VOICE SYNTHESIZER
(HARDWARE AND SOFTWARE)

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May ALLAH bless all of you

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ABSTRACT

This paper discusses the development of a voice synthesizing system which is used as part of a security system controlled by a microcomputer. The voice synthesizing system will enable recorded messages to be transmitted through a telephone line, hence becoming an integral part of a voice alert system.

The development of a voice synthesizer card prior to this work, has produced a system which was unable to achieve the objective of the project which required the card to produce clear, high-quality voice messages which can be used in a system such as the security system discussed above.

Among the topics discussed in this paper are the design concepts and methodology, which were mostly derived from examining the previous work on the project. Improvements made to the original work and the encouraging results that was obtained is also presented.

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CHAPTER 1

1.0 INTRODUCTION.

1.1 General

This work was embarked upon to achieve several objectives. Firstly, it was necessary to study the basic theory and design concepts adopted in the previous work. Secondly, it was necessary to find out the design objectives which were not properly met and to find out how this can be rectified.

This project is a part of an overall system which concerns with the development of a microcomputer controlled security system. The overall system shall incorporate automatic dialling message transmission through a telephone line.
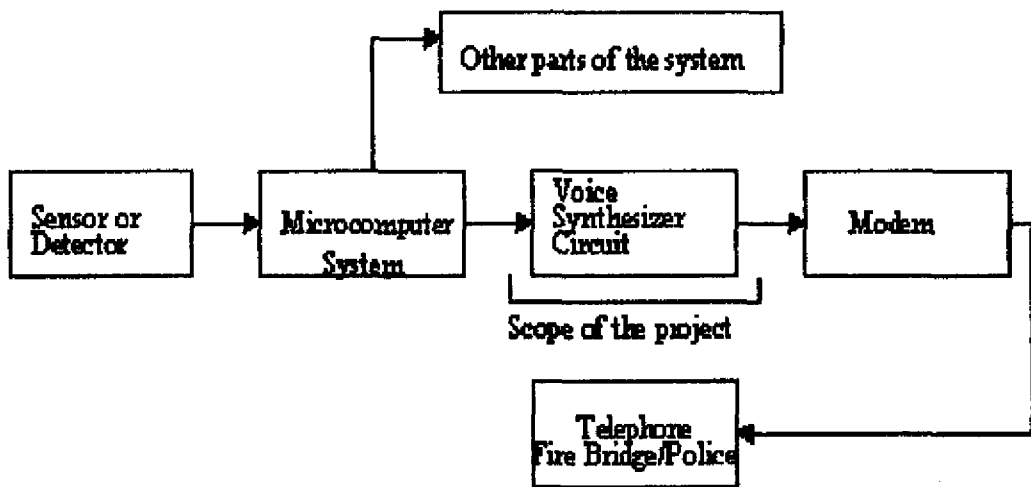

Figure 1: Block diagram of the security system.