

EigenFace Face Recognition

I have used viola jones for detecting the faces in class image. Then I have had used every face_cropped image in recognition.

The default value of attendance for each student is absent, accordingly, by using viola jones I have changed the attendance value to present for every detected face image.

I have taken 0 for absent student and 1 for whosoever is present.

Later, I have changed the labelling of each face image to its respective class_ID's, using the inbuilt function 'insertObjectAnnotation'.

Result:



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Command Window

attendance =

49	0
482	1
587	1
788	0
1297	1
1512	0
1844	0
2710	0
3213	0
4826	1
5494	1
6077	0
8271	1
8798	1
9025	0
9077	0
9078	0
9120	0
9885	1
0	1