</nav>
<!-- End Header -->

```

```

<br><br><br><br><br><br><br><br><br><br>

```

```

<div class="container">
    <div class="row">
        <div class="col-md-4 col-md-offset-4">
            <div class="login-con">
                <h3 style="color: white;">Student Log-in</h3><hr>
            </div>
        </div>
    </div>
</div>

```



```

        <!-- OTP Verification form -->
        <form method="post">
            <div class="form-group first_box">
                <input type="text" id="email" class="form-control"
placeholder="Email" required="required">
                <span id="email_error" class="field_error"></span>
            </div>
            <div class="form-group first_box">
                <button type="button" class="btn btn-primary btn-
block" onclick="send_otp()">Send OTP</button>
            </div>
            <div class="form-group second_box">
                <input type="text" id="otp" class="form-control"
placeholder="OTP" required="required">
                <span id="otp_error" class="field_error"></span>
            </div>
            <div class="form-group second_box">
                <button type="button" class="btn btn-primary btn-
block" onclick="submit_otp()">Submit OTP</button>
            </div>
        </form>
    </div>
</div>
</div>
</div>
</div>

<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
</a>
        </div>
    </div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

<script>

```

```
function send_otp(){
    var email=jQuery('#email').val();
    jQuery.ajax({
        url:'send_otp.php',
        type:'post',
        data:'email='+email,
        success:function(result){
            if(result=='yes'){
                jQuery('.second_box').show();
                jQuery('.first_box').hide();
            }
            if(result=='not_exist'){
                jQuery('#email_error').html('Please enter valid email');
            }
        }
    });
}

function submit_otp(){
    var otp=jQuery('#otp').val();
    jQuery.ajax({
        url:'check_otp.php',
        type:'post',
        data:'otp='+otp,
        success:function(result){
            if(result=='yes'){
                window.location='index1.php'
            }
            if(result=='not_exist'){
                jQuery('#otp_error').html('Please enter valid otp');
            }
        }
    });
}
</script>

</body>
</html>
```

Send_otp.php

```
<?php
session_start();
$con=mysqli_connect('localhost','root','','voting');
$email=$_POST['email'];
$res=mysqli_query($con,"select * from voters where email='$email'");
$count=mysqli_num_rows($res);
if($count>0){
    //$otp=rand(111111,999999);
    //mysqli_query($con,"update voters set otp='$otp' where email='$email'");
    $_SESSION['EMAIL']=$email;
    echo "yes";
}else{
    echo "not_exist";
}
```

```
}
```

```
?>
```

Check_otp.php

```
<?php
session_start();
$con=mysqli_connect(localhost,'root','','voting');
$otp=$_POST['otp'];
$email=$_SESSION['EMAIL'];
$res=mysqli_query($con,"select * from voters where email='$email' and otp='$otp'");
$count=mysqli_num_rows($res);
if($count>0){
    //mysqli_query($con,"update voters set otp='' where email='$email'");
    $_SESSION['IS_LOGIN']=$email;
    echo "yes";
}else{
    echo "not_exist";
}
?>
```

Index1.php

```
<?php
//Start session
session_start();

unset($_SESSION['ID']);
unset($_SESSION['NAME']);
unset($_SESSION['COURSE']);
unset($_SESSION['YEAR']);
unset($_SESSION['STUD_ID']);

$con=mysqli_connect('localhost','root','','voting');
$email=$_SESSION['EMAIL'];

?>
```

```
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }
```

```

input[type="text"]{
    font: large Verdana,sans-serif;
    letter-spacing: 1px;
}

input[type="password"]{
    font: large Verdana,sans-serif;
    letter-spacing: 1px;
}

body, html {
    height: 100%;
}

.bg {
    /* The image used */
    background-image: url("images/background1.jpg");

    /* Full height */
    height: 100%;

    /* Center and scale the image nicely */
    background-position: center;
    background-repeat: no-repeat;
    background-size: cover;
}

</style>
</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.php">University Voting System</a>
        </div>

        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav navbar-right">

                </ul>
        </div>
    </div>

```

```

        </div><!-- /.container-fluid -->
</nav>
<!-- End Header -->

<br><br><br><br><br><br><br><br><br><br><br>

<div class="container">
    <div class="row">
        <div class="col-md-4 col-md-offset-4">
            <div class="login-con">
                <h3 style="color: white;">Student Log-in</h3><hr>
                <?php
                    if(isset($_SESSION['ERROR_MSG_ARRAY']) &&
is_array($_SESSION['ERROR_MSG_ARRAY']) && COUNT($_SESSION['ERROR_MSG_ARRAY']) > 0) {
                        foreach($_SESSION['ERROR_MSG_ARRAY'] as $msg) {
                            echo "<div class='alert alert-danger'>";
                            echo $msg;
                            echo "</div>";
                        }
                        unset($_SESSION['ERROR_MSG_ARRAY']);
                    }
                ?>

