SMART ATTENDANCE RECORD SYSTEM FOR STUDENTS AND STAFF

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CHAPTER 1

1.0 ABSTRACT

An Access database system provides automatic record of the student's attendance. This paper presents a system to record attendance. This proposed system can be applied to any institution in order to replace the conventional way in taking students and staff attendance. This access database system is reliable and practical as only needs a PC with Microsoft Access to be implemented. The results show that the proposed system is capable in detecting and recording the students and staff attendance accurately. This system is suitable to be applied in school and higher institution or company. Microsoft Access is use for the attendance record Microsoft specified the minimum hardware requirement for Access v2.0: Microsoft Windows version 3.1 with 4 MB of RAM required, 6 MB ram recommended; 8MB of available hard disk.

1.1 OVERVIEW

Microsoft Access is a powerful tool to create and manage databases. It has many built in features to assist in constructing and viewing information. Access is much more involved and is a more genuine database application than other programs such as Microsoft Works.

Access is the system that can manage user to store data in database and construct the information. The system will help student to automatically key in details and identify the user's data. A report will be generated after all data has been recorded. This attendance system will make attendance process more efficient instead of using the conventional way.

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Another system is also developed to record the staff attendance. Basically it uses the same method as the student attendance. For staff Attendance system the attribute used was added in term of time in and time out. The data will then appear in the report form. From the report, the overall data such as the lecturer's name, time in, time out and the data needed will be shown.

1.2 SCOPE OF WORK

Access 2007 is the database software in the Microsoft 2007 Office Suite.[2] It allows to order, manage, search, and report large amounts of information. This paper will show how to build a database from scratch, including how to plan and set up tables and fields, create and use forms to enhance data integrity, design and run meaningful queries, and create useful and attractive reports. Access 2007 is a program that allows us to create and manage databases. [2] A database is a place where can store information related to a specific topic. This paper presents how to establish relationships between the tables in an Access 2007 database. It shows the usage of Primary and Foreign keys, relationship types, and about referential integrity. [3]

KEYWORDS: Foreign keys, relationship types, referential integrity.

1.3 OBJECTIVES

> ➤ To develop a system that can manage user to store data in database
> ➤ To design an attendance record that is more reliable and practical.
> ➤ Analyze the information that has been obtained