

BIOMETRIC SYSTEM BASED ELECTRONIC VOTING MACHINE USING RASPBERRY PI

ABSTRACT

This paper focuses on simple, low cost fingerprint based electronic voting machine using Raspberry pi. An electronic voting system is a voting system in which the voters' and voting data is recorded, stored and processed digitally. The proposed system consists of controller hardware and software. The hardware is implemented with Raspberry pi along with finger print module. The proposed system gives the best solution for minimizing the time taken for identifying the voter. The design implemented in the FP-EVM is portable, flexible and with minimum power consumption. The designed system is user-friendly, easily adaptable and cost-effective. Further, the designed system has simple architecture, fast response time and scope for further expansion.

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