

Project Title: **Indoor Home Security with Notification System**

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1. Background

2. Project Description

This project is a home-based security system that monitors the door to your house using an Ultrasonic sensor. For further protection, the system sends notifications to the owner in the case of a break-in. The system can be turned on and off using radio-frequency identification (RFID) and a password-protected button through the mobile device.

3. Project Specification

4. Implementation Details

- a. Circuit Description
 - I. Schematic/Logic Diagram
- b. Flow Chart
- c. Program/Code/Algorithm Description
- d. Fabrication Description (Optional)
 - I. Fabrication Plans (Layout Diagrams)
- e. Work Assignment of Members

5. Test & Results

6. Conclusion & Recommendations

7. Reference

- a. url/book/article/....

8. Appendix

- a. Bill of Materials