

Biometric Security System for Voting Platform Literature Survey

1. Title:

"A proposed framework for biometric electronic voting system"

Author: Md. Mahboob Karim,
Nabila Shahnaz Khan

Year: 2000

Description:

In this paper, they have focused on designing an biometric electronic voting machine along with finger print authentication and centralized database. Based on total number of voters, several BEVM will be installed in each polling station for different elections in Bangladesh which will help to deploy the

fingerprint machine task accurately within less time. The proposed system is a biometric e-voting system which has two main sections:

1. Voter registration

2. Voting control and result calculation

Each user needs to register first as a voter through the system with biometric verification. The information of the voter will be saved in a central database.

2. Title:

"Secure and Transparent Voting System using Biometrics"

Author: Ch. Jaya Lakshmi,
S. Kalpana

Year: 2018

Description:

System is a secured e-voting system that uses and has database

as its back-end. The system assure authentication of an individual matching fingerprints and eligibility is checked by calculating the age of the voter thus making the existing voting cards redundant. The proposed system contains two databases. One is central database and another is local database of the polling booth, central database from the backbone of the system.

3. Title :

"Smart Electronic Voting System
on Biometric Identification Survey"

Author : J. Deepika, S. Kalaiselvi

Year : 2017

Description :

Proposed voting system which use biometric identification as a major concept some other

works have different algorithm being used. In this paper, they proposed about the concept of getting the fingerprint impression of a voter which is entered as input to the system. Then compared with the available data in the database. If the particular pattern matches with anyone on the available data in the database anyone on the available record to access cast a vote is granted. Then the result is instantaneous and counting is done via IOT. They use GSM module in order to increase the speed and security of the voting system. Using GSM module, the message will be sent to voter's mobile that he has successfully casted the vote so that he can verify easily

without any confusion. Then another new technology used here is DOT which is the most significant in this concept. Using counted votes can be easily sent to the total database server so that the overall counter votes and the elected party that is the selected party can be announced.