Abstract

The conventional methods like ID card verification or signature for voting does not provide perfection and reliability. Identification by biological features gets tremendous importance with the increasing of security systems in society.

Various types of biometrics like face, finger, iris, retina, voice, palm print, ear and hand geometry, in all these characteristics, iris recognition gaining attention because iris of every person is unique, it never changes during human lifetime and highly protected against damage. This unique feature shows that iris can be good security measure. Iris recognition is an automated method of biometric identification. The function of the iris is to control the amount of light entering through the pupil, and this is done by the sphincter and the dilator muscles, which adjust the size of pupil. The complete iris recognition system can be split into four stages: Image acquisition, segmentation, encoding and matching.

Secondly, the need for Remote electronic voting using biometric systems has been arrive
because of security issues irregularity of voters as the peoples who are not present in their respective towns are not able to vote. Thus a process should be designed such that there should be a portal through which one can vote even if the person is not in his own city. Iris scanners are available in the smartphones we are using now a days. Election booth would still work as the people who cannot afford the high quality smartphones may cast their votes too.

The second concern regarding voting is the instant counting of votes casted by voters, Conventional voting takes much time and the possibilities of mistakes are comparatively high.

References

1. Kalyani R. Rawate, Prof. P. A. Tijare, Human Identification Using IRIS Recognition 2017

Index Terms

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Keywords

Remote, iris detection, i-voting