## **EigenFace Face Recognition**

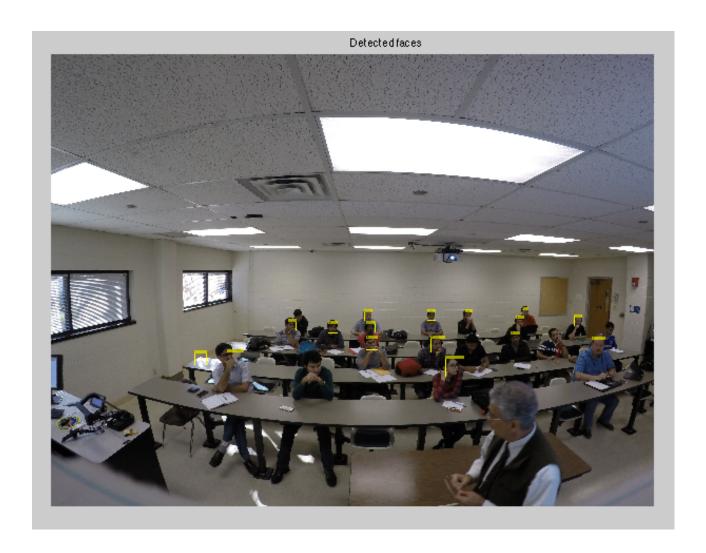
I have used viola jones for detecting the faces in class image. Then I have had used every face\_cropped image in recognition.

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 =		
	40		
	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	
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