E - VOTING SYSTEM

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Abstract—The problem of traditional-voting-system is time-consuming and security. This paper is with the devel- opment of an online voting system that is advance from the traditional voting system. We use an online voting system to promote awareness and make the election more comforta- ble and more secure by using people Aadhaar card that is stored in the government database. People can log in with their id and linked mobile numbers to participate in voting and choose their favorite candidates to cast vote. This will motivate people to participate in an election without going to the election center.

Keywords— Vote, e-voting, voter, election, administrator com- missioner, users, Aadhar card

I. INTRODUCTION

The system introduced is a digital voting scheme which incorporates an Aadhaar number. The person having the Aadhaar card and also pass the eligibility criteria of the election commission of India (ECI) then can participate in the election. This allows people to cast their vote and choose their favorite candidate. And when they vote the data will transfer to the database.

Every country has some unique method to identify their citizen so in India we have Aadhaar card that is unique for every Indian citizen. The data is with India's national identity authority (UIDAI), a legislative jurisdiction established by India's government in January 2009 under the authority of the Government of Communication and Information Technology.

The program deals with electronic voting and the specifics thereof. It lets the consumer vote online for the nominee. Could have the candidate's and elector info as well. Without the wastage of time, the citizen can vote for the respective candidate. With the present method, we use ballot paper to count the amount of ballots, it requires a lot of time to solve the drawbacks of the original system, this new program has been introduced to mark our job even faster and to re-duce loss of time. In fact, we don't get correct findings with the program presently with operation.

II. FRAMEWORK OF E - VOTING SYSTEM

These usage case examples model actions in a program, which lets engineers consider what the customer wants. The stick guy reflects what an artist is called. The use-case dia-gram must be used to provide a rundown of the sys-tem and clarity which includes what they can't do more critically. A use case diagram contains usage cases, actors, and the connection between usage case and actors is seen.

- The aim is to demonstrate the relationships between a use case and an individual and the contact.
- To depict per-spective of the user's process requirements.
- An individual in the method exposes the end-user or an external program.

A use case provides the details description about the set of se- quences of the actions by graphically, it is also produced as the ellipse with the solid line including only its name. A use case diagram is a behavioral diagram that describes a group of use cases, actors, and their relationship. This is an association and connection between the use cases and actors. An artist takes forth an entity from the physical universe.
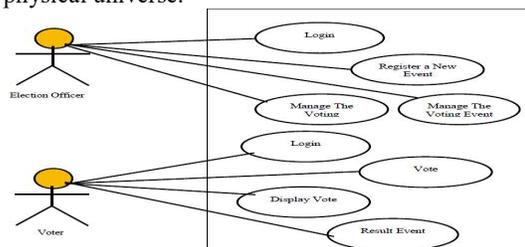

PAGE LAYOUT OF APPLICATION

When the time comes to design the site for the system then we think to design the site in a very interactive

way such that peo- ple can easily understand the meaning and function, so we did the same and designed that site. Whenever you visit the site, the main page will open that contains the login option for 2 differ- ent types of users. The two different types of users are election commission staff login and the voter login.
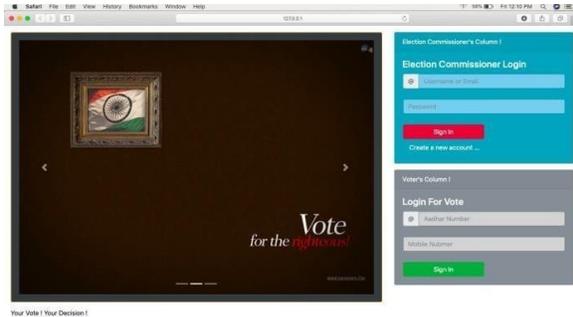
Election commission staff login: this login column is for the authorized person by ECI. After the login, they will find vari- ous options such as: create an event of the election, a result of the previous election, upcoming voting events, etc.
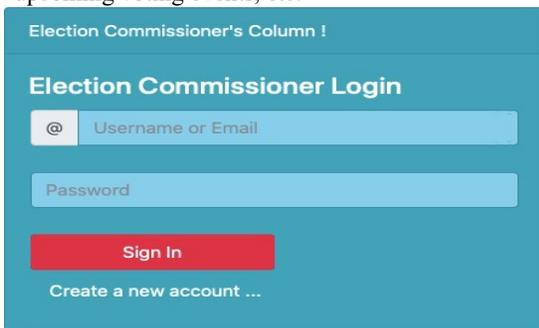
Voter login: this column is for a voter. All voter having a unique id (Aadhar number) and linked mobile number which they have to use to login. After login, they will get to know if any current voting event is available in their area or not. If yes, then they can cast their vote to their favorite candidate and they can also check the current result of the events.

