

EFFICIENT ATTENDANCE SYSTEM



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Statement of Submission

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using RFID technology

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Abstract

Technologies have been continuously benefitting the mankind in every way possible. Old systems are being replaced by new techniques in terms of technology. The never ending research is underway to make the system compact and durable. Similarly, we have focused on an attendance system that can be used at universities as well as companies to maintain daily basis records of attendance.

The main purpose of the system is to provide an easy and comfortable approach to the user, so that handmade task can be achieved electronically. There are so many ways to implement such idea into real means, and we have used dual technology approach to maintain attendance by the user.

We have generated EAS (Efficient Attendance System) which uses the Radio Frequency Identification technology in maintaining student's attendance. EAS not only can mark attendance via radio frequency identification tags, and also through the keypad. The student attendance can also be sent to the serial interface either online or offline mode to the host computer.

This efficient system makes it easy for the user to handle electronic attendance in an efficient way, so that the company/university can integrate the system with their database. This will maximize management of records to assess according to the academic performance.

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Chapter 1

Introduction

Survey has shown that there is a significant correlation between student's attendances and their academic performances. There was also a claim stated that the students who have poor attendance records will generally link to poor academic careers.

Attendance is a significantly better predictor of grade than any other factors. Attendance records have primarily become the proxy to determine the success of the students in most of the higher academic institutions. In most of the higher academic institutions, the recording of the student's attendances are mainly done by pen and papers. The attendance sheets will be distributed in the classes for the students to sign and this practice of course, will consume a lot of time. With the manual system, the process will become more difficult for the management to regularly update the record and manually calculate the percentage of classes attended. All of these limitations regarding the manual system indicate the needs to improve the process of attendance recording and reporting.