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A Novel Hybrid Voting System Using Machine Learning

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Abstract: *In this proposed system a facial and fingerprint recognition-based technique is implemented. This technique uses computer vision and machine learning algorithms for the recognition of faces. The goal is to make the voting process safe, secure and easy to use. This system will eliminate the need for voting booths and electoral votes. The system will also be much more helpful for the voters because they don't need to stand in a long queue to cast their vote. The proposed system uses an Android mobile phone to capture the user photo and the python server in the backend performs facial recognition. The system is much safer than the traditional system and also saves money which is usually spent during the election process. It also eliminates the need for human resources and time for managing the voting system.*

Keywords: Voting System, Facial and Fingerprint recognition, Machine learning, Android mobile

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