                <form method="post" action="process/login.php" role="form">
                    <div class="form-group has-warning has-feedback">
                        <br>
                        <input type="text" name="stud_id" id="stud_id"
class="form-control" autocomplete="off" placeholder="Enter Regestration Number"
maxlength="8" required><br>
                    </div>
                    <center><button type="submit" name="Back" class="btn btn-
info"><a href="index.php" style="color: white;">Back</a></button>
                        &nbsp;&nbsp;&nbsp;<button type="submit" name="submit"
class="btn btn-info">Submit</button></center>
                    </form>
                </div>
            </div>
        </div>
    </div>
</div>

<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
        </a>
    </div>

```

```
        </div>
    </div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

Stud_page.php

```
<?php
//Include authentication
require("process/auth.php");

//Include database connection
require("config/db.php");

//Include class Voting
require("classes/Voting.php");
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }

        body, html {
            height: 100%;
        }

        .bg {
            /* The image used */
            background-image: url("images/background1.jpg");

            /* Full height */
            height: 100%;

            /* Center and scale the image nicely */
            background-position: center;
```

```

        background-repeat: no-repeat;
        background-size: cover;
    }

</style>
</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="stud_page.php"><span class="glyphicon
glyphicon-home"></span> University Voting System</a>
        </div>

        <!-- Collect the nav links, forms, and other content for toggling -->
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav navbar-right">
                <li><a href="stud_page.php"><span class="glyphicon glyphicon-
home"></span></a></li>
                <li><a href="about.php">About Us</a></li>
                <li class="dropdown">
                    <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"><span class="glyphicon
glyphicon-user"></span> <span class="caret"></span></a>
                    <ul class="dropdown-menu">
                        <li><a href="process/logout.php">Logout</a></li>
                    </ul>
                </li>
            </ul>
        </div><!-- /.navbar-collapse -->

    </div><!-- /.container-fluid -->
</nav>
<!-- End Header -->

<br><br><br><br><br><br><br><br><br><br>

<?php
$readOrganization = new Voting();
$rtnReadOrg = $readOrganization->READ_ORG();

```

```

?>
<div class="container">
    <div class="row">
        <div class="col-md-4 col-md-offset-4">
            <i><b><h3 style="text-align: center; color: white;">Select
Organization</h3></b></i><hr />
            <center><h4 style="color: white;"><b>Welcome <?php echo
$_SESSION['NAME']; ?></b></h4></center>
            <?php if($rtnReadOrg) { ?><br>
            <form action="voting_page.php" method="GET" role="form">
                <div class="form-group">
                    <label for="organization" style="color:
white;">Organization</label>
                    <select required class="form-control" name="organization">
                        <option value="">*****Select Organization*****</option>
                        <?php while($rowOrg = $rtnReadOrg->fetch_assoc()) { ?>
                            <option value="<?php echo $rowOrg['org']; ?>"><?php echo
$rowOrg['org']; ?></option>
                        <?php } //End while ?>
                    </select>
                </div>
                <div class="form-group">
                    <center><input type="submit" name="submit" value="Submit"
class="btn btn-info"></center>
                </div>
            </form><hr />
            <?php $rtnReadOrg->free(); ?>
            <?php } //End if ?>

        </div>
    </div>
</div>

</div>

<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
        </a>
        </div>

        <div class="navbar-text pull-right">
            <a href="term.php">Terms & Conditions</a><br>

```



```
        <a href="privacy.php">Privacy Policy</a>
    </div>
</div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

Voting_page.php

```
<?php
//Include authentication
require("process/auth.php");

//Include database connection
require("config/db.php");

//Include class Voting
require("classes/Voting.php");
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title> University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }

        body, html {
            height: 100%;
        }

        .bg {
            /* The image used */
            background-image: url("images/background1.jpg");

            /* Full height */
            height: 100%;

            /* Center and scale the image nicely */
            background-position: center;
```

```

        background-repeat: no-repeat;
        background-size: cover;
    }

</style>
</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="stud_page.php"><span class="glyphicon
glyphicon-home"></span> University Voting System
        </div>

        <!-- Collect the nav links, forms, and other content for toggling -->
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav navbar-right">
                <li><a href="stud_page.php"><span class="glyphicon glyphicon-
home"></span></a></li>
                <li><a href="about.php">About Us</a></li>
                <li class="dropdown">
                    <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"><span class="glyphicon
glyphicon-user"></span> <span class="caret"></span></a>
                    <ul class="dropdown-menu">
                        <li><a href="process/logout.php">Logout</a></li>
                    </ul>
                </li>
            </ul>
        </div><!-- /.navbar-collapse -->

