

Online Voting System Support through Face Recognition

¹Dr.S.Prem Kumar, ²P.Anusha, ³S.Anusha

¹CSE Department, GPCET (affiliated to JNTUA, Anantapur), Kurnool, India

²CSE Department, GPCET (affiliated to JNTUA, Anantapur), Kurnool, India ³CSE Department, GPCET (affiliated to JNTUA, Anantapur), Kurnool, India

¹dean@gpcet.ac.in

²pravalikapullagura@gmail.com

³sinthreanusha@gmail.com

Abstract:

In this paper another verification method in internet casting a ballot framework utilizing facial acknowledgment of the voter is utilized. In India, as of now there are two kinds of casting a ballot framework practically speaking. They are mystery Ballot paper and Electronic Voting Machines (EVM), but both of the procedure have some confinement or bad marks. In India internet casting a ballot has not been at this point actualized. The present democratic framework isn't protected and secure as well. The voters need to go to circulated places like surveying stalls and remain in a long queue to make their choice, due to these reasons the majority of the individuals botches their opportunity of casting a ballot. The voter who isn't qualified can likewise make its choice by counterfeit methods which may prompts numerous issues. That is the reason in this task we need to propose a framework or path for casting a ballot which is exceptionally powerful or valuable in casting a ballot. In our methodology we have three degree of security in casting a ballot procedure. The main level is the check of remarkable id number (UID), second level is the confirmation of political decision id number (EID) and third level is face acknowledgment or face coordinating. The security level of our framework is significantly improved by the new application technique for every voter. The client verification procedure of the framework is improved by including face acknowledgment in an application which will recognize whether the specific client is validated client or not.

Keywords:EVM,UID,EID.

I. INTRODUCTION

Presently,In India two sorts of strategy are utilized for casting a ballot. [1] The principal strategy is mystery polling form paper, in which bunches of paper are utilized and [2] second technique is EVM (electronic democratic machine) which is utilized since 2003. we need to propose a technique or path for web based democratic that is more secure than the current framework. In this proposed

venture face identification and acknowledgment idea is utilized to recognize the careful individual. There are three degrees of check were utilized for the voters in our proposed framework.

The first is Unique id number confirmation, second degree of check is political decision commission id or voter card number, on the off chance that your political decision bonus id number is right, at that point you need to go for third degree of security which is the primary security level where the framework perceive the substance of the genuine voter from the present database of face pictures given by the political race commission. On the off chance that the caught picture is coordinated with the particular picture of the voter in the database, at that point a voter can make their choice in the election.as you need to realize that in existing framework isn't substantially more verify in light of the fact that in existing framework security level is just voter card so any one can give other individual vote with voter cardbut here we proposed a path for casting a ballot which is more secure than existing framework.

II. EXISTING SYSTEM

In the present voting system, [3] the expressive ballot machines whereused in which the images of different ideological groups are shown. At the point when we press the catch with the particular party's (ideological group) image the voting is finished. The possibility of phony individual making their choice is more in the current framework. The votingperson may utilize the fake voting card and make his choice, this may cause issue. In the current framework, the individual needs to make a trip long places to his voting demographic to make his choice. Along these lines, we need a compelling technique to distinguish the phony voters during casting a ballot. So the, facial confirmation process is utilized for distinguishing the ideal individual and furthermore making the framework to work in on the web, which will assist the voters with casting their vote from their place itself.

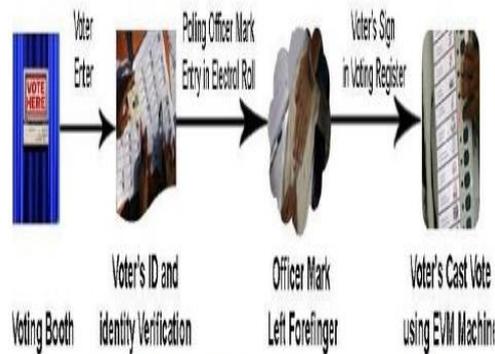


Fig.1 Exiting Voting Process scenario

III.PROBLEM WITH EXISTING VOTING SYSTEM

Distribution of area is chosen ahead of time.
Voters need to reach there to make a choice.

