FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA

JOHOR

FINAL REPORT

PROGRAMMABLE NOTICE BOARD

NABIL IMRAN BIN KHAIRUDDIN

2012810102

MUHAMMAD KHAIRUL HAMIZAN BIN MISBAH

2012450636

SUPERVISOR:

MUHAMMAD RAJAEI BIN DZULKIFL

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ABSTRACT

PIC microcontrollers (Programmable Interface Controllers), are electronic circuits that can be programmed to carry out a vast range of tasks. They can be programmed to be timers or to control a production line and much more. They are found in most electronic devices such as alarm systems, computer control systems, phones, in fact almost any electronic device. Many types of PIC microcontrollers exist, although the best are probably found in the GENIE range of programmable microcontrollers. These are programmed and simulated by Circuit Wizard software. The Programmable Notice Board project is aimed for the use of pic microcontroller in programming by interface with a keypad and LCD display. So when the user want to display the message ,they have to select and push the button ,the message will appear then on the LCD screen .

CHAPTER 1

INTRODUCTION

1.1 Background of Study

Nowadays, communication technology has developed by leaps and bounds. It has already established its importance in sharing the information right from household matters to worldwide phenomena. Apart from sharing information, it is also used for remote control of machines and electronic appliances. Communication technology not only helps us to exchange information with human beings but also allows us to carry out monitoring and controlling of machines from remote locations. This remote control of appliances is possible with wired or wireless communication interfaces embedded in the machines.

The Programmable Notice Board (PNB) that we want to develop is aimed at the colleges and universities for displaying day-to-day information continuously or at regular intervals during the working hours. It offers flexibility to display flash news or announcements faster than the manually system. The Programmable Notice Board (PNB) system can also be used at other public places like schools, hospitals, railway stations, gardens etc. without affecting the surrounding environment.