    </div><!-- /.container-fluid -->
</nav>
<!-- End Header -->

<br><br><br><br><br><br><br>

<?php
if(isset($_GET['organization'])) {
    $org = $_GET['organization'];
}

```

```

?>

<?php

$readPos = new Voting();
$rtnReadPos = $readPos->READ_POSITION($org);

?>

<div class="container">
    <div class="row">
        <?php if($rtnReadPos) { ?>
            <div class="col-md-6 col-md-offset-3">
                <?php
                    if(isset($_POST['vote'])) {
                        $org          = trim($_POST['org']);
                        $pos          = trim($_POST['pos']);
                        $candidate_id = trim($_POST['nominee']);
                        $voters_id    = trim($_POST['voter_id']);

                        $insertVote = new Voting();
                        $rtnInsertVote = $insertVote->VOTE_NOMINEE($org, $pos, $candidate_id,
$readPos->READ_POSITION($org);
                        $rtnReadPos = $readPos->READ_POSITION($org);
                    }

                ?>
            <div class="voting-con">

                <b><i><h4 style="text-align: center; color: white;">Faculty of <?php
echo $org; ?><br> Voting Page</h4><hr /></i></b><br>
                <center><h4 style="color: white;"><b>Welcome <?php echo
$_SESSION['NAME']; ?></b></h4></center>
                <?php while($rowPos = $rtnReadPos->fetch_assoc()) { ?>
                    <form action="<?php $_SERVER['PHP_SELF']; ?>" method="POST"
role="form">
                        <p class="help-block" style="color: white;"><b><?php echo
$rowPos['pos']; ?></b></p>
                            <?php
                                $readNominee = new Voting();
                                $rtnReadNominee = $readNominee->READ_NOMINEES($org,
$rowPos['pos']);
                            ?>

                            <?php if($rtnReadNominee) { ?>
                                <div class="form-group">
                                    <select name="nominee" class="form-control">
                                        <option value="">*****Select
Nominee*****</option>
                                        <?php while($rowNominee = $rtnReadNominee-
>fetch_assoc()) { ?>
                                            <option value="<?php echo $rowNominee['id'];
?>"><?php echo $rowNominee['name']; ?></option>

```

```

                <?php } //End while ?>
            </select>
        </div>
        <?php } //End if ?>
        <input type="hidden" name="org" value="<?php echo $org; ?>">
        <input type="hidden" name="pos" value="<?php echo
$rowPos['pos']; ?>">
        <input type="hidden" name="voter_id" value="<?php echo
$_SESSION['ID']; ?>">

        <?php
        $validateVote = new Voting();
        $rtnValVote = $validateVote->VALIDATE_VOTE($org, $rowPos['pos'],
$_SESSION['ID'])
        ?>
        <center><button type="submit" name="vote"
            <?php if($rtnValVote->num_rows > 0) { ?>
            <?php echo "class='btn btn-default disabled'>"; ?>
            <?php } else { ?>
            <?php echo "class='btn btn-info'>"; ?>
            <?php } //End if ?>
            Vote

        </button></center>
    </form><hr />
    <?php } //End while ?>
</div>
</div>
<?php } //End if ?>
</div>
</div>
</div>

<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
        </a>
        </div>

        <div class="navbar-text pull-right">
            <a href="term.php">Terms & Conditions</a><br>
            <a href="privacy.php">Privacy Policy</a>
        </div>
    </div>

</nav>
<!-- End Footer -->

```

```
<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

About.php

```
<?php
//Include authentication
require("process/auth.php");

//Include database connection
require("config/db.php");

//Include class Voting
require("classes/Voting.php");
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }

        body, html {
            height: 100%;
        }

        .bg {
            /* The image used */
            background-image: url("images/background.jpg");

            /* Full height */
            height: 100%;

            /* Center and scale the image nicely */
            background-position: center;
            background-repeat: no-repeat;
            background-size: cover;
        }

    </style>
</head>
<body class="bg">
```

```

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
  <div class="container">
    <!-- Brand and toggle get grouped for better mobile display -->
    <div class="navbar-header">
      <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="stud_page.php"><span class="glyphicon
glyphicon-home"></span> University Voting System</a>
    </div>

    <!-- Collect the nav links, forms, and other content for toggling -->
    <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
      <ul class="nav navbar-nav navbar-right">
        <li><a href="stud_page.php"><span class="glyphicon glyphicon-
home"></span></a></li>
        <li><a href="about.php">About Us</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"><span class="glyphicon
glyphicon-user"></span> <span class="caret"></span></a>
          <ul class="dropdown-menu">
            <li><a href="process/logout.php">Logout</a></li>
          </ul>
        </li>
      </ul>
    </div><!-- /.navbar-collapse -->

  </div><!-- /.container-fluid -->
</nav>
<!-- End Header -->
<div class="bg">

<br><br><br><br>

