DEVELOP STUDENT ATTENDANCE MODULE SOFTWARE
INTERFACE WITH BIOMETRIC READER

This project report is presented in partial fulfilment for the award of the

Bachelor of Electrical Engineering (Hons)

UNIVERSITI TEKNOLOGI MARA

MOHAMMAD NIZAM BIN HAMZAH
Faculty of Electrical Engineering
UNIVERSITI TEKNOLOGI MARA
40450 Shah Alam, Selangor
Malaysia

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Mohammad Nizam bin Hamzah
Faculty of Electrical Engineering
University Technology Mara
Shah Alam (April 06)

ABSTRACT

Generally, this project will develop a recording system of student details and attendances information in a database. A biometric system is essentially a pattern recognition system that makes personal identification by determining the authenticity of a specific physiological of behavioural characteristic possessed by the user. The model will be designed using Visual Basic, Structured Query Language (SQL) and interfacing using biometric reader. This paper presents the development of student attendance module software interface with biometric reader that may overcome the limitations of the existing system being implements. The limitations that occurred in the existing system were that the attendance could be cheat by the students who will sign on behalf of friend which not attend to the class. Lecturers are also having difficulty on the recording of the attendance if they have multiple classes and various types of students. Hopefully by having this system we can reduces the absences of students to class and help lecturers on the recording of the attendance.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Biometric is the efficient and safe compare the previous PIN code method in terms of verification because its using science technology base on human biological and people can't violate the system.

Biometric refers to automatic identification of a person based on his/her physiological or behavioral characteristics. This method of identification is preferred over traditional methods involving passwords and PIN numbers for various reasons:

(i)   the person to be identified is required to be physically present at the point of identification

(ii)   identification based on biometric techniques obviates the need to remember a password or carry a token

1.2 Objective

This project was carried out in order to achieve the following objectives:

1.2.1   To develop system that can generate accurately the attendance reports of the students.

1.2.2   To have optional method of recording the attendances.

1.2.3   Applying the 2 factor of verification in development of Student attendance system.