**CHAPTER 7**

**CONCLUSION**

**AND**

**FUTURE SCOPE**

**7.1 FUTURE SCOPE**

Today, one of the fields that uses facial recognition the most is security. Facial recognition is a very effective tool that can help law enforcers recognize criminals and software companies are leveraging the technology to help users access their technology. This technology can be further developed to be used in other avenues such as ATMs, accessing confidential files, or other sensitive materials. This can make other security measures such as passwords and keys obsolete.

Another way that innovators are looking to implement facial recognition is within subways and other transportation outlets. They are looking to leverage this technology to use faces as credit cards to pay for your transportation fee. Instead of having to go to a booth to buy a ticket for a fare, the face recognition would take your face, run it through a system, and charge the account that you’ve previously created. This could potentially streamline the process and optimize the flow of traffic drastically. The future is here.

There is a huge scope of this technology in India and it can help improve the country in various aspects. The technology and its applications can be applied across different segments in the country.

* Preventing the frauds at ATMs in India. A database of all customers with ATM cards in India can be created and facial recognition systems can be installed. So, whenever user will enter in ATM his photograph will be taken to permit the access after it is being matched with stored photo from the database.
* Reporting duplicate voters in India.
* Passport and visa verification can also be done using this technology.
* Driving license verification can be done using the same approach.
* In defence ministry, airports, and all other important places the technology can be used to ensure better surveillance and security.
* It can also be used during examinations such as Civil Services Exam, SSC, IIT, MBBS, and others to identify the candidates.
* This system can be deployed for verification and attendance tracking at various government offices and corporates.
* For access control verification and identification of authentic users it can also be installed in bank lockers and vaults.
* For identification of criminals the system can be used by police force

**7.2 CONCLUSION**

We have successfully implemented the " Smart Attendance System using Face Recognition". With the help of various links and tools, we have been able to provide a system that recognizes the faces and marks the attendance on an Excel sheet. We have been successful in our attempt to take care of the needs of both the staff/students as well as the administrator. Finally we hope that this will go a long way in upgrading the traditional method of marking attendance and making it's work of registering students, recognizing the faces, marking the attendence keeping track of Attendence via Excel sheet, displaying pie chart etc much more efficiently.