

# COUNTER PEOPLE SENSOR

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A project report submitted to the Faculty of Electrical Engineering,  
Universiti Teknologi MARA in partial fulfillment of the requirements for the award of  
Diploma of Electrical Engineering.

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SEPTEMBER 2015

## TABLE OF CONTENT

NO.	CONTENT	PAGES
1	<b>Approval Sheet</b>	1
	<b>Declaration of Original Work</b>	ii
	<b>Acknowledgement</b>	iii
	<b>Abstract</b>	iv
2	<b>Chapter 1</b>	
	<b>Introduction</b>	
	• 1.1 Introduction	• 1-2
	• 1.2 Background of Studies	• 2
	• 1.3 Problem Statement	• 3
	• 1.4 Objectives	• 3
	• 1.5 Scope of work	• 3-4
	• 1.6 Project Significant	• 4
3	<b>Chapter 2</b>	
	<b>Literature review</b>	
	<b>List of Sample</b>	5-7
	• 2.1 Photoresistor	• 8-9
	• 2.2 Arduino	• 10-12
	2.3 Light Crystal Display	• 13-15
	• 2.4 Laser	16-22
	• 2.5 Keypad	• 23-25

<b>4</b>	<b>Chapter 3</b>  <b>Methodology</b>  • Methodology	26-28
<b>5</b>	<b>Chapter 4</b>  <b>Result and Discussion</b>  • 4.1 Result And Discussion • 4.2 Result	• 29-30 • 31-35
<b>6</b>	<b>Chapter 5</b>  • Conclusion	36
<b>7</b>	<b>Project Planning</b>	37-38
<b>8</b>	<b>References</b>	39-41
<b>9</b>	<b>Appendix</b>	42-50

## **ACKNOWLEDGEMENT**

In performing our assignment, we had to take the help and guideline of some respected persons, who deserve our greatest gratitude. The completion of this assignment gives us much Pleasure. We would like to show our gratitude Puan Nur Iqtiyani Binti Ilham, Project Supervisor, University Universiti Teknologi Mara for giving us a good guideline for assignment throughout numerous consultations. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us in writing this assignment.

## ABSTRACT

Now days, many cases about robbery and stealing been reported. Some of cases cannot be solved easily. Plus the case has been abandon because lack of protection. Some of the houses do not have any security system. This is why robbery cases abundantly lately. Usually security system is too expensive. That why many houses does not have security system. So we have invented a security system and we call it counter safety sensor. Our safety sensor that we invented is low cost and people not able to buy expensive security system can buy our product.

Counter safety sensor that we have invented is a device can be used to monitor the number of objects entering and exiting through it. It has a wide range of applications including automatic parking slots monitoring, number of people entering and exiting a mall also number of students in a class. Our sensor is low cost because we used LDR and laser as a sensor not PIR as a sensor. We also use another other component such as Arduino Mega, DIY, PCB, other resistor etc.

We have learnt about the components that we have used in our project such as Arduino, LDR, LCD and other basic components. During the project, we have encountered problems in designing circuit, coding and simulation. Finally we managed to create our own Counter People Sensor. Furthermore, every problem for the project we refer to our advisor and friend.