```

```

<div class="container">
  <div class="row" style="color: white;">
    <center><h1><b><u>About - University Voting System</u></b></h1></center>
    <br><br><br><br><br><br><br>
    <p style="font-size: 29px;">
      We, <b>University Voting System (UVS)</b> is basically a website
which is a voting system by nature.

```

```

        In details, it is basically an online University Voting Management
        System consisting of various feilds such as "Organisation, Faculty, and the nominee
        name as well."
        One may use our creation in order to elect the Famous Faculty in an
        online orderly fashion.
        We have a database with us which will be updated as per the need in
        order to update the Organisation and especially the nominees.
        <br>
        As an end user one will find the interface that much user-friendly
        that enables every students to cast their votes with a much considerable amount of
        ease.

        Note :- Personal Identity, Security is guranteed with us.
        <br>
        <b>#Our Moto :- BE WISE CHOOSE WISE TO LIVE WISE</b>

    </p>
</div>
</div>

</div>

<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
        </a>
        </div>

        <div class="navbar-text pull-right">
            <a href="term.php">Terms & Conditions</a><br>
            <a href="privacy.php">Privacy Policy</a>
        </div>
    </div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

Privacy.php

```
<?php
//Include authentication
require("process/auth.php");

//Include database connection
require("config/db.php");

//Include class Voting
require("classes/Voting.php");
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }

        body, html {
            height: 100%;
        }

        .bg {
            /* The image used */
            background-image: url("images/background.jpg");

            /* Full height */
            height: 100%;

            /* Center and scale the image nicely */
            background-position: center;
            background-repeat: no-repeat;
            background-size: cover;
        }

    </style>
</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
```



```

<div class="navbar-header">
  <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
    <span class="sr-only">Toggle navigation</span>
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
  </button>
  <a class="navbar-brand" href="stud_page.php"><span class="glyphicon
glyphicon-home"></span> University Voting System</a>
</div>

```

```

<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
  <ul class="nav navbar-nav navbar-right">
    <li><a href="stud_page.php"><span class="glyphicon glyphicon-
home"></span></a></li>
    <li><a href="about.php">About Us</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"><span class="glyphicon
glyphicon-user"></span> <span class="caret"></span></a>
      <ul class="dropdown-menu">
        <li><a href="process/logout.php">Logout</a></li>
      </ul>
    </li>
  </ul>
</div><!-- /.navbar-collapse -->

```

```

</div><!-- /.container-fluid -->
</nav>
<!-- End Header -->

```

```

<br><br><br><br>

```

```

<div class="container">
  <div class="row" style="color: white;">
    <center><h1><b><u>Privacy Policy for the e-Voting services of University
Voting System</u></b></h1></center>
    <br><br><br><br><br><br><br>
    <p style="font-size: 25px;">
      <b>Voter Privacy Act</b> Would Limit Targeting: Senator Dianne
Feinstein (D-CA) has introduced the Voter Privacy Act, S. 2398, a bill to ensure
privacy with respect to voter information. The Act would give voters basic rights
regarding their personal data: right of access, right of notice, right of deletion,
right to prohibit transfer, and the right to prohibit targeting. The Federal Election
Commission would oversee enforcement of the Act. "Political candidates and campaigns
shouldn't be able to use private data to manipulate and mislead voters. This bill
would help put an end to such actions," Senator Feinstein said. The bill cites EPIC
Advisory Board members Julie E. Cohen's forthcoming publication "Between Truth and
Power," quoting "today's networked information flows are optimized to produce what

```

social psychologist Shoshana Zuboffcalls instrumentarian power: They employ a radical behaviorist approach to human psychology to mobilize and reinforce patterns of motivation, cognition, and behavior that operate on automatic, near-instinctual levels and that may be manipulated instrumentally.” The Voter Privacy Act was referred to the Senate Rules Committee. (Aug. 1, 2019)

```
        </p>
    </div>
</div>

</div>
```

```
<!-- Footer -->
<nav class="navbar navbar-inverse navbar-fixed-bottom" role="navigation">

    <div class="container">
        <div class="navbar-text pull-left">
            Copyright &copy; University Voting System<br>
            Developed by - <a href="http://developindia.ml/"> Develop India Pvt. Ltd
        </a>
        </div>

