MINIMUM MARKETABLE PRODUCT

Abstract: -

Our methodology revolves around getting a class attendance that could be able to predict whether or not a student is present or absent in class/ there is a stranger in class that the model could actually identify. The initial approach was to be able to launch the system just by getting images of different students in class and passing them through a test and train to capture and learn the faces of each student.

OpenCV –

A machine learning and computer vision software library is available for free under the name OpenCV. Open-Source Computer Vision Library is how OpenCV is formally referred to. It was developed to speed up the incorporation of machine perception into consumer goods and to offer a shared infrastructure for computer vision applications

In the case of the minimal marketable product we used OpenCV library but incorporated it with excel to be able to print out an excel file that shows us whether a student is in or not and whether in that specific class or lecture there is someone attending the class and is not supposed to be or in other terms could be a new student but the system has not registered it yet because his/her image has not been passed through the system.

We have submitted our code through GitHub, please look into it.

Thank you,

Amin Yousefian

Triza Killu

Ritvij Sharma

Nasar Ul Islam