

E-Crime Identification Mobile App Using Face Recognition

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Abstract

Criminal's identification mobile app using face recognition is to search and identify criminal details. Finding the criminal and identify the background data is difficult, which leads to time taking process and lack of accuracy. Crime preventions and criminal identification are the primary issues before the police personnel, since property and lives protection are the basic concerns of the police but to combat the crime, the availability of police personnel is limited. The proposed mobile applications contain criminal details such as name, case no, photo and etc. Police shall search using face recognition and other details easily through mobile. This research proposes an unobtrusive means of acquiring and recording shoeprints of anyone who enters the safe room. Proposed system is going to identify criminals at various security place such as airport, railway etc. Mobile Camera captures a fixed number of frames of a person coming in front of check in counter. Proposed system compares these captured images taken through the camera with the images of the criminals which are stored in the database. Proposed system is connection of two stages – Face detection using HAAR Based Cascade classifier and recognition using Principle Component Analysis (PCA) with Eigen Face. The goal is to implement the system (model) for a particular face and distinguish it from a large number of stored faces with some real-time variations as well.