        <div class="navbar-text pull-right">
            <a href="term.php">Terms & Conditions</a><br>
            <a href="privacy.php">Privacy Policy</a>
        </div>
    </div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

Term.php

```
<?php
//Include authentication
require("process/auth.php");

//Include database connection
require("config/db.php");

//Include class Voting
```

```

require("classes/Voting.php");
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Voting System</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet" href="assets/css/style_voter.css">

    <style type="text/css">

        #poweredbylpu {
            margin-left: 32%;
            margin-top: 1%;
        }

        body, html {
            height: 100%;
        }

        .bg {
            /* The image used */
            background-image: url("images/background.jpg");

            /* Full height */
            height: 100%;

            /* Center and scale the image nicely */
            background-position: center;
            background-repeat: no-repeat;
            background-size: cover;
        }

    </style>
</head>
<body class="bg">

<!-- Header -->
<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
    <div class="container">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="stud_page.php"><span class="glyphicon
glyphicon-home"></span> University Voting System</a>

```

```

</div>

<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
  <ul class="nav navbar-nav navbar-right">
    <li><a href="stud_page.php"><span class="glyphicon glyphicon-
home"></span></a></li>
    <li><a href="about.php">About Us</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"><span class="glyphicon
glyphicon-user"></span> <span class="caret"></span></a>
      <ul class="dropdown-menu">
        <li><a href="process/logout.php">Logout</a></li>
      </ul>
    </li>
  </ul>
</div><!-- /.navbar-collapse -->

</div><!-- /.container-fluid -->
</nav>
<!-- End Header -->
<div class="bg">

```

```

<br><br><br><br>

```

```

<div class="container">
  <div class="row" style="color: white;">
    <center><h1><b><u>Terms and Conditions for the use of e-Voting services
of <br>University Voting System by Issuer</u></b></h1></center>
    <br><br><br><br><br><br>
    <p style="font-size: 17px;">
      Definitions: In this document, the following words and phrases have
the meaning set opposite them unless the context indicates otherwise:<br>

```

UVS: means University Voting System, a company incorporated under the Companies Act, 1956 and registered under the Depositories Act, 1996 with Securities and Exchange Board of India.

e-Voting: means a process for recording votes by the members/shareholders using a computer based machine to display an electronic ballot and to record the vote and also the number of votes polled in favour or against such that the entire voting gets registered and counted in an electronic registry in a centralized server.

Internet: refers to a Global network of inter connected Computers network, each using Transmission Control Protocol / Internet Protocol or any combination thereof or such other standard network inter connection protocols as is used to transmit data that is directly or indirectly delivered to a Computer.

Disclosure of Personal Information: The User agrees that NSDL may hold and process its Personal Information on computer or otherwise in connection with e-Voting as well as for statistical analysis. The User also agrees that NSDL may disclose, in strict confidence, to other institutions, such Personal Information as may be reasonably necessary for reasons inclusive of but not limited to the following:

In compliance with a legal directive &

For fraud prevention purposes, etc.

Safeguards:

The User agrees to commit the password/PIN to memory and not record it in any form including written or electronic.

The User agrees to keep the password/PIN confidential and to not reveal the same to any third party.

The User agrees they shall be responsible for privacy of the password.

The User agrees that they shall not let any unauthorized person to have access to computers or leave them unattended while accessing e-Voting.

</p>
</div>
</div>

</div>

```
        <a href="term.php">Terms & Conditions</a><br>
        <a href="privacy.php">Privacy Policy</a>
    </div>
</div>

</nav>
<!-- End Footer -->

<script src="assets/js/jquery.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

</body>
</html>
```

Auth.php

```
<?php
//Create authentication

//Start session
session_start();

if(!isset($_SESSION['STUD_ID']) || count($_SESSION['STUD_ID']) == 0) {
    header("location: http://localhost/voting_system/index.php");
    exit();
}
```

Login.php

```
<?php
//Include database connection
require("../config/db.php");

//Include class StudentLogin
require("../classes/StudentLogin.php");

if(isset($_POST['submit'])) {
    $stud_id = trim($_POST['stud_id']);

    $loginStud = new StudentLogin($stud_id);
    $rtnLogin = $loginStud->StudLogin();
}

$db->close();
```

Logout.php

```
<?php
//Start session
session_start();

session_destroy();
header("location: http://localhost/voting_system/index.php");
exit();
```

