K. L. E. Society's

K. L. E. Institute of Technology, Hubli-30

Department of Master of Computer Applications

A Mini-Project Report on

"Exit Poll Analysis"

Submitted in partial fulfillment of requirement for the V semester MCA Mini-Project (18MCA58)

of

MASTER OF COMPUTER APPLICATIONS

Under

Visvesvaraya Technological University

By

AJAY METI

2KE19MCA50

Under the Guidance of

Prof. Prasanna H Bammigatti

Department of Master of Computer Applications,

K.L.E. Institute of Technology, Hubballi –580030
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This is to certify that the Mini-Project entitled **Exit Poll Analysis** *submitted in partial fulfilment of V semester MCA Mini-Project (18MCA58) is a result of the bona fide work carried out by Ajay Meti (2KE19MCA50) during the academic year 2020-2021.*

GUIDE	**HOD**	**PRINCIPAL**
Prof. Prasanna H Bammigatti	**Dr. V. S. Madalli**	**Dr. B S Anami**

Examiners:

1. _____   2. _____

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Declaration

I, Ajay Meti student of 5thSemester MCA, KLEIT, Hubballi, bearing 2KE19MCA50 hereby declare that the project entitled Exit Poll Analysis has been carried out by me under the supervision of Prof. Prof. Prasanna H Bammigatti, Associate Professor, KLEIT Hubballi and submitted report in partial fulfilment of V semester MCA Mini-Project (18MCA58) of Visvesvaraya Technological University during the academic year 2020-2021. This report has not been submitted to any other Organization/University.

Name: Ajay Meti

Signature:

Declaration

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Name: Manish M Maller

Signature:

Declaration

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Name : Ajay Meti   **Name : Manish M Maller**

Signature: **Signature:**

Acknowledgement

I have taken sincere efforts to complete the project **"Exit Poll Analysis".** However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I am highly indebted to **Prof. Prasanna H Bammigatti** for their Guidance and constant supervision as well as for providing necessary information regarding the project.

We are deeply grateful to our beloved HOD **Dr. V. S. Madalli** for having provided us the academic which natured our practical skills contributing to success of our project.

We would like to thank all the faculty members of MCA DEPARTMENT for adding value to our project. Last but not the least we would like to thank our parents and beloved friends for their moral support.

HEARTLY THANKS TO ALL

Ajay Meti

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Abstract

Exit Poll Analysis System is a Project which aims in developing a computerized system to maintain all the decision making processes taken by the Poll Participants. This project has many features which are generally not available in normal systems like facility of admin login through which the admin can monitor the whole system . It has also a facility where admin after logging in the account can monitor the whole system and also the members can request the admin to create a new polling event if needed by filling event request section. The admin after logging into his account i.e. admin account can generate reports regarding the polling results such as winner declaration as well as percentages of candidates results.

Overall this project of ours is being developed to help the Poll Participants to Predict their Winning Candidates and to ensure the Expected Outputs.

Table of Contents

Chapter 1
Introduction

Exit Polling Analysis is a project that provides an easy way of maintaining the whole decision making and survey system in an easy manner. It overcomes the problems of unnecessary time consuming tasks. Hence this project offers a web based system where admin can view various instances and control them. If the event is available then the allowed members who can participate in that specific polling or survey can give their decision in that specific time given by the admin. The participants i.e. the candidates of the events can also add their images and their audio video files for the audience who will Polled them, this will help the members to make decision and select candidates easily. Admin can update or delete events anytime.

Exit Polling System is a project which aims in developing a computerized system to maintain all the decision making processes taken inside a Election Commission of India .This project has many features which are generally not available in normal systems like facility of admin login through which the admin can monitor the whole system . It has also a facility where admin after logging in the account can monitor the whole system and also the members can request the admin to create a new polling event if needed by filling event request section. The admin after logging into his account i.e. admin account can generate reports regarding the polling results such as winner declaration as well as percentages of candidates results. The Analyser/Participant portion will allow Analyser to participate in the polling system for election of the common election for the Nation such as Member of the Legislative Assembly, Member of Legislative Council etc. they are also allowed to participate in the Election survey and decision making system for the Nation. Overall this project of ours is being developed to help the Election management as well as staff of Polls/Analyser to take decisions easily and also reduce the human efforts.

The proposed project is a smart survey and polling system that provides the college management an easy way of maintaining the whole decision making and survey system in an easy manner. It overcomes the problems of unnecessary time consuming tasks. Hence this project offers a web based system where admin can view various instances and control them. If the event is available then the allowed members who can participate in that specific polling or survey can give their decision in that specific time given by the admin. The participants i.e. the candidates of the events can also add their images and their audio video files for the audience who will Polled them, this will help the members to make decision and select candidates easily. Admin can update or delete events anytime. There are many other features also available.

1.1   Problem Statement

To develop a web portal that conducts the Exit Poll ad does the Analysis this portal maintains the Participants in Polling such as Name, Age, their Interest and etc. Here Participants Results is expected to be dumped and fetched by the Admin. This system shall provide the following facilities Result Representation, Reviewing Results. Back Up and Recovery of Data and the generation of result and Less Human Errors.

1.2   Purpose

In "Exit Poll Analysis" the Participants can use his\her Polling right online without any difficulty. He\She has to fill a registration form to register himself\herself. All the entries is checked by the Database which has already all information about the Polled. If all the entries are correct then a User id and Password is given to the Polled, by using that ID and PASSWORD he\she can use his\her Polled. If conditions are wrong then that entry will be discarded.

1.3   Scope

The scope of the project that is hosted on the server. There is a Database which is maintained by the Election Commission of India in which all the names of Polled and Polled ID number with complete information is stored.

1.4 Objectives

- A detailed study of the Polling Process as it Expect the Result.

- Design and develop a software platforms for Poll Participater's registration, Choosing their Candidates or Participate, real-time election results collation and monitoring and mostly for voters remote access to elections.

- Design and develop an electronic device that incorporates smart card reader and fingerprints technology for Polling, authentication and verification.

- Design and develop an administration dashboard for the Polling administrators.

- Run simulations and compare the results of the designed Polling system and other Analysing systems

1.5 Summary

- Chapter 1, Contains the Introduction, Problem statement, scope and Objectives of the System or Project

- Chapter 2, the literature survey discusses abstract survey of the published papers and if any disadvantages identified in paper.

- Chapter 3 discusses the detailed requirement of problem identified for the mini project.

- Chapter 4 discusses the System Architecture and Context Design of the Project or System.

- Chapter 5 discusses the design associated with the project.

- The Core Implementation of Logic Code with Explanation and The Screen Shots related to Usability of it in the Execution is discussed in the chapter 6.

- Chapter 7 Includes the Testing Carried Out for the Input Output and to the Core Functionalities of the System.

- The Report concludes with Future Enhancements and Bibliography is handled in Chapter 8.

Chapter 2
Literature Survey

2.1 Background

EXIT POLL ANALYSIS is a voting system by which any Polled can use his\her voting rights from any where in India. EXIT POLL ANALYSIS contains-:

- Poll Participant's information in database.
- Poll Participant's Names with ID.
- Poll Participant's Polled in a database.
- Calculation of total number of Polls.

