

Two Level Authentication for E-Voting System Using IoT Technology

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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 will attempt to address this vulnerability by implementing a two-step verification system that will help avoid the middle man attack, namely, only when the voter is physically present can the voter's fingerprint be registered, and only then will the OTP be sent to the user's mobile number.*

Keywords: Arduino UNO, Keypad, RFID Reader, RFID Tag, GSM, Finger Print Sensor

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