



Department of Computer Science

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Proposal

Face Recognition Security System

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Abstract:

Our project will discuss face recognition as a mechanism used to apply security principles, years ago firms had to assign human security guard in there corporation, to ensure the safety and Protection in their institution, and achieving a level of security they willing to, we know that a human being tends as naturally in our design, to fall in and make a mistakes, mistakes could crash our designed system and destroy it to the ground, as the new world is heading towards globalization, our organization grows insanely, so our systems need to develop their security issue to fit with the zeitgeist.

Face Recognition as a security system used to recognize people faces, using different algorithms, and then match these faces in it is databases, then give us a rational decision about whether these faces are authenticated to access building application etc..., this system is very simple to use and produce effective and efficient result, in addition it will reduce human error down to low percentage, also could be used in the field of image processing and video processing to apply law enforcement and security use it to track down criminals.

this security system consist from hardware and software parts, the hardware part is simply any camera that could catch images in a quality that met our purpose, whereas the software part, is simply a face detection and face recognition algorithms.

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