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

- Recording information of the Polled in Polled database.
- Checking of information filled by Polled.
- Discard the false information.
- Each information is sent to ELECTION COMMISSION OF INDIA.

2.2 Tools and Technologies Used

In this chapter, technology tools refers to software, primarily, that can be used to develop or support online course content. This could include blogs, wikis, authoring tools such as Articulate or Captivate, and Web 2.0 tools available through the internet.

2.2.1 HTML

HTML means Hypertext Markup Language. HTML is a method of describing the format of documents which allows them to be viewed on computer screens. HTML documents are displayed by web browsers, programs which can navigate across networks and display a wide variety of types of information. HTML pages can be developed to be simple text or to be complex multimedia extravaganzas containing sound, moving images, virtual reality, and Java applets. The global publishing format of the Internet is HTML. It allows authors to use not only text but also format that text

with headings, lists, and tables, and to include still images, video, and sound within text. Readers can access pages of information from anywhere in the world at the click of a mouse-button. Information can be downloaded to the reader's own PC or workstation. HTML pages can also be used for entering data and as the front-end for commercial transactions.

Features of HTML

➢ It is not a programming language.
➢ It is not a data description language.
➢ It is simple to understand and implement.
➢ HTML constructs a very easy to comprehend, and can be used effectively by anybody.

The methodology used by HTML to mark up information is independent of its representation on a particular hardware or software architecture.

2.2.2 Structured Query Language

To work with data in a database, that has to use a set of commands and statements (language) defined by the DBMS software. Several different languages can be used with relational databases; the most common is SQL. The American National Standards Institute (ANSI) and the International Standards Organization (ISO) define software standards, including standards for the SQL language. SQL Server 2000 supports the Entry Level of SQL-92, the SQL standard published by ANSI and ISO in 1992. The dialect of SQL supported by Microsoft SQL Server is called Transact-SQL (T-SQL). T-SQL is the primary language used by Microsoft SQL Server applications.

Features of Structured Query Language

• Internet Integration
• Scalability and Availability
• Enterprise-Level Database Features
• Ease of installation, deployment and use.

2.2.3 Pre HyperText Processor

PHP is a well-known web programming language that has been widely used to create exceptional websites. According to W3Techs survey, PHP is being used by 82% of majority web server. This language is popular because of its collaborative features, excellent HTML and database integration support.

Today, businesses are moving to the online world, and looking for a proficient web development company, which can make engaging websites to showcase their products and services. Thus, the developers have to create websites and web apps of all complexities. However, it can take tremendous time and effort to start from scratch, thus, the demand for a more structured development process came. PHP frameworks are the best solution! These frameworks can build websites and web applications of diverse sizes and complexity. The developers use their skills, knowledge, and expertise to make a small static website to large scale complex enterprise content management systems. PHP frameworks can modernize the process of backend web development.

Promote modern web development practices, like object-oriented programming tools. So, hire a PHP developer who has a good experience in custom web application development. CodeIgniter is a popular PHP framework that was created by Ellislab in the year 2006 and made available for free use under MIT license.

2.2.4 XAMP Server

XAMPP is a cross platform web server solution distributed by Apache. It is open source and free to use. The package contains most common web development technologies like Apache HTTP server, MySQL database, PHP and Perl programming languages and some additional optional packages depending on the operating system it is used on. The 'X' is read as a 'cross' which means cross-platform as it is available for more than one operating system. The package for different operating system is WAMP for Windows, MAMP for Mac OS X and LAMP for LINUX. Support for Solaris is also present but is still in beta stages.

The latest package XAMPP 1.8.3-3 for Windows includes the following:

- Apache 2.4.7

- MySQL 5.6.16

- PHP 5.5.9

- phpMyAdmin 4.1.6

- Tomcat 7.0.42

2.3 Paper References

1. MySQL Mother Site @ www.mysql.com.
2. MySQL 5.7 "Reference Manual" @ http://dev.mysql.com/doc/.
3. MySQL 5.7 "SQL Statement Syntax" @ http://dev.mysql.com/doc/refman/5.7/en/sql-syntax.html.
4. "ISO/IEC 9075 Information Technology - Database Languages SQL": 1989 (SQL-89), 1992 (SQL-92 or SQL2), 1999 (SQL-99 or SQL3), 2003 (SQL-2003), 2006 (SQL-2006) and 2011 (SQL-2011).

Sample Databases

1. MySQL Employees Sample Database
   @ http://dev.mysql.com/doc/employee/en/index.html.
2. MySQL Sakila Sample Database @ http://dev.mysql.com/doc/sakila/en/index.html.
3. Microsoft Nothwind Sample database @ http://www.microsoft.com/en-us/download/details.aspx?id=23654; MySQL port
   @ http://code.google.com/p/northwindextended.
4. The "Classic Models" Retailer database @ http://www.mysqltutorial.org.

Specifications and APIs

1. HTML5 W3C Recommendation 28 October 2014 (@ http://www.w3.org/TR/html5).
2. WHATWG (Web HyperText Application Working Group) HTML(5) Specification (@ https://html.spec.whatwg.org/multipage/index.html).
3. HTML 4.01 Specification W3C Recommendation 24 December 1999 (@ http://www.w3.org/TR/html401).
4. XHTML 1.0 Specification W3C Recommendated Revised 1 August 2002 (@ http://www.w3.org/TR/xhtml1).
5. CSS 2.1 Specification W3C Recommendation Revised 17 December 2014 (@ http://www.w3.org/TR/CSS21/).
6. CSS3 Selectors module (@ http://www.w3.org/TR/selectors/); CSS3 Colors module (@ http://www.w3.org/TR/css3-color/).

Online Tutorials and Resources

1. W3School HTML/CSS Tutorials, References and Examples @ http://www.w3schools.com/. (W3School is not related to W3C).

Books

1. Matthew MacDonald, "Creating a Website - The Missing Manual", 3rd ed, 2011, O'Reilly.
   (A good introductory book on HTML/CSS. A new version is expected in July 2015.)

2. Matthew MacDonald, "HTML 5 - The Missing Manual", 2nd ed, 2014, O'Reilly.

3. David Sawyer McFarland, "CSS 3 - The Missing Manual", 3rd ed, 2013, O'Reilly

Chapter 3
Software Requirement Specification (SRS)

Depending on the results of the initial investigation the survey is now expanded to a more detailed Requirements study. Requirements Specification 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?

The main objectives of system for Exit Poll Analysis are:

- The objective of Exit Poll Analysis 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)

3.1 Functional Requirements

This software is very much technically feasible. This software is very much concerned with specifying equipment and the software will successfully satisfy almost all the user requirements. The technical need for this system may vary considerably but might include:

a. The facility to produce output in a given time.

b. Response time under certain conditions.

c. Ability to process a file at a particular speed.

Therefore, the basic input/output of all files is identified. So, the project can easily be build up and it will also be technically feasible.

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:

Form the above analysis the requirements are identified ad discussed in following sections

3.2 Functional Requirements from service perspective

The stakeholders of the system are identified and their requirements are listed in the following section.

3.2.1 Poll Participants Module

Poll Participants is the one who actual Participates and submit their review or Interests among their candidates.

