**CHAPTER V**

**CONCLUSION**

By executing the python code snippet presented in appendix A the training phase of the system could be instantiated. This code snippet contains the procedures for gathering required information from the user, taking face samples of the subject and putting together in a trainer.yml file that will contain the database information for further proceedings.

The Unique ID of the persons play a major role in the system as it is only fact responsible for retrieving the information of a subject in the database. By retrieving the information the background verification of the subject is done and an sms alert can be sent if that is required to do so. In case the subject is unavailable in the local sector then the request will be pushed to the server in order to find the information from a local sector where the subject has been registered.

The system ensures that the image processing and face recognition will be done in a quite less time such that the system can be used as a real time surveillance system. Also the raspberry pi processor runs with a clock speed over 1.4 GHz which will provide the necessary timing for the system to operate. The File Transfer Protocol will transfer files in a (150Mbps) speedy manner so that there is no propagation delay through the internet when it is required to transmit images and information as files.

The system supports to reduce the crime rate by identifying suspicious people and the fact that the system has been installed will make the criminals to act in a vulnerable way i.e. it paves way for the public to be confident and feel secure. It boosts the speed of investigation of crime scenes and provides more accurate and valuable addition of information which will help the investigating officers an edge over the conventional way of investigations.

The speed and accuracy of the system always seems quite commendable.

**5.1 Recommendations**

This system can be improvised by adding the immigration database to keep an eye on the foreign subject that does not come under the divided sectors this could be also used to identify the missing people without so much of difficulties.

Automated teller machines could be linked with the same system to have the face recognition based authorization which will make the ATM facilities to be used with ease and quick.