

Wireless Lighting Energy Management System

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ABSTRACT

A system of Wireless Lighting Energy Management System is design to save lighting energy usage. Energy saving have become such an important topic due to price of electricity that constantly risen thus, saving energy is on the list of items for any institution and facilities. The goal is to provide a system that can help to reduce unnecessary lighting energy usage and also monitor and control their energy consumption to one point using wireless system. The Hardware used to design this Wireless Lighting Energy Management System is light dependant resistor (LDR), Passive Infrared Motion Sensor (PIR), Xbee and Sceeduino Stalker while the software used to design this Lighting Energy Management System is the Microsoft Visual Basic software and Arduino software.

TABLE OF CONTENTS

TITLE	PAGE
APPROVAL	ii
DECLARATION	iii
DEDICATION	iv
ACKNOWLEDGEMENT	v
ABSTRACT	vi
TABLE OF CONTENT CONTENTS	vii
LIST OF FIGURES	xi
LIST OF TABLES	xv
LIST OF ABBREVIATIONS	xvi
CHAPTER 1 INTRODUCTION	
1.1 BACKGROUND OF STUDY	1
1.2 PROBLEM STATEMENTS	3
1.3 OBJECTIVES	3
1.4 SCOPE OF STUDY	4
1.5 METHADODOLOGY	4
1.6 ORGANIZATION OF THESIS	5

CHAPTER 2 LITERATURE REVIEW

2.1	ENERGY MANAGMENT SYSTEM (EMS)	7
2.1.1	INTRODUCTION OF EMS	7
2.1.2	HISTORY OF EMS	8
2.1.3	IMPORTANCE OF EMS	9
2.1.4	BENEFIT OF EMS	11
2.1.5	CONCEPT OF EMS	12
2.2	LIGHTING AUTOMATION SYSTEM	15
2.2.1	INTRODUCTION OF AUTOMATION SYSTEM	15
2.2.2	CONCEPT OF AUTOMATION SYSTEM	15
2.3	CONTROLLER UNIT	16
2.3.1	ARDUINO HISTORY	16
2.3.2	SEEDUINO STALKER	16
2.3.3	CONTROLLER DIGITAL PINS	17
2.3.4	CONTROLLER ANALOUGE PINS	18
2.4	SOFTWARE’S	19
2.4.1	ARDUINO INTEGRATED DEVELOPMENT (IDE)	19
2.4.2	ARDUNINO LANGUAGE	19
2.4.3	MICROSOFT VISUAL BASIC 2010	20
2.5	WIRELESS PROTOCOL ZIGBEE	21
2.5.1	INTRODUCTION OF ZIGBEE	21
2.5.2	HISTORY OF ZIGBEE	22
2.5.3	ADVANTAGE OF ZIGBEE	23
2.3.4	SPECIFICATIONS OF ZIGBEE	24
2.3.5	NETWORK TOPOLOGY OF ZIGBEE	25
a.	Mesh Network	26