

Online voting system linked with AADHAR

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ABSTRACT: This paper deals with the online voting system that will make the voting system smart. OVS(online voting system)is secured and it have simple design. We will use bio matrix device in this .That make it more secure. We linked it with AADHAR card. In the whole world finger print of every person is unique. So we will use this technique. The percentage of voting will be increase surly. And also it reduce the false vote.

Keywords: OVS, AADHAR, HTMP5, php.

I. INTRODUCTION

Our basic idea is to create a online voting system. OVS (online voting system) is need of 21st century. Our Prime Minister is talking about smart cities. We are going to get about 100 smart city in next 4-5 years, but i think a smart city will be incomplete without a smart voting system.in my project i will make a smart voting system i.e. OVS. This OVS will be linked to AADHAR card. And also in present voting system we face many problem just like booth capturing, a long line at booth. And it takes also a whole day to declare result. Rural area's people have problem that booth is very far from their resident & Urban area's people take it as a picnic day. I think all these problem have a single solution i.e. OVS.

We have to linked our VOTER ID card to AADHAR card. In AADHAR has our finger print and other personal data. We all know that everyone has unique finger print. This OVS is only possible when voter id card is linked to AADHAR only.

In OVS, we make a simple website only of 3-4 pages. Our 1st page will be "Enter your AADHAR NO.". Voter have to enter this. If this exist then system will open a new page including some detail of Voter and ask him for thumb- impression. The voter have to give input(thumb impression) through a bio-metric device or finger print scanner. This device is

connected to the system. After getting the thumb- impression , online system has to check that this input is correct of correct people. If it is, then it will open another page including his area's candidates list with their symbol and party name. Voter will give his vote by selecting anyone of them. His vote will be automatically recorded in data of Election Commission of India. All this process take approximate 1 minute. After over, EC can give result in 10-15 minutes, if it need.

II. THE OLD VOTING SYSTEM

A. Paper ballet:

It is the oldest voting system. This type of voting system includes casting vote on a paper using stamp. Each voter has one paper (ballet).So user can't vote more than one time. A ballet is a paper on which voter mark stamp on the name of a candidate. This is suitable for such voting in which there are are less no. of vote. This is very easy and simple. But this has many disadvantages. It is time consuming and less secure.

B. Electronic Voting System:

This is the current voting system used in India. In this vote is cast using electronics ballet. In this we cast our vote in an electronics machine. That is group of some counters and registers. This voting system is quite easy, simple. It has advantage like mobility, secure, flexibility, tally speed and cheap for election commission.

But in todays all people are so much busy that they have don't have time to vote.

C. Online Voting System:

This is latest voting system. This may be the part of digital India. In this voter cast their vote through internet. This voting system is depend on internet. This is secure, cheap, less time-consuming, easy. Using this election commission can declare the result with some minutes. This very fast. It has advantage like portability , mobility, reusability.

III. LITERATURE REVIEW

A. Background :

This system is developed such that every user can use it simply. In this first user have to open that link. Then user have to login through his thumb impression. The testing and development is done via Ethernet. OVS is the active part of research. The main reason is its security. This challenge are required to resolve so that voter can cast their vote without fear of unsecure vote. Proposed OVS is voting system through which voter can cast his vote in his country/state. OVS contains:

- Information of voter including his finger print (thumb impression) in database.
- Name of candidate and their respective constitution area.
- Vote in database.
- Calculation of votes.

Each information is stored in database. The vote is automatically stored in the database of Election commission.

B. Product Perspective :

This system is developed on the php. In this some part of HTML and J-query is also used.

C. User Characteristics :

For this we have to consider that user can handle computer easily. And user can easily cast his vote through this.

D. Product Functions :

The voter must have to connect to the internet to authenticate his unique Id and then able to vote.

E. Overview of Data Requirements :

We require full detail of voter, his constitution area, detail of candidate including his photo, his party name, his symbol.

F. Assumptions and Dependencies:

We have to assume that user has a pc/laptop with a bio-matric device and we have to assume that link for voting is not blocked by firewall.

IV. SALIENT FEATURE

Online voting system is a system that helps us in voting. This system require the information of user. Information of each voter is stored in data-base. All this information is already include in AADHAR. The first page of this website is home page.

A. Home:

It is the welcome page of OVS.

B. Registration :

The registration of voter is done by Election-commission.

C. User Login:

First the system ask for the unique id (AADHAR no.), then user have to enter his AADHAR no. After that system ask for thumb impression. Use have to give it through bio-matric device. Then if the thumb impression is match with the existing impression stored in database, then it automatically login the user.

V. RESOURCES

We have to create the system using php,HTML5,J-query,Javascript and some tools.

VI. CONCLUSIONS

Our main proposal is to enable the user to cast his vote using OVS without going to booth. User can cast his vote from his home or any way. And to reduce the proxy vote and in booth capturing situation this system help us. Due to easy and secure voting the voting percentage also increase drastically. The main advantage of this system is that it does not require the graphical proximity. So that soldier , policemen and other busy person are able to participate in the election.

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