

## **ABSTRACT**

This project will help to minimize loss of the properties in the society due to thieves entering our premises without our knowledge, so it will detect when thieves enter in our premises and block infrared which is produced by transmitter of the circuit from striking the receiver of the circuit and produce alarm which will alert owner of the premises by ringing for a certain amount of time, the circuit will be placed at the entrance of the premises, the air molecules sensor must be positioned in a sight that its sensitivity of sensor is in good position.

Since this project is aimed to make a circuit which will detect the vibrations air molecules, in order to accomplish it I have gone through various stages such as Literature Review whereby I studied different books to get information and different ideas which has helped me to accomplish this project, after literature review the data analysis was done and data collection which helped to get appropriate value of the component, the project prototype has been built and tested.

The project prototype which has been built accomplishes all the objectives required, and working properly.