- Poll Participants can register their Information.
- Poll Participants Must Enter the Valid Information's such as Name, Email ID, Age, Voter ID, Selection of their Interest among the Parties or Candidate of the Party.
- Voter ID and Name are the Key Interface and Identification for the User or Poll Participants.
- Age is the Conditional Input for the Analysis. It Analysis the Number of Interests or Review belonging to Particular party. Age is specified into 4 type such as Above 18-30, Above 30-45, Above 45-75, Above 75
- Poll Participants are Allowed to Perform the Polling Activities
- Poll Participants can choose their Interested Candidates/Parties.
- Poll Participants can Submit their review only on Submitted Valid Information.
- Poll Participants can View the result or Expected Result of the Analysis.

3.2.2 Admin Module

An Admin(Administration) who manages and monitors the System Workflow. Admin can View or Control the Submitted reviews or Interests by the Participants.

- Admin can view the Review submitted by the Poll Participants
- Admin has the Rights to Control the User Inputs and Providing Security to the System.
- Admin can Store and Maintain the Database.
- Admin is Responsible for the Result Presentation for the Participants.
- Admin Restricts the Participants or Acts as Evaluator on Invalid or Mis-conceptional Information or Data Entered by the User.

3.3 Non-Functional Requirements

3.3.1 Secure access of confidential data (user's details).

SSL allows sensitive information such as credit card numbers, social security numbers, and login credentials to be transmitted securely. ... If an attacker is able to intercept all data being sent between a browser and a web server, they can see and use that information. More specifically, SSL is a security protocol Admin doesn't allow Third Party Users to Enter and Steal data..

3.3.2 24 X 7 availability.

Being able to detect threats in real-time means you can be informed on the go and instantly take a corrective or defensive stance. You can save both time and money, and you no longer need a physical system administrator to be present all the time to perform manual checks. Admin Monitors the Analysis 27*7 and Polling may Perform anytime When Poll Participants wants to submit their Review or Interests.

3.3.3 Flexible Service

 Better component design to get better performance at peak time. Flexible service based architecture will be highly desirable for future extension. It allows Flexible Service to participates without frustrating to the Participants and Admin can Easily Monitor the Web Portal on continuous Accepting the Responses and Reviews.

Chapter 4

System Architecture and Context Diagram

An architectural diagram is a diagram of a system that is used to abstract the overall outline of the software system and the relationships, constraints, and boundaries between components. It is an important tool as it provides an overall view of the physical deployment of the software system and its evolution roadmap
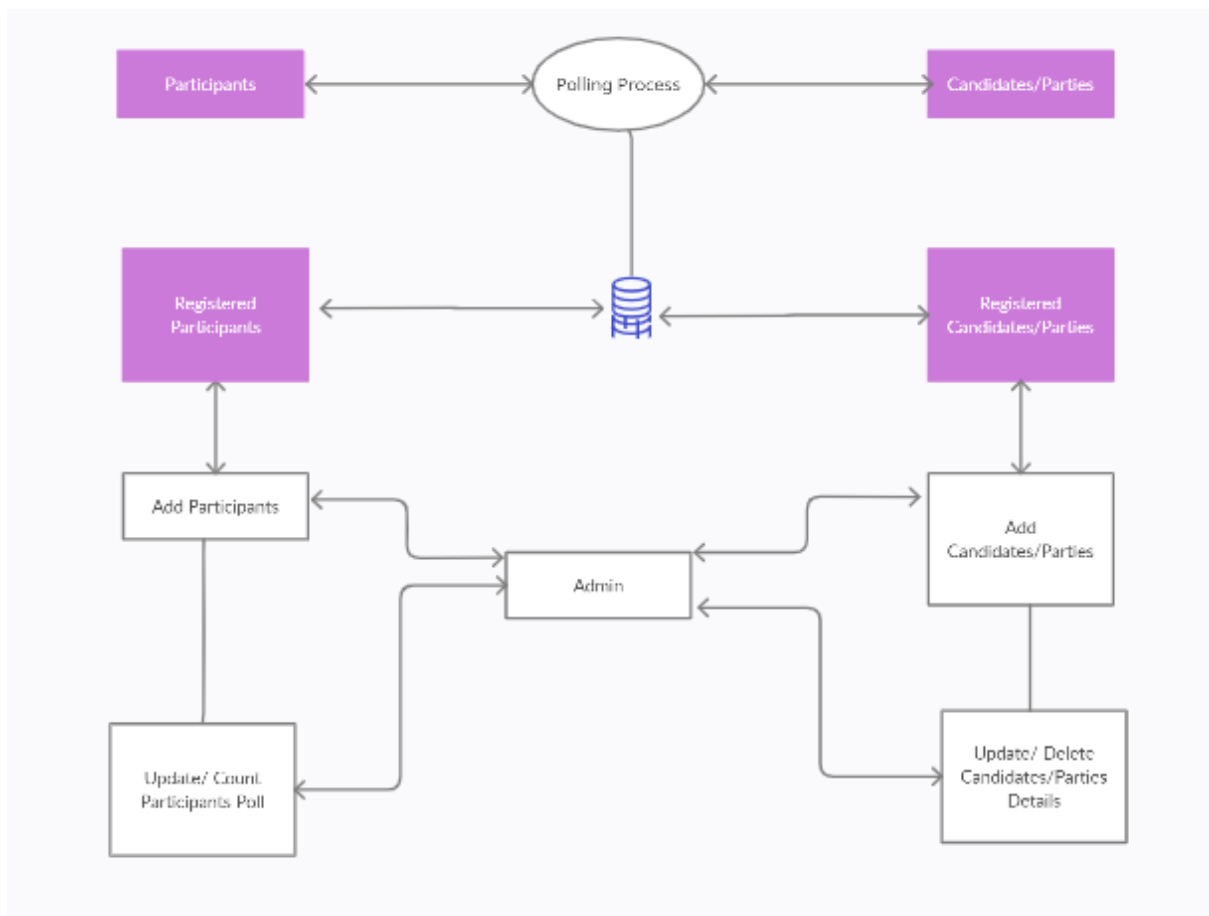
4.1 System Architecture

Figure 4.1 System Architecture of Exit Poll Analysis

All the visualizations on this page are logical level architecture diagrams. Most often an architecture diagram contains a combination of logical and physical aspects, meaning that logical elements and physical components both are used in the visualization. Participants and Candidates or Parties are handled by the Admin. Admin is responsible for the Result displaying and Storing the Information in the Database as shown in Figure 4.1.

