



FACULTY OF ELECTRICAL ENGINEERING  
UNIVERSITI TEKNOLOGI MARA TERENGGANU

FINAL REPORT OF DIPLOMA PROJECT

PROJECT TITLE:

ANTI THEFT SYSTEM


MARCH 2013

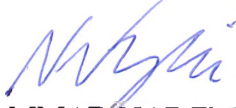
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“I declare that this report entitled “*Anti-Theft System*” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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## ACKNOWLEDGEMENT

Alhamdulillah, thanks to Allah S.W.T because with His blessing, we are able to complete our final year project. Although we had been through many obstacle and tension as well as happiness while doing this project, Allah always by our side and give us strength to finish our project.

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Last but not least, we would like to dedicate our thanks to our beloved parent, our family, our friends as well as the other lecturers that have involved to the success of this project. Our parent had given us the moral support and their money to help us finish this project, while our friends and our lecturers always help us when we encounter the problem with our project.

## **ABSTRACT**

Firstly, our main purpose in developing this project is to prevent the burglary crime from happening either in our house or to other people. The problem of burglary nowadays keep increasing and it is really worried the government. Therefore, many initiatives have been taken to upgrade the security of the house. So this 'Anti-Theft System' was created as an initiative to make the house safer. This system have sensor that will put at the door and the alarm will sound when the burglar break through into the house. The GSM modem will immediately notify the owner with warning message saying that someone had been broke into the house as soon as possible after the alarm sound. Infrared (IR) sensor will detect any movement that occurs at the user yard. Any movement will trigger the circuit and alarm will active. By this, the owner can quickly take action either call the police or the neighbours.

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