



KU COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

A PROJECT ABSTRACT ON

DOOR SECURITY ALARM SYSTEM USING PCB

Under the guidance of
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SIGNATURE
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ABSTRACT

The need for home security alarm systems nowadays is a serious demand. As the number of crimes are increasing every day, there has to be something that will keep us safe. We are all aware of the high end security systems present in the market but they are not easily available to everyone. We therefore intend to provide a solution by constructing a cost efficient electronic system that has the capability of sensing the motion of the intruders and setting off the alarm. When an unauthorised person tries to open the door, the alarm is triggered and the buzzer act as speaker will beep. This action thus alert the owner of the residence or security personal of the presence of the intruder. This project is cost efficient used by every house hold.

This project involves the use of PCB Board, IR LED, IR Receiver, Buzzer. The IR LED and receiver detects any motion in its permissible range and triggers the alarm. With this system we can easily set up a security alarm in our home for unwanted intruders.