Transaction Using Facial Authentication and Random PIN Generation

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Abstract: *In this paper we are going to develop a robust automated web application for transacting money in higher level security purpose with high facial recognition. First we have to register our personal details with our face and pass the liveness detection test. Haar cascade-based algorithm has been applied for fast and simple face detection from the input image. The face image is then being converted into grayscale image. After that, the iris, eyebrows, nose, mouth of candidates are extracted from the intensity valleys from the detected face it will consider as datasets now our system can understand who are all authorized and unauthorized. While login our face will be recognized if we authorized will can move to authorized page else our system won't allow to login. For higher security purpose we have used face recognition module. During the transaction our face will be recognized it will allow only the authorized account holder to transact a money, it doesn't allow others to transact a money.*

Keywords: Facial Authentication, Liveness Detection, Haar cascade, Bank Transaction.

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