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Online Voting System Using Face Recognition and Blockchain

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Abstract: *Electronic voting (also known as electronic voting) refers to the use of electronic means to vote and to record and accurately count votes sent by users. Electronic voting systems must be secure, as they must not allow duplicate votes and be completely transparent, while protecting the privacy of participants. The disadvantage of the traditional voting system is that voting is not reliable and voters do not change until they are registered in the system. There is no transparency between the voters and the system. Electronic voting can be very useful because anyone can easily access the poll and cast their vote and express their choice. People can share a private link to the created poll (as long as they know the link) and the person with the link can vote and only one vote can be used per browser. In this proposed system, we design and develop a web-based application using python and flask framework for an online audio system using Face Recognition and Blockchain Technology with a decentralized data storage system.*

Keywords*:* Online Voting System Electronic Voting (E-Voting) Face Recognition Facial Biometric Blockchain Technology

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