VOICE SYNTHESIZER FOR AUTOMATED TELE-CONVERSATION

Thesis presented in partial fulfilment for the award of the

Advance Diploma in Electrical Engineering of

INSTITUT TEKNOLOGI MARA

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DECEMBER 1995

ABSTRACT

This thesis proposes the hardware and software development of a computer based controlled system which can transmit and speak the message automatically when an emergency (i.e. occurs in the building). The system shall incoporate automatic dialing and message transmission. The present systems are not very useful in order to locate the specific place and to get an immediate help. With this system, the specific data (i.e. the place and address) of an event is especially known and with this data, an immediate action can be done. The security system of the building will be more safe and the number of manpower can be reduced.

ACKNOWLEDGEMENT

In the name of Allah swt, The Most Gracious who has given me the strength and ability to complete this project and report. All perfect praises belong to Allah swt, Lord of the universe. May His blessings upon the Prophet Muhammad saw. and members of his family and companions.

I would like to express my deepest gratitude to my project supervisor Pn Wahidah Mansor for her guidance, ideas and patience in advising and assisting my project. My gartitude also goes to all Lecturers for their guidance and willingness in sharing knowledge towards the completeness of this project.

Also thanks to my family for their support especially to my mom and my classmates for their suggestion and contribution to this project.

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CHAPTER 1

1.0 INTRODUCTION

The objective of this project is to develop a computer based controlled system which can transmit and speak the message automatically when an emergency occurs in the building. This system uses voice synthesizer technique. In this project, the stored speech is used. This type of voice synthesizer used the human voice and then play it back. This system also can dial automatically where it can lead to intelligent building system. The block diagram of the system is shown in Figure 1.0. The project is divided into two parts where the first part is hardware and the second part is software. The project is mainly based on software. The program must be intelligent enough to dial automatically and process the information when an emergency occurs in the building but due to the limited time, it is impossible to complete it. The software development allows users to enter their messages about the place, telephone number and to get an immediate help. This message will be stored permanently in hard disk When an emergency occurs, the data from hard disk will be taken and store it temporary in the SRAM. The implementation of the project is as follows :

i). Voice is recorded in the SRAM.

ii). Data from SRAM will be transferred and stored permanently into the hard disk.