4.2 Context Diagram

A system context diagram (SCD) in engineering is a diagram that defines the boundary between the system, or part of a system, and its environment, showing the entities that interact with it.
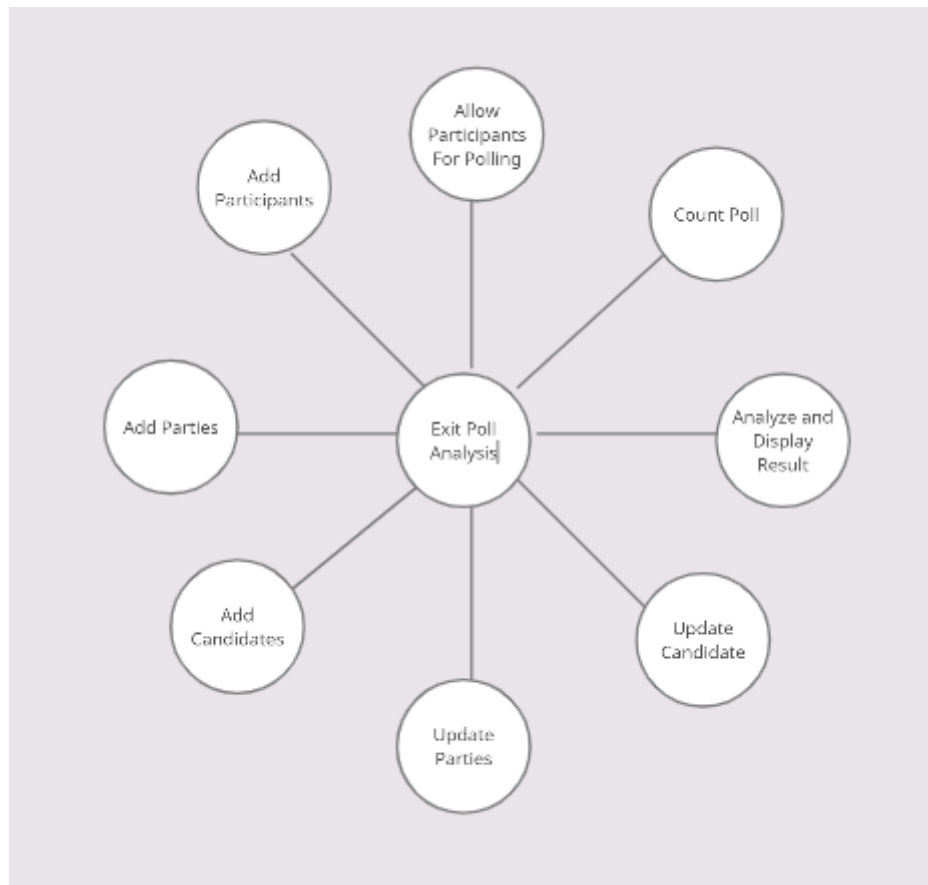

Figure 4.2 Context diagram Architecture of Exit Poll Analysis

A context diagram, sometimes called a level 0 data-flow diagram, is drawn in order to define and clarify the boundaries of the software system. It identifies the flows of information between the system and external entities. The entire software system is shown as a single process. The process of establishing the analysis framework by drawing and reviewing the context diagram inevitably involves some initial discussions with users regarding problems with the existing system and the specific requirements for the new system. These are formally documented along with any specific system requirements identified in previous studies. In the Above Figure an Exit Poll Analysis System is composed of Many elements including the Participants details, Candidate or Parties Details and Admin as shown in Figure 4.2.

Chapter 5
System Detail Design

System design is defined as every system needs to be broken down to ascertain all activities required and their respective inputs and outputs.
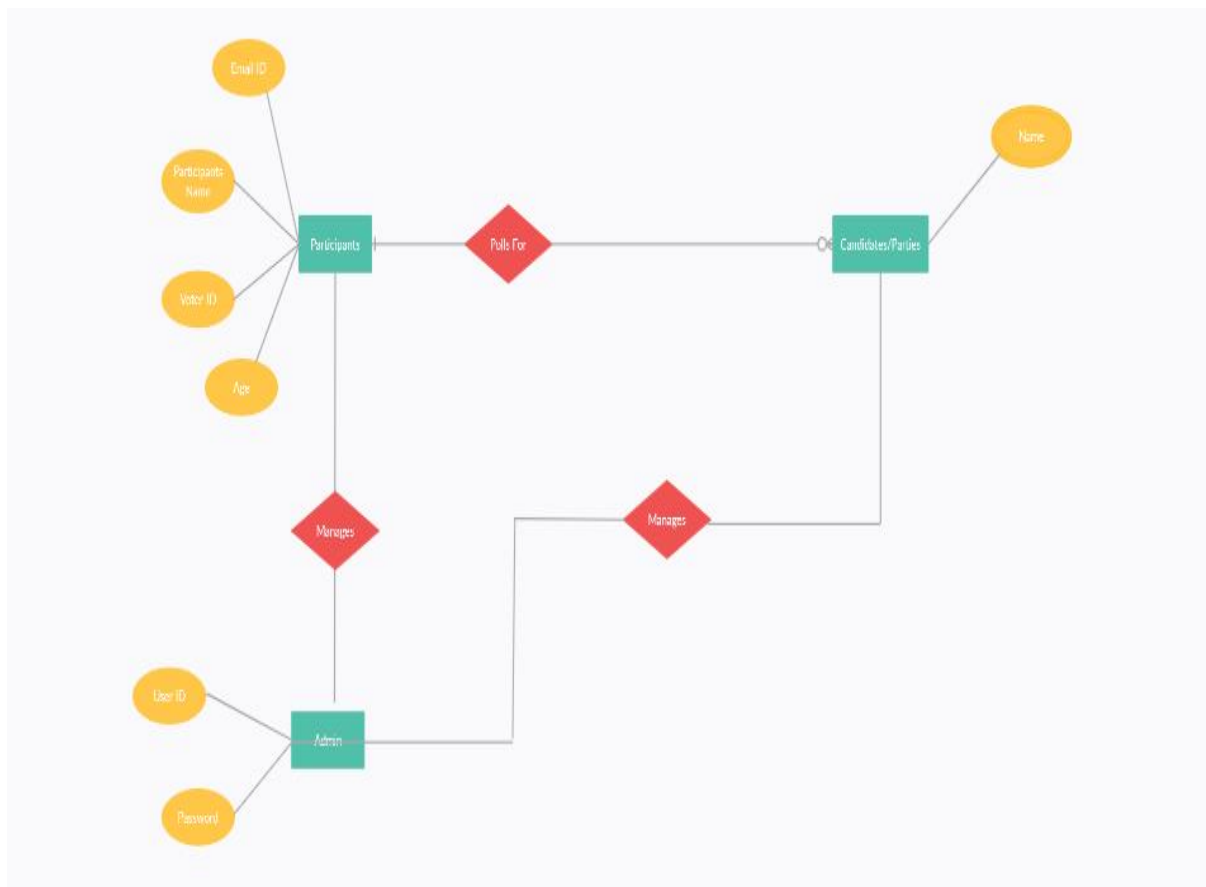
5.1 Entity Relationship Diagram

Figure 5.1. The ER-diagram of Exit Poll Analysis

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is an object, a component of data. An entity set is a collection of similar entities. These entities can have attributes that define its properties. There are two reasons to create a database diagram. You're either designing a new schema or you need to document your existing structure. In the Above ERD Admin Manages or Monitors Participants and the Candidates Database as shown in Figure 5.1.

