Project attendance readme

1. First create a folder to contain all the files for the required project.
2. You need to have opencv installed in your system for the project to run.
3. First of all go and copy the cascade folder present in the .opencv folder created after downloading the opencv library and paste it in your project folder under the title of directory cascades.
4. Then make a folder in your project folder naming mytraindata . this folder will create all the train images of your project training material.
5. Now open your jupyter notebook or any other python ide you are using an run the my\_pics.ipynb python file. After running this filw you would see that a lot of images have been create and save under your project folder.drag all the images and put them under mytraindata folder under a folder of your name. if you want you can also put more training data pics under this folder within exact folder titles for training.
6. Now moving on to the training part of the face recognizer.
   1. First of all you need the following python libraries installed in your systems.
      1. Numpy
      2. Pandas
      3. PIL
      4. Opencv
      5. Os
      6. pickle
   2. Upload the train\_faces.ipynb model in your python ide and run the file.
   3. After running the file you will notice that two new files have been created in project folder. This will be labelssave.pickle and trainer.yml
      1. Labelssave.pickle is the file that has stored all the labels of the heading of the images as python dictionaries . this will be used later in the model to give output of face recognizer prediction.
      2. Trainner.yml is the yaml type file which stores the trained model . it contains the model parameters which have be initialized after training.
   4. The training of the model is over.
7. Load the model.ipynb file in your IDE and run it . You will the output come up in form of text on your face and also as labels in output in your IDE.