StudentLogin.php

<?php

```
class StudentLogin
{
    private $_stud_id;

    public function __construct($c_stud_id) {
        $this->_stud_id = $c_stud_id;
    }

    public function StudLogin() {
        global $db;

        //Start session
        session_start();

        //Array to store error message
        $error_msg_array = array();

        //Error messages
        $error_msg = FALSE;

        if($this->_stud_id == "") {
            $error_msg_array[] = "Please input your Registration ID number.";
            $error_msg = TRUE;
        }

        if($error_msg) {
            $_SESSION['ERROR_MSG_ARRAY'] = $error_msg_array;
            header("location: http://localhost/voting_system/index1.php");
            exit();
        }

        $sql = "SELECT * FROM voters WHERE stud_id = ? LIMIT 1";
        if(!$stmt = $db->prepare($sql)) {
            echo $stmt->error;
        } else {
            $stmt->bind_param("s", $this->_stud_id);
            $stmt->execute();
            $result = $stmt->get_result();
        }

        if($result->num_rows > 0) {
            $row = $result->fetch_assoc();

            //Create session
            session_regenerate_id();
            $_SESSION['ID'] = $row['id'];
            $_SESSION['NAME'] = $row['name'];
        }
    }
}
```

```

        $_SESSION['COURSE'] = $row['course'];
        $_SESSION['YEAR'] = $row['year'];
        $_SESSION['STUD_ID'] = $row['stud_id'];
        session_write_close();

        header("location: http://localhost/voting_system/stud_page.php");

    } else {
        $error_msg_array[] = "Sorry the Registration ID number you entered is not
in the database.";
        $error_msg = TRUE;

        if($error_msg) {
            $_SESSION['ERROR_MSG_ARRAY'] = $error_msg_array;
            header("location: http://localhost/voting_system/index1.php");
            exit();
        }
        $stmt->free_result();
    }
    $result->free();
    return $result;
}
}

```

Voting.php

```
<?php
```

```

class Voting
{
    public function READ_ORG() {
        global $db;

        $sql = "SELECT * FROM organization ORDER BY org ASC";
        if(!$stmt = $db->prepare($sql)) {
            echo $stmt->error;
        } else {
            $stmt->execute();
            $result = $stmt->get_result();
        }
        return $result;
    }

    public function READ_POSITION($org) {
        global $db;

        $sql = "SELECT *
                FROM positions
                WHERE org = ?";
        if(!$stmt = $db->prepare($sql)) {
            echo $stmt->error;
        } else {
            $stmt->bind_param("s", $org);

```



```

        $stmt->execute();
        $result = $stmt->get_result();
    }
    $stmt->free_result();
    return $result;
}

public function READ_NOMINEES($org, $pos) {
    global $db;

    $sql = "SELECT *
            FROM nominees
            WHERE org = ?
            AND pos = ?";
    if(!$stmt = $db->prepare($sql)) {
        echo $stmt->error;
    } else {
        $stmt->bind_param("ss", $org, $pos);
        $stmt->execute();
        $result = $stmt->get_result();
    }
    $stmt->free_result();
    return $result;
}

public function VALIDATE_VOTE($org, $pos, $voters_id) {
    global $db;

    //Check to see if the voter votes already
    $sql = "SELECT *
            FROM votes
            WHERE org = ?
            AND pos = ?
            AND voters_id = ?
            LIMIT 1";
    if(!$stmt = $db->prepare($sql)) {
        echo $stmt->error;
    } else {
        $stmt->bind_param("ssi", $org, $pos, $voters_id);
        $stmt->execute();
        $result = $stmt->get_result();
    }
    $stmt->free_result();
    return $result;
}

public function VOTE_NOMINEE($org, $pos, $candidate_id, $voters_id) {
    global $db;

    //Check to see if the voter votes already
    $sql = "SELECT *
            FROM votes
            WHERE org = ?

```

```

        AND pos = ?
        AND voters_id = ?
        LIMIT 1";
    if(!$stmt = $db->prepare($sql)) {
        echo $stmt->error;
    } else {
        $stmt->bind_param("ssi", $org, $pos, $voters_id);
        $stmt->execute();
        $result = $stmt->get_result();
    }

    if($result->num_rows > 0) {
        echo "<div class='alert alert-danger'>Sorry you voted in that position
already.</div>";
    } else {
        //Vote successful.
        $sql = "INSERT INTO votes(org, pos, candidate_id, voters_id)VALUES(?, ?,
?, ?)";

        if(!$stmt = $db->prepare($sql)) {
            echo $stmt->error;
        } else {
            $stmt->bind_param("ssii", $org, $pos, $candidate_id, $voters_id);

            if($stmt->execute()) {
                echo "<div class='alert alert-success'>Vote successful.</div>";
            }
            $stmt->free_result();
        }
        return $stmt;
    }
}

