



SMART STREET LIGHT

ANIS SYAHIRAH BINTI RIDUAN

NURSALMI BINTI SAPARI

FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA


MALAYSIA

SEPTEMBER 2015

## APPROVAL SHEET

This project report attached here to, entitle “Smart Street Light” by Nursalmi binti Sapari (2013661828) and Anis Syahirah binti Riduan (2013868284) in partial fulfilment of the requirements for the Diploma of Electrical Engineering is hereby accepted.

This thesis is approved by:

  
MUHAMMAD MUZAMIL MUSTAM  
*Pensyarah*  
FAKULTI KEJURUTERAAN ELEKTRIK  
UNIVERSITI TEKNOLOGI MARA (UiTM)  
CAWANGAN JOHOR, KAMPUS PASIR GUDANG

Date:

14/1/16

En. Muhammad Muzamil bin Mustam  
Supervisor  
Faculty of Electrical Engineering  
Universiti Teknologi MARA

## ACKNOWLEDGEMENT

Prima face, I am grateful to the God for the good health and wellbeing that were necessary to complete this project and report.

I am also grateful to En Muhammad Muzamil bin Mustam, final year project supervisor. I am extremely thankful and indebted to him for sharing expertise, and sincere and valuable guidance and encouragement extended to me.

I take this opportunity to express gratitude to all of the Department faculty members for their help and support. I also thank my parents for the unceasing encouragement, support and attention. I am also grateful to my partner who supported me through this venture.

I also place on record, my sense of gratitude to one and all, which directly or indirectly, have lent their hand in this venture.

## **ABSTRACT**

Our project title is Smart Street Light. Nowadays, people will find many way to save up the usage of energy to avoid the completely loss of natural sources. People also want to reduce light pollution that happened at night when the street light that light up even when there is no cars that pass by the road or highways.

The Smart Street Light is an improved process from the previous system of street light. The operation of the light will on and off automatically will tell the user about the present of the other user, so they will beware each other and drive save. When the users pass by the road the street light will turn off automatically, so this new operation will reduced the wasteful usage of energy and the light pollution that produced unnecessary heat also will reduced.

## TABLE OF CONTENTS

CHAPTER	TITLE	PAGE
	<b>TITLE</b>	
	<b>APPROVAL SHEET</b>	
	<b>CANDIDATE DECLARATION</b>	
	<b>SUPERVISOR DECLARATION</b>	
	<b>ACKNOWLEDGEMENT</b>	
	<b>ABSTRACT</b>	
	<b>TABLE OF CONTENTS</b>	
	<b>LIST OF FIGURE</b>	
	<b>LIST OF TABLE</b>	
<b>1</b>	<b>INTRODUCTION</b>	
	1.1 Background Study	12
	1.2 Problem Statement	13
	1.3 Objective	15