

**A DESIGN OF ATTENDANCE REPORT MONITORING SYSTEM
USING RADIO FREQUENCY IDENTIFICATION (RFID)**

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ABSTRACT

Monitoring activities of university students using the old fashioned or manual system is inefficient and brings difficulty to the university management to check and update the report in every semester. Nowadays, technology is very important in our society. By using RFID and Visual Basic technology, the report on student activities is faster, easier and also can improve the management system. The application of RFID tag ID system based was proposed to improve the management system and as well to monitor the student. This new technology is specified to update all the activities that students join in the university. The attendance system will automatically record the entrance to an authorized person for future application.

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CHAPTER 2

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

Currently, attendance monitoring system in UiTM is using the manual system which is poor and unsafe. The attendance report monitoring system is design to assure the record kept safely. The system combined a type of microchip and antenna to detect the identity card and data transmitted for another process. The identity card was detected by the microchip, and the information is transmitted by an antenna.

From the previous observation, there are many types of access control application has been developed to solve the problems encountered in parking lot management system via RFID technology. The software has been handled for the management, controlling, transaction, reporting, and operation task for parking [3]. The other previous example of technology in RFID is to monitoring boarding school student movement, the application that been used by using RFID Matrix Card system which enable for school management to track the student movements in and out of the hostel [1].

RFID technology provides many advantages over traditional access control and system since it allowed the user to enjoy easy access [1].Other than that, the Visual Basic will communicate with RFID Reader to update the information of the user. Low security from the manual system can cause many problems such as stolen, losses and the critical part is time.

This paper introduced the system that can be used to overcome the problem. Due to the high number of university students it has become necessary to solve the entire problem. This study aims to design a monitoring system base on access control