



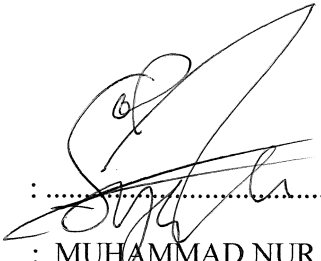
**FACULTY OF ELECTRICAL ENGINEERING  
UNIVERSITI TEKNOLOGI MARA TERENGGANU**


**AUTOMATIC CURTAIN USING LDR**


MUHAMMAD NUR SYAZLIN BIN ZAROPI	2012850806
NOR FAZLIN BINTI ABDUL AZIZ	2012231722
NOR FATIN IZZATI BINTI RAJULI	2012430976

**MR RAJA MOHD NOOR HAFIZI BIN RAJA DAUD**

“We declare that this report entitled “**AUTOMATIC CURTAIN WITH LDR**” is the result of my own group research except as cited in the references. The report has not been accepted previously and concurrently submitted for any other diploma or award at UITM or other institutions.

  
Signature : .....  
Name : MUHAMMAD NUR SYAZLIN BIN MOHD ZAROPI  
Student I.D : 2012850806  
Date :

  
Signature : .....  
Name : NOR FAZLIN BINTI ABDUL AZIZ  
Student I.D : 2012231722  
Date :

  
Signature : .....  
Name : NOR FATIN IZZATI BINTI RAJULI  
Student I.D : 2012430976  
Date :

## ACKNOWLEDGMENT

All praises for Allah S.W.T the Lord Almighty and Salam to Nabi Muhammad S.A.W.

First of all we would like to wish our grateful to Allah S.W.T for blessing us and giving opportunity to embark our diploma and for complete this project. We are very thankful for those following for their contribution in assisting us in completing our project with their ideas and guardians. Our special thanks is dedicated to our supervisor Raja Mohd Noor Hafizi bin Raja Daud for helping us. Your support, guidance, inspiration and contribution have led us to this great path to finish our project in this two semester.

Special thanks and appreciation to our parents, family and friends for their cooperation, encouragement and undying support. Also special thanks to all people who involved directly or indirectly during we finished our project well. Finally, thanks to our coordinator Madam Aishah Cik Kar for assisting us and involved herself directly toward this project. Thank you.

## ABSTRACT

Automatic Curtain With LDR is a devices which is used to ease the users' life when they need to open or close the curtain in the morning and night respectively. Automatic curtain is a device that used a Light Dependent Resistor (LDR) and it's sensitivity to detect the light and this LDR will stimulate the circuit to open automatically when it detects light and closed the curtain automatically when there is no light . We also used the logic gate to connect to the rain sensor to detect the rain so the curtain will closed immediately if it is raining outside and this will really ease the user and can save their time with their busy life. Automatic Curtain With LDR also used the power window motor to reversed and foward the curtain's move respectively.

As conclusion ,this system is the best for the working person or a lazy person who does not have time to take care of their house and open their curtain and make their house be in dark . If the house is leave in dark it will make the surround in humid and smelly because the air is trapped in the house. Therefore this system is designed to help this busy and lazy people to open and closed the curtain automatically without they need to do it on their own. This system will make their life really easy.

## TABLE OF CONTENTS

Item	Page
<b>CONFIRMATION BY PANEL OF EXAMINERS</b>	<b>ii</b>
<b>AUTHOR'S DECLARATION</b>	<b>iii</b>
<b>DEDICATION</b>	<b>iv</b>
<b>ACKNOWLEDGEMENT</b>	<b>v</b>
<b>ABSTRACT</b>	<b>vi</b>
<b>ABSTRAK</b>	<b>vii</b>
<b>TABLE OF CONTENTS</b>	<b>viii</b>
<b>LIST OF FIGURES</b>	
<b>LIST OF TABLE</b>	
<b>LIST OF SYMBOLS</b>	
<b>LIST OF APPENDICES</b>	
<b>CHAPTER ONE: INTRODUCTION</b>	
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Objective	2
1.4 Scope	2
<b>CHAPTER TWO: LITERATURE REVIEW</b>	
2.1 Introduction	3
2.2 Component and Description	3
2.2.1 IC 7408	3
2.2.2 IC 7404	5
2.2.3 LM 7805	6
2.2.4 IC NE555	7
2.2.5 Capacitor	9