

CHAPTER FIVE

CONCLUSION AND RECOMMENDATIONS

5.1 Overview

This chapter concludes the project and how it can be improved for further development.

5.2 Conclusion

In this project an intelligent traffic light system model is built based on an ATMEGA16 microcontroller. The design is able to control the sequence of traffic light according to density of vehicles and when emergency vehicles such as Hospital ambulance, Fire brigade vehicles has to pass through such traffic it is not desirable to wait for all the rest of vehicles to get cleared from the way in order to provide an effective way to control traffic light system. The simulation result shows the system ability to control the traffic light effectively.

5.2 Recommendations

Several recommendations can be done for the system to be more accurate:-

1. Utilization digital image processing (DIP) to calculate the densities of vehicles instead of sensors.
2. The user can get traffic information on mobile phone.