

(54) Title of the invention : ARDUINO BASED AUTHENTICATED VOTING MACHINE(AVM) USING RFID AND FINGERPRINT FOR THE ELECTIONS

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| (51) International classification | :G07C0013000000, G06Q0050260000, H04L0009320000, G01N003500000, H01L0021020000 | (71) Name of Applicant : 1)Mr.RAJA R Address of Applicant :Associate Professor, Dept Of CSE, Velammal Institute of technology, Chennai- Kolkata National highway, Panchetti, Ponneri, Thiruvallur (DT)-601204 ----- ----- 2)Mr.SATHIYA JEBASUNDAR J 3)SWARNESHWAR V S 4)YOKESHWARAN J 5)BHARATH VAJ RAHUL 6)DHARSHINI R 7)GAYATHRI DEVI R 8)LAKSHMI PRIYA MS Name of Applicant : NA Address of Applicant : NA |
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(57) Abstract :

Voting is a citizen's most fundamental right and one of his or her most significant obligations. The votes we cast determine the country's destiny, and we must vote honestly and without succumbing to any pressure, since, as the saying goes, "with power comes tremendous responsibility." We must guarantee that our votes are not tampered with after they have been cast. As a result, the existing voting method (EVM) is simple to manipulate, i.e., there is a lot of human interaction, which might jeopardize election outcomes. As a result, in this project, we use fingerprint module. During the enrolment stage, finger-print of a candidate along with their detail such as name, single authentication method employed which was not sufficient to completely eliminate the issues of voter fraud. The downside of the work is the use of dedicated push buttons for each candidate/party. RFID cards and tags to authenticate voters to display the number of options to vote and then we use keypad to vote.

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