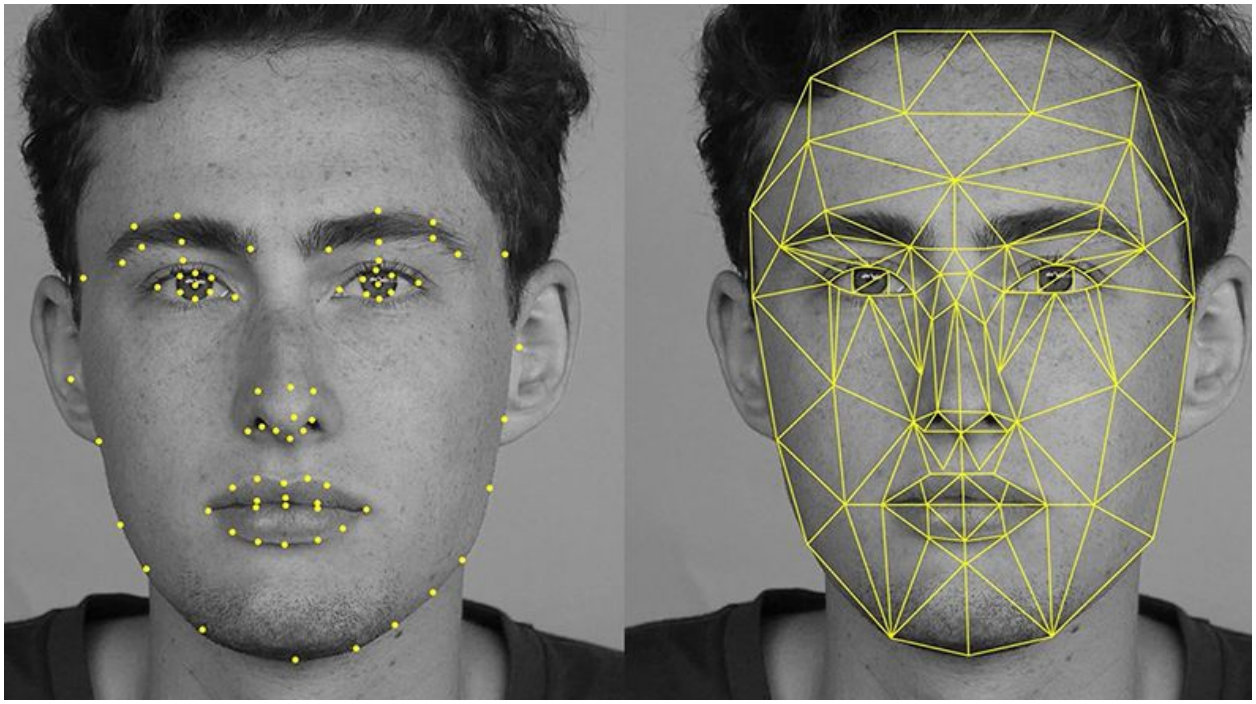
[06/04/2020], [ain shams university]