5.2 Data-flow Diagrams

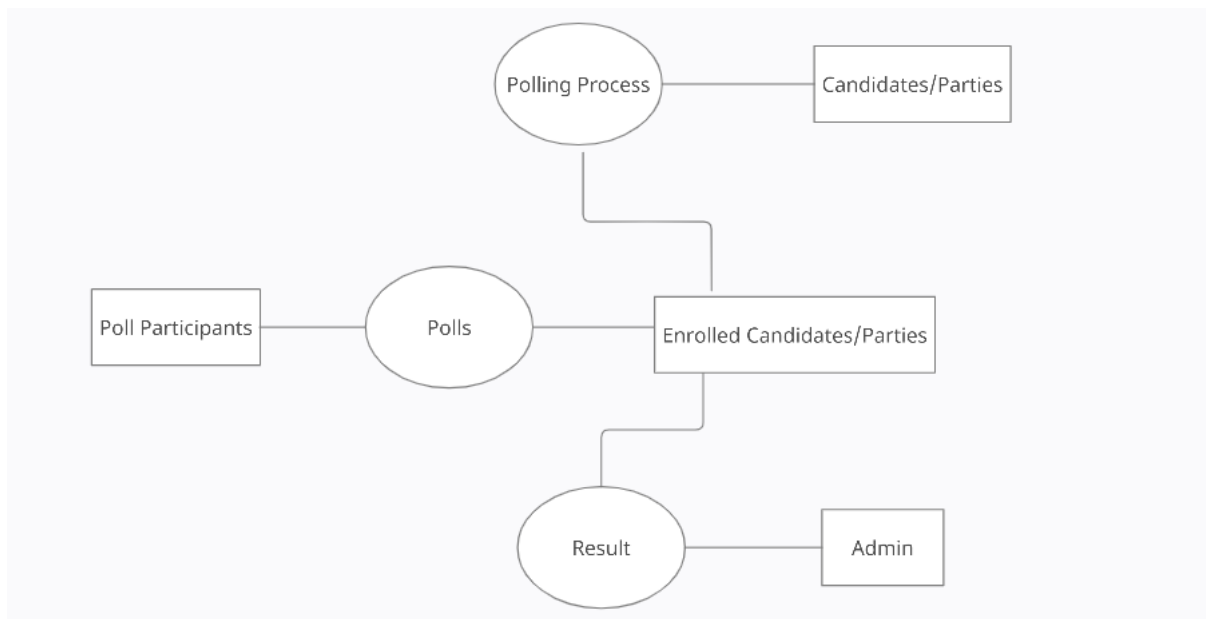**Figure 5.2 Polling Process Data flow diagram**

The Figure 5.2 shows is a 0-level DFD that only shows the flow of data between the various and the system. In Exit Poll Analysis the Administrator is the controller of the system and all the decisions are made by him. The Administrator can handle the entire Polled and their details, voting details etc. and view details of them and he can update that detail also.

5.3 Use case diagram
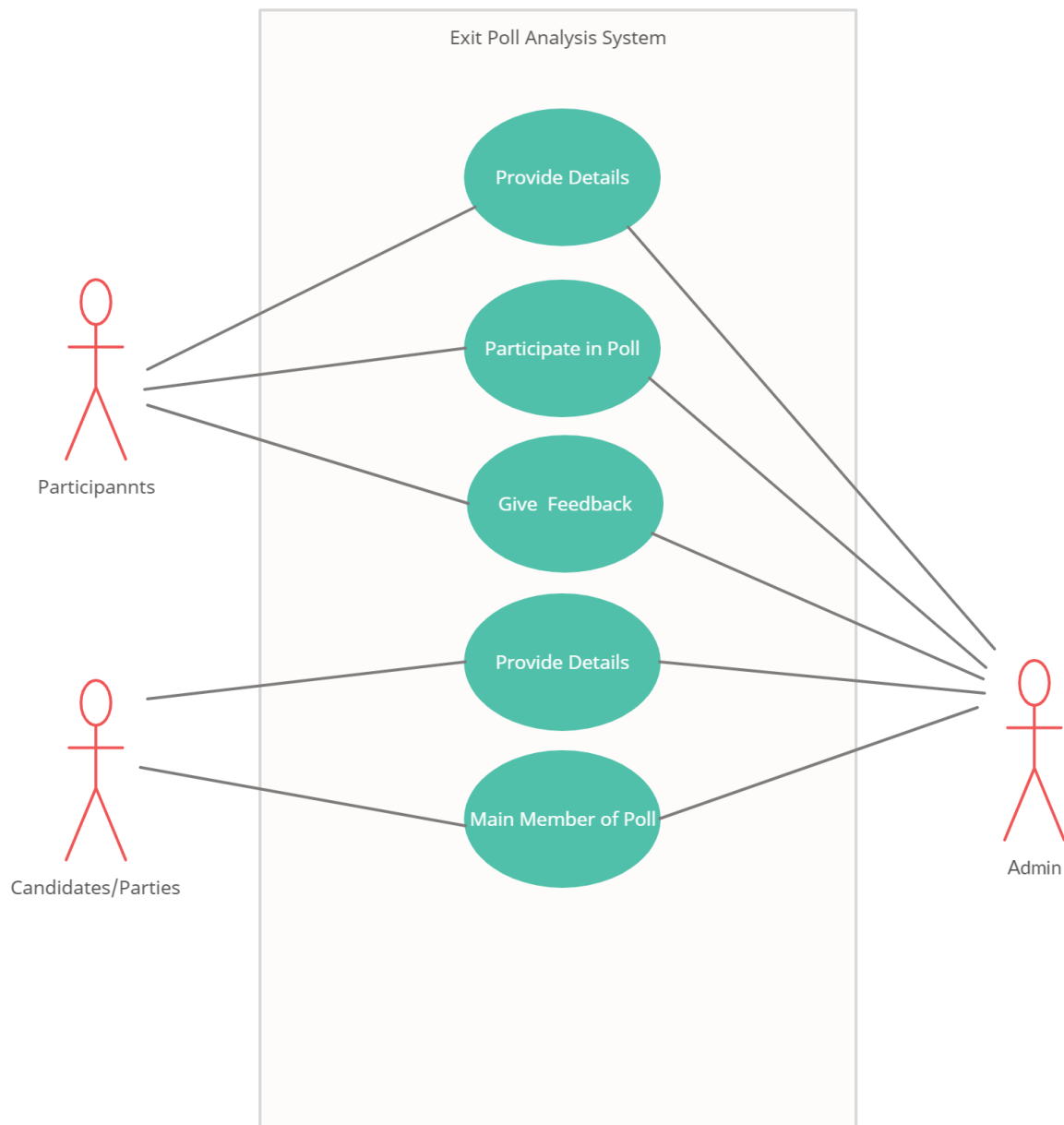
Figure 5.3 Exit Poll Analysis Use Case Diagram

A use case diagram is a dynamic or behaviour diagram in UML. Use case diagrams model the functionality of a system using actors and use cases. Use cases are a set of actions, services, and functions that the system needs to perform. In this context, a "system" is something being developed or operated, such as a web site. The "actors" are people or entities operating under defined roles within the system. The Figure 5.3 shows Use Case Diagram Candidates and Participants are considered as an Actors Managed by the Actor Admin. Admin has the Permission of access of all the Information of Both the Actors.

