The above figure shows the rain sensor to detect any raining if there is rain the servo will work in the same time to close the window.

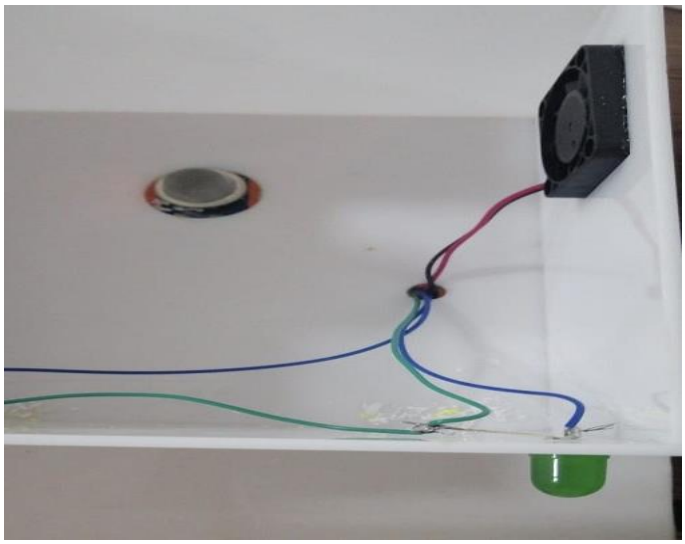

Figure 6: Shows Final function test 3

Above figure shows the kitchen there is gas sensor to detect the leakage and if there is any gas leakage will work in same moment buzzer and the fan goes out the gas.

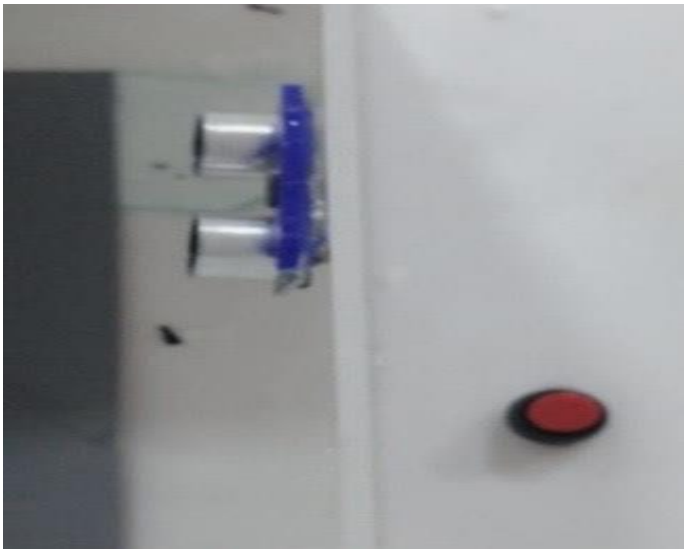

Figure 7: Shows Final function test 4

The above shows ultrasonic sensor will be used to detect movement around the wall. When the house owner going out the switch most be turn on and the buzzer will be switched on if the detected movement becomes 5 cm or less close to the outside wall.

9.Conclusion

In conclusion, this modern world with development of all type of system, the project I will be working on is not a new invention. When the technology has been a very advance ever in all sectors. However, what I will be building and putting together is a fit for purpose system which can help to increase the safety and enhance security for all homes which is something every family's looking for. However, in the other hand you cannot make this system and introduce a very high cost to protect. Therefore, it is very critical to look into both aspects the objective of the system and as well the cost of building it to be able to justify having this system utilized. The field of smart homes is a growing informatics domain. Several challenges including not only technical but also ethical ones need to be addressed (Zhou, Li, Chan, Cao, Kuang, Liu, & Wang, 2016).

This system is sample, scalable and flexible that can easily be implemented and self-guided for user by using symbolic buttons in the mobile phone app. The results from our experiments support our hypothesis that a model can be learned from observed smart home data and used to report anomalies, as they occur, in a smart home. Whereas it can be easily scaled by adding more slave module to control other appliances in homes.

10.Further work:

- The system could be connected to control room or mobile phone to have all the data of the emergency station and has a direct connection with them.
- Developing the system method to be able to control everything inside homes.
- Develop the system by interconnection the camera with microcontroller to take images of the accident spot.
- Add a face recognition algorithm focusing on the eyes.

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