```

Db.php

```

define("HOST_NAME", "localhost");
define("HOST_USER", "root");
define("HOST_PASS", "");
define("HOST_DB", "voting");

```

```

$db = new mysqli(HOST_NAME, HOST_USER, HOST_PASS, HOST_DB);

```

Voting.sql

```

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";

```

```
--
-- Database: `voting`
--

-----

--

-- Table structure for table `admin`
--

CREATE TABLE `admin` (
  `id` int(11) NOT NULL,
  `username` varchar(60) NOT NULL,
  `password` varchar(60) NOT NULL,
  `name` varchar(60) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `admin`
--

INSERT INTO `admin` (`id`, `username`, `password`, `name`) VALUES
(1, 'uvs_admin_navjot', 'xxxxxxxxxx', 'Administrator1'),
(2, 'uvs_admin_animesh', 'xxxxxxxx', 'Administrator2'),
(3, 'uvs_admin_rohan', 'xxxxxxx', 'Administrator3'),
(4, 'uvs_admin_suraj', 'xxxxxxxx', 'Administrator4');

-----

--

-- Table structure for table `nominees`
--

CREATE TABLE `nominees` (
  `id` int(11) NOT NULL,
  `org` varchar(60) NOT NULL,
  `pos` varchar(60) NOT NULL,
  `name` varchar(60) NOT NULL,
  `course` varchar(60) NULL,
  `year` varchar(3) NULL,
  `stud_id` varchar(60) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `nominees`
--

INSERT INTO `nominees` (`id`, `org`, `pos`, `name`, `course`, `year`, `stud_id`) VALUES
(1, 'DIPLOMA', 'Favorite Faculty', 'ARCHANA CHABRA', '', '', '25088'),
(2, 'DIPLOMA', 'Favorite Faculty', 'AMANDEEP KAUR', '', '', '22176'),
(3, 'DIPLOMA', 'Favorite Faculty', 'DR PRIYA SAHA', '', '', '25867'),
(4, 'DIPLOMA', 'Favorite Faculty', 'DEV DUTT BARESART', '', '', '25849'),
(5, 'DIPLOMA', 'Favorite Faculty', 'GOPAL GHOSH', '', '', '21912'),
(6, 'DIPLOMA', 'Favorite Faculty', 'SANJEEV KUMAR', '', '', '18522'),
(7, 'DIPLOMA', 'Favorite Faculty', 'MEHAK SHARMA', '', '', '25799'),
(8, 'DIPLOMA', 'Favorite Faculty', 'HARMANPREET KAUR', '', '', '21101');
```

```
--
-- Table structure for table `organization`
--
```

```
CREATE TABLE `organization` (
  `id` int(11) NOT NULL,
  `org` varchar(60) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `organization`
--
```

```
INSERT INTO `organization` (`id`, `org`) VALUES
(1, 'DIPLOMA');
```

```
--
-- Table structure for table `positions`
--
```

```
CREATE TABLE `positions` (
  `id` int(11) NOT NULL,
  `org` varchar(100) NOT NULL,
  `pos` varchar(60) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

--
-- Dumping data for table `positions`
--

INSERT INTO `positions` (`id`, `org`, `pos`) VALUES
(8, 'DIPLOMA', 'Favorite Faculty');

--
-- Table structure for table `voters`
--

CREATE TABLE `voters` (
 `id` int(11) NOT NULL,
 `name` varchar(60) NOT NULL,
 `course` varchar(60) NOT NULL,
 `year` varchar(2) NOT NULL,
 `stud_id` varchar(30) NOT NULL,
 `email` varchar(60) NOT NULL,
 `otp` varchar(6) CHARACTER SET utf8 COLLATE utf8_unicode_ci DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `voters`
--

INSERT INTO `voters` (`id`, `name`, `course`, `year`, `stud_id`, `email`, `otp`) VALUES
(1, 'ARKOJIT CHATTERJEE', 'POLY LE', '17', '11714577', 'arkojit26@gmail.com', '269970'),
(2, 'Animesh Singh', 'POLY LE', '18', '11802719', 'evilthakur2000@gmail.com', '324106'),
(3, 'ARIJIT GHOSH', 'POLY LE', '17', '11712408', 'arijitghoshgramsalika@gmail.com', '900187'),
(4, 'ANOOP THAKUR', 'POLY LE', '17', '11719697', 'aryansinghofficial59@gmail.com', '928227'),
(5, 'GAURAV SINGH', 'POLY LE', '18', '11804456', 'thakurgaurav078@gmail.com', '668539'),
(6, 'KUMARI RIMJHIM', 'POLY LE', '17', '11719818', 'krimjhim357@gmail.com', '333073'),
(7, 'LOVEPREET', 'POLY LE', '17', '11717060', 'lovep9709@gmail.com', '604091'),
(8, 'MONA PATEL', 'POLY LE', '18', '11815585', 'monapatel7755@gmail.com', '459294'),
(9, 'POLRA KEYUR JAGDISHBHAI', 'POLY LE', '18', '11813357', 'polrakeyur2109@gmail.com', '908993'),
(10, 'RAJA KRISHNARJUN SHUKLA', 'POLY LE', '17', '11808088', 'krishnarjun.shukla16@gmail.com', '121618'),
(11, 'RAUSHAN KUMAR JHA', 'POLY LE', '18', '11803912', 'raushankumarjha105@gmail.com', '149951'),
(12, 'BIKASH CHAUDHARY', 'POLY LE', '17', '11717029', 'bikashchaudhary200121@gmail.com', '457463'),
(13, 'RISHAV SRIVASTAV', 'POLY LE', '17', '11702334', 'srishav237@gmail.com', '806407'),
(14, 'SADIQUE IQBAL', 'POLY LE', '18', '11804849', 'sadiqueiqbal0786@gmail.com', '374440'),
(15, 'SAHIL GILHOTRA', 'POLY LE', '18', '11801667', 'msd91297@gmail.com', '203315'),
(16, 'SALIL GUPTA', 'POLY LE', '17', '11700625', 'salilgupta29092001@gmail.com', '742136'),

(17, 'SHASHANK KUMAR UPADHYAY', 'POLY LE', '18', '11806758', 'sushank23@gmail.com', '472946'),
(18, 'SHRADHA SHRESHT', 'POLY LE', '18', '11801474', 'shraddhadikshit23@gmail.com', '420370'),
(19, 'SHUBHAM RAJ', 'POLY LE', '17', '11700599', 'mymotog58185@gmail.com', '960244'),
(20, 'SMRITI', 'POLY LE', '17', '11719676', 'smritisisingh11122@gmail.com', '693411'),
(21, 'SURAJ KUMAR YADAV', 'POLY LE', '18', '11806808', 'surajyadav8246@gmail.com', '734289'),
(22, 'VISHAL MAHOR', 'POLY LE', '18', '11802582', 'vishal123456mahor@gmail.com', '819988'),
(23, 'SHIVENDRA YADAV', 'POLY LE', '18', '11813965', 'shivendrayadav7355@gmail.com', '472924');

-- -----

--
-- Table structure for table `votes`
--

CREATE TABLE `votes` (
 `id` int(11) NOT NULL,
 `org` varchar(60) NOT NULL,
 `pos` varchar(60) NOT NULL,
 `candidate_id` int(11) NOT NULL,
 `voters_id` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Indexes for dumped tables
--

--
-- Indexes for table `admin`
--
ALTER TABLE `admin`
 ADD PRIMARY KEY (`id`);

--
-- Indexes for table `nominees`
--
ALTER TABLE `nominees`
 ADD PRIMARY KEY (`id`);

--
-- Indexes for table `organization`
--
ALTER TABLE `organization`
 ADD PRIMARY KEY (`id`);