5.4 Sequence diagram
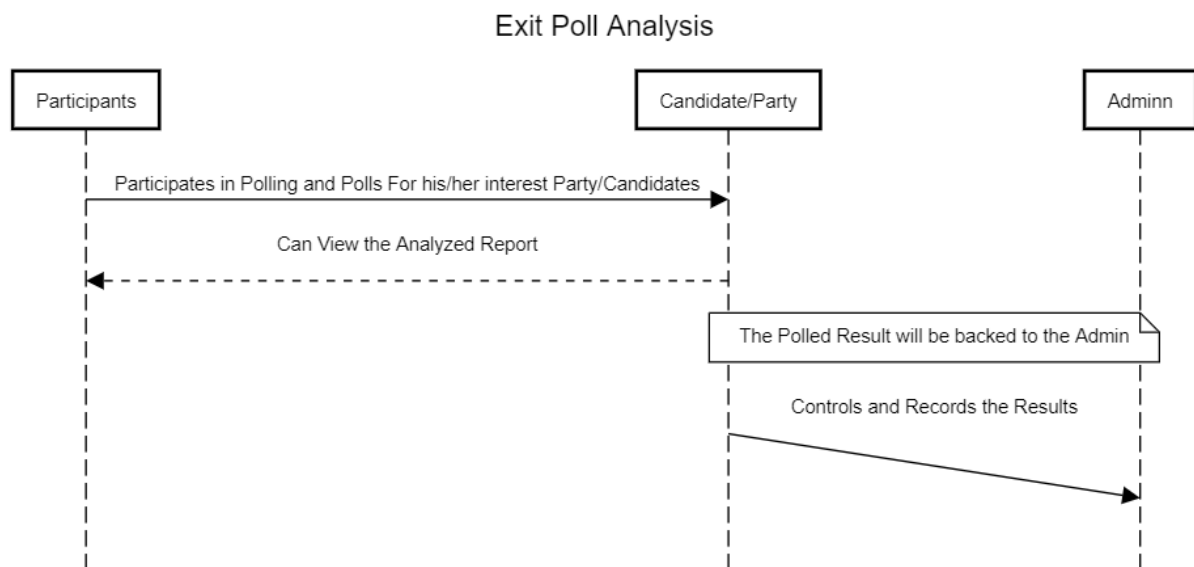
Figure 5.4 Exit Poll Analysis Use Case Diagram

Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.

The Figure 5.4 shows the Functionalities between the Candidates Parties and Admin are Represented. The Functions of Participants is to just Participate I the Poll and Give their Interest to their Candidates or Parties. Admin manages the Records and Information and also responsible for the Result Display in a structured Manner.

Chapter 6
Implementation

6.1 Code Section

6.1.1 Insert Code

```php
<?php
    require('config.php');
        if(isset($_POST["submit"])){
        if(isset($_POST["voterName"]) && isset($_POST["voterEmail"]) &&
        isset($_POST["voterID"])&& isset($_POST["selectedCandidate"]))
        {
        $name= test_input($_POST["voterName"]);
        $email= test_input($_POST["voterEmail"]);
        $voterID= test_input($_POST["voterID"]);
        $selection= test_input($_POST["selectedCandidate"]);
        }
        }
        else
        {
        echo "<br>All Field Recquired";
        }
    $DB_HOST= "localhost";
    $DB_USER="root";
    $DB_PASSWORD="";
    $DB_NAME="db_evoting";
     $conn=
@mysqli_connect($DB_HOST,$DB_USER,$DB_PASSWORD,$DB_NAME)
    or die("Couldn't Connect to Database :");
```

```php
$sql="INSERT INTO  db_evoting.tbl_users VALUES
(null,'".$name."','".$email."','".$voterID."','".$selection."');"

if(mysqli_query($conn, $sql)){

echo "<img src='images/lop.jpg' width='470' height='300'>";

echo "<h3 class='text-info specialHead text-center'><strong>    You've Successfully
Reviewed </strong></h3>";

echo "<a href='cpanel.php'  class='btn btn-primary'> <span class='glyphicon
glyphicon-ok'></span> <strong> View Result</strong> </a>";

}

else

{

echo "<img src='images/error.png' width='70' height='70'>";

echo "<h3 class='text-info specialHead text-center'><strong> SORRY! WE'VE
SOME ISSUE..</strong></h3>";

echo "<a href='cpanel.php' class='btn btn-primary'> <span class='glyphicon
glyphicon-ok'></span> <strong> View Result</strong> </a>";

}

?>
```

6.1.2 Authentication Code

```php
<?php
            $hostname= "localhost";
            $username= "root";
            $password= "";
            $database= "db_evoting";
            // UserInput Test
            function test_input($data) {
              $data = trim($data);
              $data = stripslashes($data);
              $data = htmlspecialchars($data);
              return $data;
            }
            if(empty($_POST['adminUserName']) ||
empty($_POST['adminPassword']))
            {
              $error= "UserName or Password is Recquired.";
            }
            else
            {
              $admin_username= test_input($_POST['adminUserName']);
```

```
                    $admin_password= test_input($_POST['adminPassword']);
                    //Establish Connection
                    $conn= mysqli_connect($hostname, $username, $password,
        $database);

                    //Check
                    if(!$conn)
                    {
                      die("Connection Failed : ".mysqli_connect_error());
                    }
                     $sql= "SELECT * FROM db_evoting.tbl_admin WHERE
                    admin_username='".$admin_username."' AND
                    admin_password='".$admin_password."'";
                    $query= mysqli_query($conn, $sql);
                     if(mysqli_num_rows($query)==1)
                    {
                      header("location:cpanel.php");
                    }
                    else
                    {
                      $error="Sorry !! Authentication Failed";
                      echo "<p class='alert alert-danger'><strong>$error</strong></p>";
                     echo "<p class='normalFont text-primary'><strong>Your
                    Combination of UserName and Password is In-correct. Better, You
                    contact to the developer of system.</strong> </p>";
                      echo "<br><a href='admin.html' class='btn btn-primary'>< a>";
                    }
                     mysqli_close($conn);
                    }
            ?>
```

The Code 6.1.2 Shows the Authentication for the Admin as well as the Poll Participants It Evaluates the User name and Password and Allows admin to access the Database and Rights to Control the Database. The Authentication code Deals with the Database and Result representation. If the Admin enters the Correct User ID and Password it allows to Monitor and Provide Security to the System or the Polling System. The Core functionality of this Code is to Database Connection and Authentication to the Users from controlling 3rd Party Application or User to Enter into the System.