- Chances of sham democratic are more in such a case that approved individual isn't straightforward as he/she is required to be along these lines, he might perform unlawful assignment of deciding in favor of a specific gathering individual. Because of this failing odds of brutality may raise or upset the on going procedure. In hardly any cases voter is enrolled at more than one territory so there are possibilities of vote recorded twice.
- Different voters have distinctive motivation to deny or to keep up a fundamental decent ways from or to escape from the democratic state, because of inaccessibility on the day or spot of the democratic, dread of savagery.
- To execute a democratic procedure labor is required and the cost will increment per political decision as the populace increments

IV.PROPOSED VOTING SYSTEM THROUGH SMART DEVICE

As the discussion starts with casting a ballot through cell phone, initial an application is required through which voters can impart. Secure server farm is need to store and bring the information according to prerequisite. Still there is an issue of gathering voter's data. We have to

utilize existing database in which voters data exist. Voters/residents data is accessible in "ADHAR CARD" database. Accept that pretty much every next individual is having cell phone on which our application program will execute. In the first place versatile based democratic framework all through democratic procedure an web association is fundamental. Fig 2 shows the useful outline of the proposed framework. After association is set up voters need to download application from a particular source. In the process of downloading and introducing, start the application for face acknowledgment to do this need to begin front camera of savvy gadget once it's begun then need to examine face through front camera of brilliant gadget then framework contrasts examined picture and unified put away data this is called as sign in process. When face is perceived effectively the total detail of voter/resident originates from "ADHAR CARD" database and related data exists on cell phone. Inside this application rundown of applicants show up according to area which is gotten from "ADHAR CARD". From the rundown, voters can choose any one applicant according to his/her decision and in the process of choosing the applicant casting a ballot is practiced. Along these lines, in the process of choosing specific applicant tallying is augmented by one halfway. Here, the inquiry might be raised about verified voting form? Database is utilized to bring the data of voter and just one banner property built when client performs face acknowledgment banner default esteem is zero changes to one which demonstrates that specific voter has given the

vote and another different database is utilized to store check of votes. In this way, according to Indian constitution it jelly secure polling form. In the event that Voters don't have any shrewd gadget in such circumstance one normal area is doled out for casting a ballot through portable telephones. In this way, on this area just scarcely any (people) are included to complete this procedure.

V.ADVANTAGES OF PROPOSED SYSTEM

As in the proposed framework everything is done through one gadget in this way, casting a ballot will get straightforward to all residents

- There is no possibility of viciousness or assault as this procedure isn't put situated.
- Voters don't have to sit tight for longer timeframe as they don't need to hold up in a line and there is no time imperative; this framework gives versatility to voters.
- Less tedious when contrasted with existing framework.
- As this framework stores the checking halfway the consequence of political decision comes in brief timeframe period.
- Cost is decreased as the shrewd gadgets are accessible with the people. Additionally since no or almost no labor is used, the expense of procedure execution is sensibly decreased.
- Highly secure and no odds of information lost.
- Voting data will store at server so no compelling reason to stress if brilliant gadget will harm.
- Unlimited no. of applicant data is being put away.

VI.OUTCOME

The proposed framework will be gainful in various manners. The voter confirmation will be done through face acknowledgment. Just the confirmed voter can cast a vote, subsequently sham democratic will be disposed of. A voter can cast a vote just once. Thus, casting a vote different times or sham democratic will be precluded. Also, being a keen gadget, there is no topographical and time

requirement. The proposed framework would constrain the democratic timespan enabling the voters to cast a voting form inside that time period as it were. As there will be no group collection, there are no odds of savagery. Being computerized framework, political decision in various openings need not be organized. It tends to be sorted out around the same time everywhere throughout the nation. The democratic outcome can be produced consequently and rapidly. Likewise less assets and labor will be used for execution of the framework that will lead to by and large decrease in cost. The proposed framework is non-meddling, incorporated, and monetary too time driven.

VII. CONCLUSION

As each activity is performed through web network in this way, it is one time venture for government. Voters area isn't significant yet their democratic is significant. As information is put away in concentrated store along these lines, information is open at whenever just as reinforcement of the information is conceivable. Online framework gives refreshed outcome at every single moment. Too requires less labor and assets. The database should be refreshed each year or before political race with the goal that new qualified residents might be enlisted and the individuals who are dead are expelled from the voter list.

VIII.REFERENCES

- [1] Hemlata Sahu, Anupam Choudhry, Polling System Using GSM Facility, Facility International Journal of Scientific & Engineering Research Volume 2, Issue 10, Oct-2011 1 ISSN 2229-5518.
- [2] Salman Faiz Solehria and Sultanullah Jadoon , Cost Effective Online Voting System for Pakistan, International Journal of Electrical & Computer Sciences IJECS-IJENS Vol: 11 No: 03
- [3] www.indianetzone.com/45/voting_procedure_india.htm.
- [4] Mr. Mayur Patil, Mr. Vijay Pimplodkar, Ms. Anuja R. Zade, Mr. Vinit Vibhute, Mr. Ratnakar Ghadge ,A Survey on Voting System Techniques, International Journal of Advanced Research in Computer Science and Software Engineering.