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LITERATURE REVIEW ON ENHANCED SECURITY OF AADHAR BASED BIOMETRIC VOTING MACHINE

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ABSTRACT

Bangladesh is one of the countries in which introduced voting system in parliamentary and assembly polls. Electronic voting system is very popular nowadays. E- Voting system consists of electronic data which is recorder and processed in a secure manner. E-Voting system is very popular method but low security mechanisms are implementer in this method. The use of finger print in a voting system for registration and authentication application has it's limitation. Limitations are mismatches caused by disparity in finger print trait and templates of voters taken at the point of registration and authentication, aging, variations in user interaction (i.e. pressure on the scanner), environmental changes and injuries are few of the factors that can cause these disparities. The iris is more resistant to this factors that cause disparity in biometric. A mismatch denies the voter access the voting system. In every election, the election commission is facing a lot of troubles and various types of problems throughout the election. The most familiar issue faced by the election commission is improper confirmation with respect to the arrangement of casting the votes, duplication or illegal casting of votes. In this paper, a secure and new voting system is developed to improve the existing voting system using iris recognition. Iris is one of the most secure biometric of person identification. This implemented iris recognition technology drastically reduces the chances of mismatches for genuine voters and denies imposters in the voting system due to its reliability and robustness .The main goal of this article is to avoid the duplication of casting votes.

Keywords— *Biometric, Voting system, Iris recognition*

I. INTRODUCTION

Voting System is the government election processes in every democratic nation. Democracy is to allow people to vote on their interest and it is right of every individual of a democratic nation. The democratic government depends on the results of the election. Today's world is an era of internet and technology, internet and electronics are increasing day by day. It is unavoidable to upgrade the traditional voting system and protect the security of it. The main intention of this article is to develop a new idea about voting system and also ensure security of it. To safeguard the security of voting system, we use iris recognition in proposed system. Iris recognition is used since it is highly unique, stable, cannot be duplicated and easily captured. Many types of voting system have been used around the world. Paper ballot voting system is an old and unsecure voting system where it is possible to caste multiple votes from same person. It runs to fling the vote with a ballot paper and a stamp. In electronic voting system, the election data (voter information, vote) is recorded, stored and preceeded as digital information. Electronic voting system is used to caste vote as well as counting number of votes.