Implementation of Smart Election System using IoT

V. Revathy, V. Rubika, M. Sadhana, Ms. K. Arthi
Department of Electronics and Communication Engineering
SRM Valliammai Engineering College, Kattankulathur, Tamil Nadu, India

Abstract: *In Indian Democracy, Voting is the essential fundamentals of each citizens. Building a secure balloting system has been a challenge for a due course of time. In this modern scenario, vote casting system has a few troubles with it. One of the most important problems in existing vote casting system EVM (Electronic Voting Machine), is confidentiality of voter, loss of secrecy of ballot, voter anonymity etc. In this paper, we proposed a biometric method which will resolve the problem of the modern-day voting system. Here, we added the concept of getting the fingerprint impact of a voter which is entered as input to the system. Then, compared with the collected information in the database. If the precise pattern suits with the reachable record, then casting a vote is permitted. Then the quick result is on the spot and counting is performed by means of IoT.*

Keywords: Smart Election System, IOT Fingerprint Scanning; Robust, User Friendly

REFERENCES

[1]. A.Balamurali, Potru Sarada Sravanthi, B.Rupa, "Smart and secure voting machine using

[2]. biometrics," 4th International Conference on Innovative system and control (ICICSC), 2020

[3]. S.Ganesh prabhu, R.R. Thirunavukarasu, Nizzarahammedd, Raghul., P. Jayarajan, "Smart Online Voting System," 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021

[4]. Samarnath agarwal, Param dev, Afreen haider, Rajeevan chandel, "Biometric based secure remote electronic voting system," IEEE 7th International Conference on Smart Structured and Systems (ICSSS), 2020

[5]. Sudeepthi komatenini, Gowtham lingala, "Secured E-Voting system using two factor biometric authentication," 4th International Conference on Computing Methodologies and Communication (ICCMC), 2020

[6]. G.Rama lakshmi, V.Likhitha, K. V. Renuka, CH. Sri Rekha, T. Alekhya, "E-Voting system using biometrics," International Conference on Intelligent Computing and Control Systems (ICICCS), 2019

[7]. A.M. Jagtap, V. Kesarkar and A. Supekar, "Electronic Voting System using Biometrics, Raspberry Pi and TFT module," 3rd International Conference on Smart Trends in Electronics and Informatics (ICOEI), 2019

[8]. Sunita. Patil, Amish Bansal, U. Raina, V. Pujari and R. Kumar, "E-Smart Voting System with Secure Data Identification Using Cryptography,"3rd International Conference for Convergence in Technology (I2CT), 2018.

[9]. R. Govindaraj, P. Kumaresan and K. Sree harshitha, "Online Voting System using Cloud," International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), 2020