International Journal of Advanced Information Science and Technology (IJAIST) ISSN: 2319:2682
Vol.3, No.11, November 2014 DOI:10.15693/ijaist/2014.v3i11.27-28

WIRELESS E- VOTING

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***Abstract*— In the era of technology the voting machine or voting system or process which is present today is highly unsecured. Being in the age of computer we are compromising the security by opting for electronic voting machine because in the present electronic voting machine it is not intelligent. That it is cannot determine the person come for the voting is eligible or not. That is whole control is kept in the hand of voting in charge officer. It requires more manpower to process the whole system and also it have a documentation. So by using a E-Voting system we can reduce a documentation as well as manpower requires for processing. One more risk with the present voting machine is that anybody can increase the vote count. Since the count is present in the machine itself.**

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Index terms –Wireless Voting, E-Wireless Voting .

I. INTRODUCTION

In proposed system that is "Wireless E-Voting" the machine is made intelligent which can determine the eligibility of the voter by scanning eye pattern or fingerprint and also the vote count is not kept into the same machine itself or in the same location instead of it, it is store in the remote server by converting it into radio waves. Here there is no chance of increasing the vote count of machine. Even in the case of damage of voting machine in any case, there will not be harm to continuity of the election process.

II. PROPOSED SYSTEM

- In our system we trying to keep counting of votes into a remote secured system.
- In wireless E-Voting system we are using a electronic circuit or system which enables the voter to vote and transfer this vote to the remote system by converting it to radio waves through the mobile towers.
- This system can check the eligibility of the candidate by itself, so there is no question of corruption. Machine itself is automated to check the eligibility of candidate.
- It reduces the manpower requires for the conduction of process.
- It reduces the documentation required and minimizes the faults and error which occurred in the documentation because of that it reduces the hard work of human being.
- Here we need not to go for the re-election even if the machine is damaged.
- A person even can vote if it is out of station. Anyone can vote from a mobile system and also from internet.
- We can vote from anywhere even though being a voter of another region.

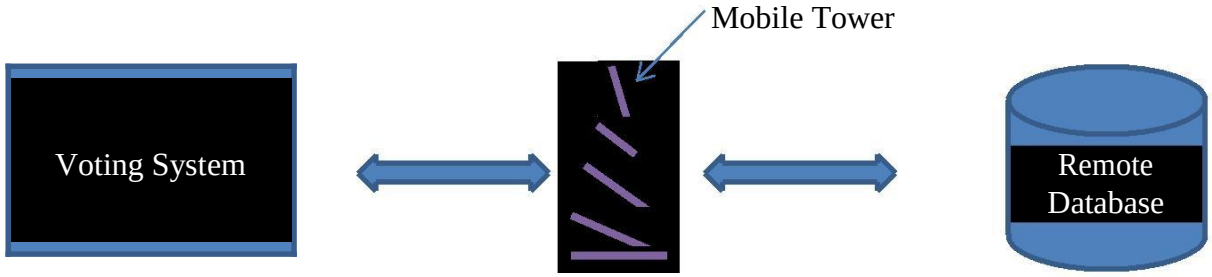

Fig. Wireless E-Voting System

III. WORKING OF MACHINE

Whenever voters enter to voting booth then he will be instructed to directly look at retina scanning machine at this time the machine scans the retina Or the system where the thumb of fingerprint given. Once retina scanning properly confirmed then it sends signal to the voting machine as to accept the vote it will be powered on. Then voter is made to vote. Now the whole data including the retina pattern is sent to interfacing device which converts into radio waves of mobile frequency range and these radio waves are sent to mobile tower and then to the remote server where the authentication and voters identification is stored into a secured database.

The received data is first converted into digital format from the radio waves through the interface device kept at the server side and the retina pattern and vote separated.

Next the retina pattern is matched against the existing database if the match is found then flag is check which indicates its

voting status i.e. if the voter is not voted yet then +Ve ack is sent to the mobile tower and then to the corresponding voting machine. This ack is recognized by the receiver kept at the voter side and the machine is made to scan next retina pattern and vote, otherwise if –Ve ack then alert is made to ring.

IV. Conclusion

This wireless system will work to improve the accuracy of the voting as well as it will helpful for reducing the human efforts and documentation problem. By using a mobile communication channel we can easily develop a voting system.

References

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