Folder Structure

- Zip folder contains 3 folders and 3 files.
- Folders "gallery_set" and "probe_set" contains input face images.
- "Output Images" folder contains plots generated by matlab code.
- "PCA.m" file is matlab code for performing PCA.
- Report is present in "Report.pdf"

Instructions to Run Matlab Code (Tested on Matlab 2011a)

- PCA
    1. Open "PCA.m" file is Matlab and run the code.
    2. There will be a popup to change directory.
    3. Click on "change directory" button.
    4. Matlab will generate different plots as mentioned in the assignment.
    5. Different Distance measures can be tested by changing value of SCORE_GENERATION variable present on line 5.
        - SCORE_GENERATION = 1 corresponds to Euclidean Distance
        - SCORE_GENERATION = 2 corresponds to Mahalanobis Distance
        - SCORE_GENERATION = 3 corresponds to Manhattan Distance
        - SCORE_GENERATION = 4 corresponds to Lm Distance with m=3