

5.1 Conclusion

The Thesis is concerned with Home Automation with aim of monitoring, logging and controlling home appliances. The primary focus is to make safe and secure the home we live in and have information on status of electronic devices.

The remote control enables us with disabilities to operate devices at a distance , but it suffers from security and privacy issues, If you can control your devices via the Internet, chances are someone else can, too. Also remote control costs more than the automatic does due to the internet connection needed

The automatic control is more secure , less cost , that is why we need a hybrid system to get the advantages of both ways .

As prime target of Thesis, some sensors are used for monitoring and then the information gathered is used to control devices. Use of several software's like Arduino IDE and Android Studio were integral part in completing the desired monitoring and controlling tasks.

The whole system was tested and trained and performed in a proper way

5.2 Recommendation

The thesis topic has lots of tasks which are challenging and exciting. In future, more improvements can be done in monitoring and controlling part.

1. Including more security features like face detection or finger print.
2. Connecting devices and sensors wirelessly using Wifi modules.

3. More sensors and devices can be connected and monitored on.
4. Camera module can be added to indicate us with what is going outside house.