

SMART AND SECURITY HOME SYSTEM

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ABSTRACT

This project describes the development of Smart and Security Home System. It focuses on the design of hardware and software modules. This system designed to control a system of home appliances. In order to allow this system to function, all devices must be connected to the computer via hardware interface. VB 6.0 software is used as the controller to control the lamps of Smart and Security Controller Box. Therefore, the Personal Computer (PC) will able to interact with hardware for control purposes. This system is accessible to user anywhere, anytime and any day.

TABLE OF CONTENTS

DECLARATION	i
ACKNOWLEDGEMENTS	ii
ABSTRACT	iii
TABLE OF CONTENTS	iv
LIST OF FIGURES	vii
LIST OF TABLES	xi
LIST OF ABBREVIATIONS	x

CHAPTER		PAGE
1	INTRODUCTION	
	1.1 Introduction	1
	1.2 Objective Of The Project	2
	1.3 Scope Of The Project	2
	1.4 Problem Identification	3
	1.5 Structure and Organization Of This Document	3
2	LITERATURE REVIEW	
	2.1 Introduction	5
	2.2 Definition of Smart and Security Home System	5
	2.3 Operation of Smart and Security Home System	6
	2.3.1 Control Method	7
	2.3.2 Items to be controlled	9
	2.3.3 Types of system	10
3	HARDWARE DEVELOPMENT	
	3.1 Introduction	13

CHAPTER 1

INTRODUCTION

1.1 Introduction

The occurrences of house breaking in Malaysia especially during the festive season are getting worse. Most of the successful robbery occurred during the absent of the occupant who lives there. This scenario has limited the house owner to have enjoyable life while they are away from home. As a result, before leaving the residential for a vacation or outstation duties, the home owner will turn on some of the electrical devices to show that the residential is occupied or to show a lively environment of the residential. This not only could pose a treat to existence of the residential but it also adds weight to monthly electricity bill.

However, with the rapid changing of the information communication technology (ICT), many smart home specialists have come forward to provide home automation system and security system for homes and businesses. It is very much useful in today's modern busy society. The existence of this technology has engineered the educated community to transform a living home into a smart home. For decades home automation has been a techno-dream that never really came true. It has either been a hobbyist passion or luxury for the elite group.

The smart and security home system gives people the power to control lights and domestic appliances using computers. With some additional gadgetry and software, computers can be transformed into an assistive technology to our home. Yet its design and features can give people some idea of what tomorrow's smart houses will be capable of. There can be no doubt that computers will eventually find their way into all modern