6.2 The Screen Shots

Web Screen Shot is a fast way to capture all website content and save it into an image. It's only need about 10 seconds for one screenshots (depending on website)
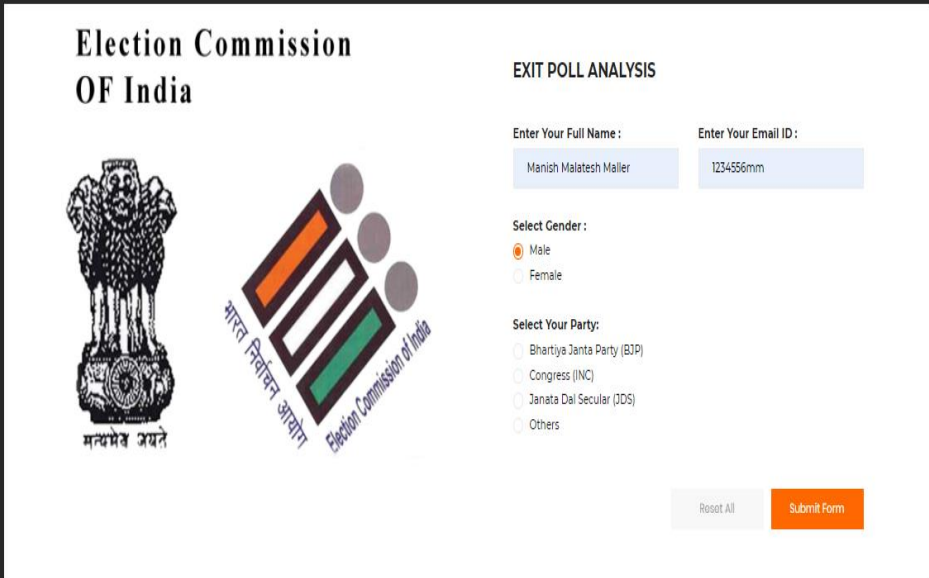
6.2 Home Page

Figure:6.2 Homepage

The Figure 6.2 shows the Home page which is a webpage that serves as the starting point of website. It is the default webpage that loads when you visit a web address that only contains a domain name. For example, visiting https://localhost/Project/ExitPollAnalysis will display the Tech Terms home page. The home page is located in the root directory of a website

6.3 Polling Registration Form

Figure:6.3 Polling Registration Form

The Figure 6.3 shows A registration form is a list of fields that a user will input data into and submit to a company or individual. Companies use registration forms to sign up customers for subscriptions, services, or other programs or plans. It allows or guides the Input that should be enter by the Poll Participants such as Name EmailID, Gender, Selecting their Party….. Providing Full and Valid Information will allow to Proceed For the Next.

6.4 Participants Review Submission Page
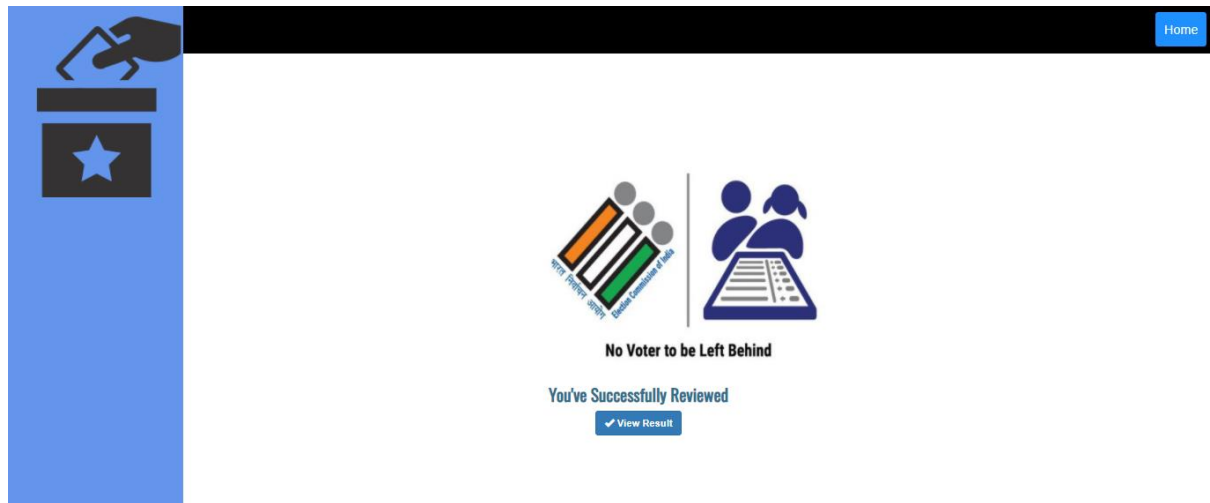
Figure:6.4 Participants Review Submission Page

The Figure 6.4 shows A Submission form allows Participants to submit their Poll Result. When user enters their Valid and Legitimate Information they can Participate in the Poll and Submit their Response to the Analysis or Survey.

6.5 Result Page:

Figure: 6.5 Result Page

The Figure 6.5 shows The Result page is the final Page for the User or Participants where they can view the Result of the Poll Conduction. The Result allows us to know the Winning percentage of their Parties and total Number of Results/Poll Results that are Involved in the Exit Poll Analysis WorkFlow Process.

Chapter 7
System Verification and Validation

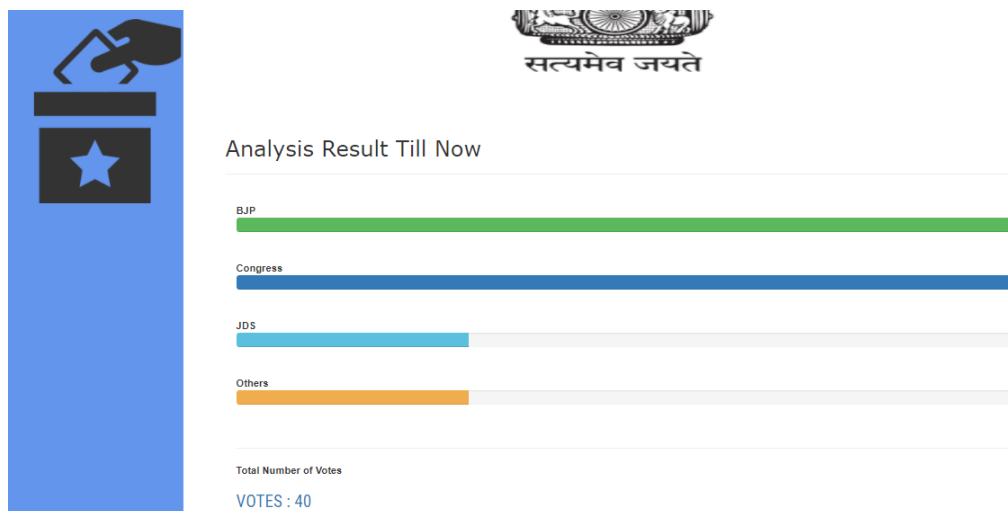Verification and validation are independent procedures that are used together for checking that a product, service, or system meets requirements and specification and that it fulfils its intended purpose. The words "verification" and "validation" are sometimes preceded with "independent", indicating that the verification and validation is to be performed by a disinterested third party. "Independent verification and validation" can be abbreviated as "IV&V".

   i.   Input validations

Table 7.1. The Test cases verifying the input data to the Exit Poll Analysis

Test Case No	Description	Data as input	Expected output	Actual output
IP1	Above Age 18 Polls to BJP	RadioButton	Polls to BJP under Age 18	Polls to BJP under Age 18
IP2	Above Age 24 Polls to JDS	RadioButton	Polls to JDS under Age 24	Polls to BJP under Age 18
IP3	Above Age 25 Polls to Congress	RadioButton	Polls to Congress under Age 25	Polls to Congress under Age 25
IP4	Above Age 40 Polls to Others	RadioButton	Polls to Others under Age 40	Polls to Others under Age 40
IP5	Above Age 60 Polls to BJP	RadioButton	Polls to BJP under Age 60	Polls to BJP under Age 60
IP6	Above Age 18 Polls to Congress	RadioButton	Polls to	Polls to

