**CHAPTER 5**

**CONCLUSION AND RECOMMENDATION**

CONCLUSION

The reliability and efficiency in a face recognition algorithm is of the most importance. That is why it is very crucial for such an algorithm to adapt to certain conditions to perform better. One recognizable aspect of the Eigenface algorithm is that it recognizes by purely mathematical means that only requires low-level processing and its ability to compress large datasets into a small number of eigenfaces and weights. To add

Sets of procedures were implemented and improved so that the results would yield more reliable outputs.  
  
RECOMMENDATION  
 To improve the results of the Eigenface algorithm, a normalization procedure could be added to determine the facial metrics and normalize the photos such that facial features are held in constant positions. Localizing of the features would keep head positions fairly consistent and yield better eigenfaces.

Creating a certain method to extract facial features to further expand the techniques of recognition, improving the accuracy even further.