Fingerprint based Voting System using Arduino

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Abstract: *In Democratic country like India, the voting system plays a major role during elections. Traditionally, the election commission in India uses electronic voting machines which need more manpower, time-consuming and also they are less trustworthy. In the field of bio-metric identification, we can get the better results and it is also trustworthy. The finger print module was already stored in the government database. The electronic voting machine was connected with the computer. Transparency of voting follows through in all phases of an election process to assure the voter that his/her vote went in favor of his/her candidate of choice. To verify the robustness and reliability of the proposed system, intensive computer simulations were run under varying voting environments. Results of the simulations show that security and performance of the system are according to expectations.*

Keywords: Arduino, Figerprint module, LCD16*2, Switches.

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DOI: 10.48175/568

ISSN
2581-9429
IJARSCT

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