			Congress under Age 18	Congress under Age 18
IP7	Above Age 25 Polls to JDS	RadioButton	Polls to BJP under Age 25	Polls to BJP under Age 25
IP8	Above Age 40 Polls to BJP	RadioButton	Polls to BJP under Age 40	Polls to BJP under Age 40
IP9	Above Age 60 Polls to Others	RadioButton	Polls to Others under Age 60	Polls to Others under Age 60
IP10	Above Age 18 Polls to JDS	RadioButton	Polls to BJP under Age 18	Polls to BJP under Age 18
IP11	Above Age 25 Polls to BJP	RadioButton	Polls to BJP under Age 25	Polls to BJP under Age 25
IP12	Above Age 40 Polls to Congress	RadioButton	Polls to Congress under Age 40	Polls to Congress under Age 40
IP13	Above Age 60 Polls to Others	RadioButton	Polls to Others under Age 60	Polls to Others under Age 60

ii.   Core functionalities

- Authentication: The voting server warranties only authorized Polls to see the list of candidates they should be able to Polled for. Only the Polls are on the Polls' database will have access to the list of candidates using their Polled IDs and PINs. If a Polled enters a wrong ID or PIN, he or she will not get the list of the candidates to Polled.

- Uniqueness: The tally server checks whether a Polled has already Polled or not. If the Polled has already Polled, he or she will not be able to Polled again. Both the Polled ID and the Polled will be sent to the tally server. The tally server checks the ID first. If the ID is on the list of IDs that already Polled, the Polled will get the message: "You already Polled and can not Polled again. This Polled will not be counted. Please wait for the final result. Thank you!" If the ID is not on the list of IDs who already Polled, the Polled will be counted and the Polled will get the message: "You just Polled successfully. Thank you for your Polled!"

- Accuracy: The tally server records all Polls to a file correctly. It has been verified that all Polls are saved to a file and counted at the end of the voting process. It is assumed that there will not be any hardware, communication, and system failure during the voting process.

- Integrity: If a Polled has Polled, the Polled will be saved in a file and cannot be modified without being detected. Basically, Polls are coded, encrypted, and saved under Big Integers arithmetic. The system allows the Polled to Polled one time only and this Polled cannot be changed purposefully because the administrator does not know how Big Integers are used for encoding and encrypting Polls that hide which Polls have Polled for 29 which candidates.

- Verifiability: Each time a Polled Polls for his or her candidate, if the Polled is submitted successfully, he or she will get a confirmation message such as "You just Polled successfully. Thank you for your Polled!" So Polls verify that their Polls are counted or not. It is assumed that there is no network failure and failure in the email system during this step.

- Auditability: The system can be tested and demonstrated that it works with a number of Polls being authorized and Polled at the same time. The system was tested with more than 1,000,000 Polls. It counted all Polls and matched these Polls to candidates. [add logging information]

- Polled Confirmation: The voting system sends an email to the Polled to confirm that he or she has already finished voting. The result of the voting is also sent to Polls so that they will know which candidate is a winner via an email. The email includes an Excel file that includes candidate information, total Polls, and position for each candidate. From the information in the file, a Polled can find who is a winner.

Table 7.2 Reviewing system survey

Analyzer	GUIs	Authentication and Uniqueness	Accuracy	Integrity	Verifiability and Review Confirmation
A	9	9	10	8	9
B	8	8	10	9	9
C	9	8	10	8	8
D	7	9	10	8	9
E	7	8	10	8	8
Average	8	8.4	10	8.25	8.6

iii. Output formats

Table 7.3. The Test cases verifying the Output data to the Exit Poll Analysis

Test Case No	Description	Data as Output	Expected output	Actual output
OP1	Above Age 18 Polls to BJP	Graphical Polled View	Polls to BJP under Age 18	Polls to BJP under Age 18
OP2	Above Age 24 Polls to JDS	Graphical Polled View	Polls to JDS under Age 24	Polls to BJP under Age 18
OP3	Above Age 25 Polls to Congress	Graphical Polled View	Polls to Congress under Age 25	Polls to Congress under Age 25
OP4	Above Age 40 Polls to Others	Graphical Polled View	Polls to Others under Age 40	Polls to Others under Age 40
OP5	Above Age 60 Polls to BJP	Graphical Polled View	Polls to BJP under Age 60	Polls to BJP under Age 60
OP6	Above Age 18 Polls to Congress	Graphical Polled View	Polls to Congress under Age 18	Polls to Congress under Age 18
OP7	Above Age 25 Polls to JDS	Graphical Polled View	Polls to BJP under Age 25	Polls to BJP under Age 25
OP8	Above Age 40 Polls to BJP	Graphical Polled View	Polls to BJP under Age 40	Polls to BJP under Age 40

OP9	Above Age 60 Polls to Others	Graphical Polled View	Polls to Others under Age 60	Polls to Others under Age 60
OP10	Above Age 18 Polls to JDS	Graphical Polled View	Polls to BJP under Age 18	Polls to BJP under Age 18
OP11	Above Age 25 Polls to BJP	Graphical Polled View	Polls to BJP under Age 25	Polls to BJP under Age 25
OP12	Above Age 40 Polls to Congress	Graphical Polled View	Polls to Congress under Age 40	Polls to Congress under Age 40
OP13	Above Age 60 Polls to Others	Graphical Polled View	Polls to Others under Age 60	Polls to Others under Age 60

Chapter 8

Conclusion and Future enhancement

Conclusion:

Now a days a good Online Portal for Survey and Polling System is a gateway to the Poll management and its works. People get influenced by look and easy to access features. So it is imperative that a , be it a small scale, medium scale or a large scale will always look for a good computerised survey taking system. With technologies on the go touching people's lives anywhere and everywhere, a good Online Portal for Survey and Polling system acts as a bonus to these modern world institutions.

This project has been developed for the survey and polling systems. Admin gets login by valid username and password. Admin can see the request send by the Poll Participants. Admin can also create events manually. Admin can view all the details and can allow special user to create event. Admin verifies the details of the members and declares the result.

The Poll Participants Performance portion will allow participate in the polling system for analysis of the Election Results . They are also allowed to participate in the Selection of the Member survey and Many others.

The Candidates or Party's portion will also work in the same process but it will be monitored by the Admin Who can Add the Member list or Party List Updated.

Features of this management system:

- Easy to read, understand and navigate.
- It is completely secure and Immediate Responsive.
- It can be completely controlled by a single person, i.e. admin.
- This system is easily compatible with most of the browsers such as Google Chrome, Mozilla Firefox, and Microsoft Internet Explorer etc.
- It is very interactive and saves time.
- Reduces paper works.
- Quick and Effective Results.
- Any User above Age 18 can Participate in the Poll Survey.

Future scope of the work:

- The development process of this system can be easily followed by adding new features to the site as and when the end user requires. This might also lead to a possible enhancement of flexibility between the modules.

- In future we may add a member portal where members can give feedback about an event.

- Some visualized features may be added which can be more interactive to the members of the system.

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