

SCHOOL OF ENGINEERING
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ULTRASONIC ALARM BASED ON RANGE FINDING

FINAL PROJECT REPORT

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ABSTRACT

The design and implementation an Ultrasonic Home Alarm System is often a sufficient deterrent to discourage a burglar even before tries to force an entry. With this home alarm system, it will ensure that our property is secure increases peace on mind. It is a project that contains two separate circuits, which is the ultrasonic part is to transmit and receive signals, while the main circuit part is the PIC16F84A is to perform the operation of the entire circuit. In this final report will give a detail analysis of a practical implementation of an Ultrasonic Home Alarm System. Upon the completion of this project, ultrasonic sensors can be state that it is an excellent choice for larger areas, or unusually shaped areas.