The data flow diagram provides a machine perspective of the input-process-output i.e. Fact objects are converted by computing elements to float through the database, and subsequent Truth objects float out of the program.
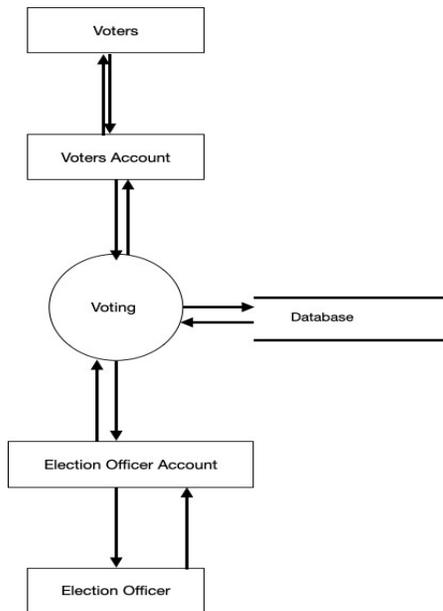
Circles sometimes named bubbles reflect truth structures described by designated arrows and transformation. The data flow diagram is described herearchically i.e. the structure as a whole reflects the first data flow dia- gram model. The corresponding data flow diagram refines the background diagram (level 0 Information flow di- agram) and presents increasing information for each corresponding stage.

Data flow diagram enables simultaneous de- veloping of knowledge system & practical object models by the software engineer. The analyst conducts an implied computational decomposition of the device as the data flow diagram is distilled into greater rates of information. Around the same time, the improvement of the Information flow diagram results in a reciprocal improvement of the information as it passes through the phase embodying the applications.

A context-level Information flow diagram for the system develops content for device processing by the specific external forces and absorbs machine-generated information. The marked line defines objects of reality or hierarchy of things.

RULES FOR Data flow diagram

- Address the system's distance using the sense diagrams.
- Arrange the data flow diagram to ensure the main intervention flow
- Lets learn from left to right and from top to bottom.
- Define both participant inputs and after-process outputs.

III. DATA-FLOW DIAGRAM OF E-VOTINGSYS-TEM

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- Identify every internal mechanism of the Rounded Circles method.
- Make sure that the systems express all that is achieved exactly.
- The method must not be anonymous.
- Internal origins and de facto targets, details and square knowledge.
- Amount of replicated external events on every event.
- Identify all process stage details, facts and information flows, except for basic recordset retrievals.
- Mark the flow of data on every Arrow.
- The arrow signifies stream.
- Using the flow arrow to display the motions of data between the actors.

RESULTS

The E-Voting Program is a mobile program that eliminates the need to invest more human hours on record keeping and counting late votes. Through this, the users and the candidates are registered online. Their list of data is kept in the database and enables the admin to quickly access the information of the voters and the can-dates. All voters allowed to vote only once so there is no chance of duplicated votes. This program holds the details organized and at the same time open to all users. This is an simple way for historical details to be handled and preserved in the da- tabase. The method is user friendly such that the human hours expended doing everyday items are minimized and therefore the output is improved.

CONCLUSIO

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The kit has been planned to make potential development simple to do. If assumptions can be clarified from the production level, then the following statements.

- All-system control increases performance.
- It delivers a user-friendly gui that is stronger than the current framework.
- It allows the allowed users reasonable entry, based on their permissions.
- It successfully overcomes coordination delays.
- Updating details is making things much easy.
- The compelling characteristics of a device and computer protection with durability.
- The device has ample room for adjustment where appropriate.

FUTURE AFTER

It is an easy, and effective process to voting which allows the reduction of traveling,waiting in long queues avoid unwanted votes and duplicated votes. And we can get an accurate number of votes.

My team members have worked tirelessly to introduce the user-friendly program compared to the current one about the various activities details. Primarily, when we register we get a unique id by using that unique id we allowed to login and allowed to vote. Each and every user are allowed to vote only once nobody is allowed to vote more than once and only the registered persons only can vote. The candidates also get registered by getting a unique id and he can compete from anywhere and can see the results.

We can add different kinds of buttons for access and availability to everyone in remote areas. These are the improvements that we may actually be aware about.

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