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FINAL REPORT OF DIPLOMA PROJECT

FACULTY OF ELECTRICAL ENGINEERING

ULTRASONIC PEST REPELLER

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ACKNOWLEDGEMENT

The team was formed and the project was defined. The tasks were broken down according to our strengths. The report has been prepared as the outlines, as well as our strategy to have a well-done project.

We would like to take this opportunity to thank a number of people who contributed significantly in assisting the development of this study.

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Thank you.
ABSTRACT:

This Pest Repeller is designed using the sensor techniques to repel annoying rats and mice in the garden. However, it will not detect if the frequency of the pests is out from the range. So, to increase the effectiveness, the frequency of the ultrasonic oscillator has to be varied automatically using a different IC with different frequency ranging. By combining two proven pest control systems; electromagnetic interference and ultrasonic sound, it provides the most complete and powerful protection available. It only produced a noise to chase all the unwanted pests and can be place in the garden. It is clean (no blood or guts) and re-usable. It is easy to use and does not affect human being also cheaper if compare to the other traps for this all unwanted pests.
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SCOPE OF WORK

To ensure this project work in progress, contacts with advisor are very important in order to have a well done project. Table below elaborate about Gantt chart or work progress that has been done. For KEU 280, we have project selection, browsing information, designing a circuit, learn about circuit, and research the component, drawing the circuit using TINA software, typing and submitting project report.

For KEU 380, we continue our project with hardware constructions as shown in Gantt chart. It consists of PCB layout, lettering, etching, drilling and component mounting, soldering and lastly circuit testing. After the circuit testing, we write for our final project report and finally we have a presentation on our project.