```
--
-- Indexes for table `positions`
--
ALTER TABLE `positions`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `voters`
--
ALTER TABLE `voters`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `votes`
--
ALTER TABLE `votes`
  ADD PRIMARY KEY (`id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `admin`
--
ALTER TABLE `admin`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;

--
-- AUTO_INCREMENT for table `nominees`
--
ALTER TABLE `nominees`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=9;

--
-- AUTO_INCREMENT for table `organization`
--
ALTER TABLE `organization`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `positions`
--
ALTER TABLE `positions`
```

```
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=10;

--
-- AUTO_INCREMENT for table `voters`
--
ALTER TABLE `voters`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=24;

--
-- AUTO_INCREMENT for table `votes`
--
ALTER TABLE `votes`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=14;
COMMIT;
```

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CHAPTER - 7

PHP Cookbook (3rd edition) - Adam Trachtenberg
jQuery Cookbook - Cody Lindley
Learning Web App Development: Build Quickly with Proven JavaScript Techniques - Semmy Purewal

CONCLUSION

This University 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. Its provide the tools for maintaining voter’s vote to every faculty and it count total no. of votes of every faculty. There is a DATABASE which is maintained by the US in which all the names of voter with complete information is stored.

In this user who is register his/her information on the database and when he/she want to vote he/she has to login by his email, id and otp and can vote to any faculty only single time. Voting detail store in database and the result is displayed by calculation. By online voting system number of voting is increases. It decreases the cost and time of voting process. It is very easy to use and It is vary less time consuming. It is very easy to debug.