face detection

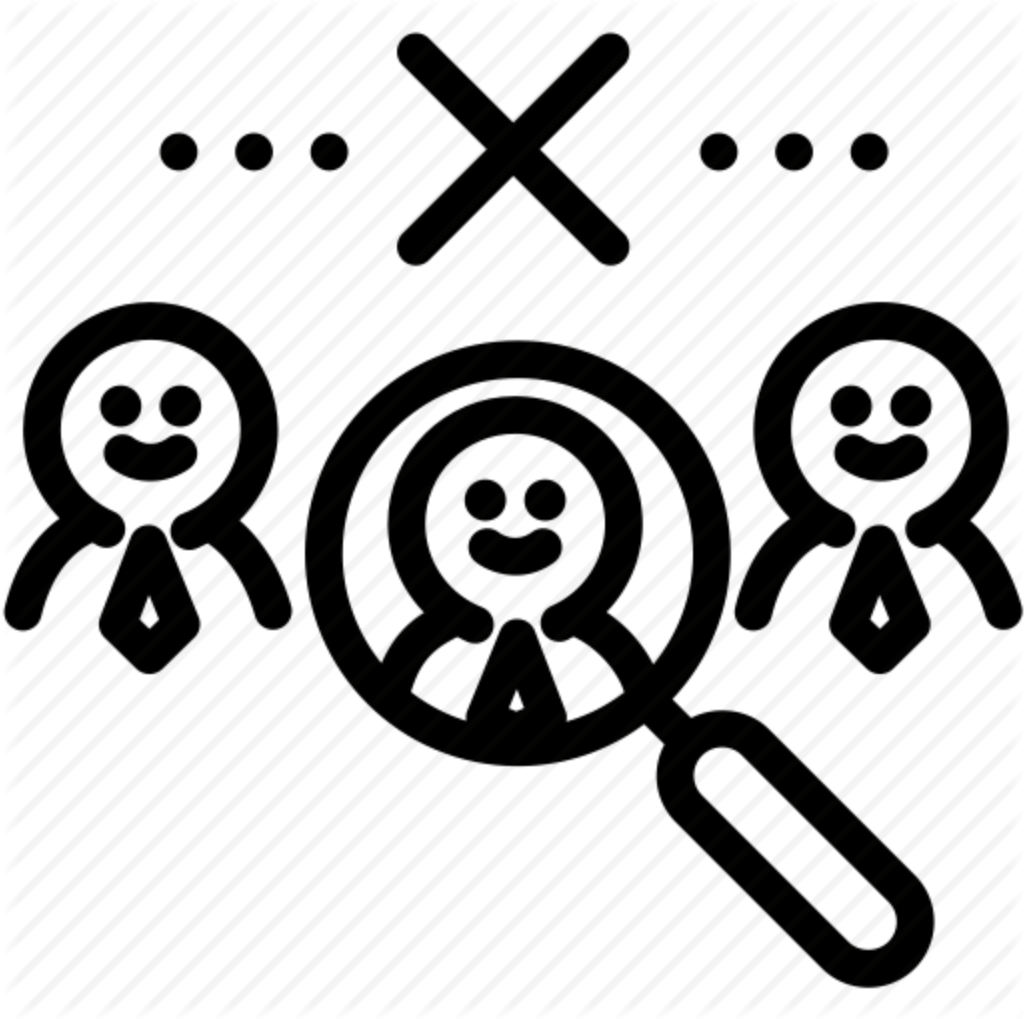
Introdaction

In this project, we will assist the observer in the Examination Committee in knowing the examiner through a program that allows him to know the examiner through the mobile phone camera with ease without wasting time



Problem drfination

A problem facing some students .... who can forget their personal identification cards or college cards, which causes them embarrassment ... and provides to the college more written work as the program will record the absence and verify the face of the examiner and send it to the college database.



Objectives

. **Check the face of the examiner**

. **Take the attendance as an exam**

· Better performance in exam committees

· Don't waste time

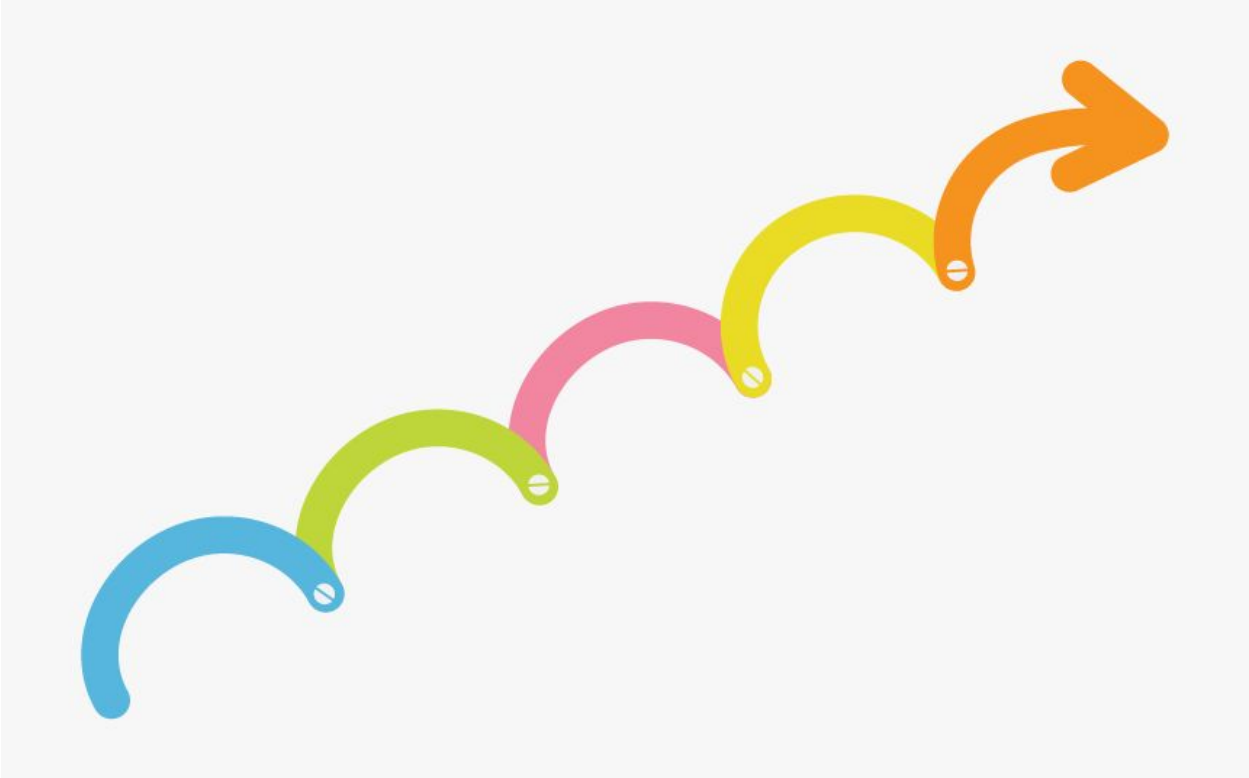
· Not to confuse the examiners

Scope

The final result of the project will be a program that can identify faces and know enough information about examiners.

Timeframe

	Task	End Dates
Phase One	Project proposal	06/04/2020
Phase Two	Final project submission	05/05/2020
Phase Three	Short presentation	16/5/2020



Monitoring and Evaluation

1-Project code on a GitHub repo.

2-Demo video for application on YouTube or description document with application screenshots

Technological Tools

1-python &opencv

OpenCV is a library of programming functions mainly aimed at real-time computer vision

2-PyQT

PyQt is a Graphical User Interface widget toolkit. It is one of the most powerful and popular Python interfaces

3-MySQL

MySQL is an open-source relational database management system.

4-deep learning
deep learning to recognition the faces

MySQL®

OpenCV

Qt