FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA

PULAU PINANG

FINAL REPORT:

SAFE IRON POWER OUTLET

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This report is submitted to the Faculty of Electrical Engineering,

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This report is approved by :

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ABSTRACT

The Safe Iron Power Outlet is a project which will be carried out in order to solve the difficulties in doing ironing. The idea was obtained based on the observation of many people. For example, the housewife always busy and sometimes forgot to turn of the power supply and can lead burning their clothes or can be dangerous if kids are playing around the iron. The problem statement have been identified where the problem that users usually is their clothes are easily burned because of the temperature of the iron and sometimes users left the iron unattended. The Safe Iron Power Outlet is designed to see how the system can be used to solve these problems. So, with this system, we can cut off the current automatically when there are no movement or sense at touch sensor. Otherwise the system can detect the condition of the iron whether in 90^{o} or 0^{o}. PIC16F877A will detect the condition of the touch sensor ad the angle sensor and the relay will determined the system whether to cut off the current or let the current flow. This project is hoped to renew and to update on the previous to be very helpful for the people.

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