

Image Processing and Computer Vision

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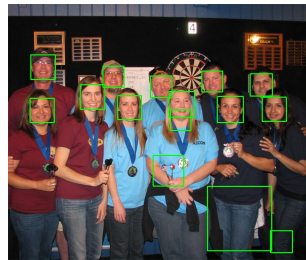
Abstract—This report outlines the tasks completed for Image Processing and Computer Vision assignment one.

I. TASK ONE

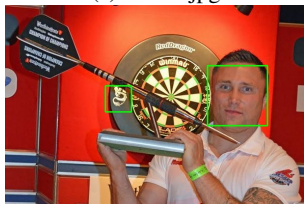
Subtask a



(a) darts4.jpg



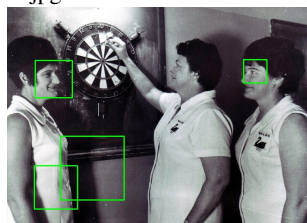
(b) darts5.jpg



(c) darts13.jpg



(d) darts14.jpg



(e) darts15.jpg

Fig. 1: Five images with the applied face detection algorithm.

A. Subtask b

- 1) : TPR is difficult to assess because...
- 2) : It is always possible to get a 100 per cent detection rate on any classification task as we can select all possible areas of an image, regardless if they contain a target or not. The key to a good classifier is to get a high true positive rate, whilst keeping the false positives minimal.
- 3) : Calculate the F1 score here.