

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITY TEKNOLOGI MARA
PULAU PINANG

FINAL REPORT:
SMART CURTAIN

NUR SYAHZANI ATHIRAH BINTI SAIMEN

NUR MIZA DAMIA BINTI HALID

SUPERVISOR:
MADAM AZIZAH BINTI AHMAD

**This report is submitted to the Faculty of Electrical Engineering,
Universiti Teknologi MARA (UiTM).**

In partial fulfillment of the requirement for the award of Diploma in Electrical Engineering.

This report is approved by:

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MADAM AZIZAH BINTI AHMAD

(SUPERVISOR)

Date: 08/10/2016

ABSTRACT

In this final year project report, students will presenting about their project. It is one of the requirements before students graduating for University in Diploma in Electrical Engineering. As for our project, smart curtain is designed to open or close the curtain whether in automatic or manual way. It is to ensure the comfort way of users because in manual, users can drag the curtain open or close until the point that they want. While in automatic, users can just press a switch and the curtain will move whether fully open or fully close by itself.

Proteus 7 was used to design and stimulate the circuit by drawing the schematic diagram in ISIS and the PCB layout in ARES. It is important to do the simulation first before fabricating the design prototype to prevent any mistake that will affect our expected output. After that, the circuit was tested on breadboard to get the expected output.

Since this project use IC555 timer, high caution needed because the components is easily burn when the circuit is test or even when soldering the component. By applying cautiousness in doing the project, cost of the project can be reduced as the component is functioning in good condition.

ACKNOWLEDGEMENT

In the name of Allah, the most compassionate, the most merciful. I thank Allah for giving a good health and valuable time for us to do our final year project and prepare the final report of final year project 2 successfully.

Firstly, we would like to offer our sincere gratitude to our supervisor, Madam Azizah Binti Ahmad for teaching us and guiding us to do our final year project, smart curtain. Our supervisor also guiding us before do presentation and final report for our final year project. I would like to say thank you to our chief panel, Miss Faridah Binti Abdul Razak and another panel, Mister Haji Abdul Rahim Ahmad.

We would like to thank our university, UiTM, for providing facilities for making our final year project and lab assistant for helping us to do our PCB board, drilling and solder our component on the PCB board. After that, not forgotten to our family member who had given their moral supports and advice throughout our final year project studies.

Last but not least, our special thanks to our friends who always be by our side, and who involved to give us support and suggestion to make sure that this final year project report will be done until the end.

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