PERSON AVAILABILITY SYSTEM

This project is presented as fulfillment for the

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ABSTRACT

Person Availability System using system that been design enables us to know the person availability. The system enable us to know situation of a person whether he is busy or available in their offices or rooms. The main objective of this project is to design a system that shows person availability. The second objective is to design a hardware that will display the person availability. The third objective is to design a suitable software command for the system. The scope of this project is to design a hardware and software. The hardware design consist microcontroller, liquid crystal display (LCD), sensor and switches. Software design is to integrate the hardware design work properly. The microcontroller that been used is PIC16F873A. The microprocessor is the main controller for the system. For the display a Liquid Crystal Display (LCD) from Hitachi is used. The sensor that been used is ultrasonic motion sensor. Switches are used for the menu. The system will function if a movement detected by the sensor. Microcontroller will receive the data. LCD will display the data. The project is successful after the LCD display the availability. Internet implementation is the future development for this system.

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CHAPTER 1

INTRODUCTION

1.1 Introduction.

There are many kind of offices layout design. There are open areas layouts with partition and rooms. Most people love to work in a privacy area but not all people can get that benefit. Most low level employees work in open area. Room areas normally provided for high level workers. High level employees offices are usually very privacy. Lecturers also need a privacy office. Students love to see their lecturers in their office. Students need their lecturers to help them with their subject, opinion about something, help to solve their problem and many more [1]. It is easier for them to discuss the topic with detail and the lecturers can give the best answer to the problem clearly [2]. For those who work in room layout, it is hard for other peoples to know their availability. It is because they are always busy.

Most every people in this world use cell phone nowadays. It is a technology that everybody can get today. Although cell phone user can directly be contact but not all peoples like to be disturbed with phone call during busy. Peoples easily get mad when being disturb. This will decrease the relationship among each others.