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## **IoT Based E-Voting System to Avoid Fraud Voting**

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**Abstract:** The voting system plays a major role during elections. Traditionally, the election commission in India uses electronic voting machines which need more man-power, time-consuming and also they are less trustworthy. For avoiding misconceptions during elections, there are lot of advanced techniques are being proposed using various methods. But in the field of biometric identification, we can get the better results and it is also trustworthy, we provide the various works which are being proposed based on the voting system which uses biometric identification as a major concept.

**Keywords:** Arduino UNO, Secured voting, Biometric Identification, Electronic Voting

## REFERENCES

- [1]. P. Tamilarasu, S. Aadhithyan, K. Gowthaman, V. Hariprakash "Fingerprint Electronic Voting Machine" IJCESR, Vol. 5, Issue 2, ISSN (PRINT): 2393-8374 ONLINE): 23940697, 2018.
- [2]. Ke Chen, Member, Febrizo Lombardi Two Approximate Voting Schemes for Re Computing IEEE Sponsored 2nd International Transactinal on Innovations in Information Embedded and Communication systems (ICIIECS), 2017.
- [3]. H. C. Lee, A. Banerjee, Y. M. Fang, B. J. Lee, and C. T. King, Novel E-Voting with Biometric Authentication and Distributed Server System, IEEE journal of Reserch in computer and communication Engineering., vol. 59, no. II,pp. 2958-2967, Nov.2017
- [4]. Chihhsiong Shih, Bwo-cheng Liang, Cheng-zu Lin, Nien-Lin Hsueh, Pao-Ann Hsiung RFID based Biomatric voting machine linked to Aadhaar for Safe and Se- cure Voting IEEE 15th International Symposium on, vol., no., pp.121,127, June 2015.
- [5]. Amanpreet kaur, Yashkalyani, Singh Kushagra Harila, Rahul madhesiya based towards "Secure E-Voting Using Ethereum Blockchain" International paper Research in Computer and Communication Engineering Vol. 2, Issue 3 March, 2015.
- [6]. Abhay Kumar, Neha Tiwari, Aadhaar based fully automated EVM with High end network using ARM 7 and Arduino, International journal of Emerging Research and Technology, 2015.

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