Image Processing

Project Proposal

Project Name

Secure Door

Project Group

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Project Plan

This app will be based on image processing to open a door when it recognizes someone particularly.

It will be a combination of hardware and software as we will use Arduino, camera and hydraulic cylinders and valves for the door.
We will use Python, OpenCV and other libraries if we need that.

Main Idea description

Face identification system is a complex image-processing problem in real world applications with complex effects of illumination, occlusion, and imaging condition on the live images. It is a combination of face detection and identification techniques in image analyzes. Identification application is used to find position of the faces in a given image. Identification algorithm is used to classify given images with known structured properties, which are used commonly in most of the computer vision applications