

Biometric Identification

Madhusudan Govindraju

Implementation in Real Time

The project has been implemented in real time. The system captures training data using the cam. The location to store the training data must be updated in the matlab functions before running the program. The system also need a web cam to be tested. When the function *testfromCam* is called the web cam opens and the face recognised is annotated and the name of the person will be available in the label of the annotated box. A sample of the data used to test the system is available in the zip file along with the code. The code has two formats one is to use the HOG and the other is to use the LBP. These two sets of codes are available in the zip file in two seperate folders. The system which uses LBP performs better than the one using HOG system.

PS Note: The location to store the training data must be updated in the matlab functions before running the program. This information is available in the Readme file

1. The training data samples must be collected with live with the web cam attached to the computer. using the function *getdatafromCam*
2. To train the system call the *One* function to train the system
3. The system can be tested using the function *testfromCam*