

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA TERENGGANU

FINAL REPORT OF DIPLOMA PROJECT


RAT TRAP ELECTRONIC DEVICE (RTED)


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MUHAMMAD SYAKIR AIMAN BIN MOHAMMAD
TENGKU HAZRINA BINTI RAJA IBRAHIM
NUR FAZIRAH BINTI TUKIMAN

SUPERVISOR'S NAME:
SUZIANA BINTI OMAR

“I declare that this report entitled “*Rat Trap Electronic Device*” 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.”

Signature : 
Name : MUHAMMAD SYAKIR AIMAN BIN MOHAMMAD
Date : 5 April 2015

Signature : 
Name : TENGKU HAZRINA BINTI RAJA IBRAHIM
Date : 5 April 2015

Signature : 
Name : NUR FAZIRAH BINTI TUKIMAN
Date : 5 April 2015

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ABSTRACT

This project was create to catching pest especially rats. It is operate with PIR sensor act as motion detector which sense the present of pests and motor to open and close the trap door. It has three types of IC which are NE 555 functionally as a timer, L293D as the motor controller and CD4013 as motor switch. 12V battery was used as a power supply for both sensor and motor circuit. The transmitter and receiver produce output 5V and also for the motor circuit. The result shows that the motor will rotate clockwise or counter clockwise either to open or close the trap door when there is interruption at PIR sensor.

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