Digital Polling System through Face Recognition and UID Verification

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Abstract: *The primary goal is to provide a manual voting system using a camera for facial recognition and OTP generation, as well as an online voting platform that will help reduce fraud in early online voting iterations. For voters who are unable to travel to the voting location (their hometown), we are also introducing a location-free voting mechanism. Here, we provide a system with many levels of authentication, including facial recognition and OTP verification with validation data, to guarantee the device's dependability. Every voter must be recognised and verified against the provided database of registered voters before they are allowed access to the system. The voter can move on to choose their chosen candidate from the panel once the matching face has been matched with the data given.*

Keywords: Smart Voting System, Digital Election System, Voter ID, OTP, Facial Recognition, winning party, python, OpenCV.

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