UNIVERSITI TEKNOLOGI MARA

RFID For STUDENT EXAMINATION ATTENDANCE (R-SEAT)

DATABASE MANAGEMENT of RFID For STUDENT EXAMINATION ATTENDANCE (R-SEAT)

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ABSTRACT

Nowadays, it is typical for students to fill in the examination's attendance slip. The invigilators need go to each student in order to check the student who attends the exam is the same person with name on student card. The limited number of invigilator assigned for managing the large number of student in the examination hall, will increase the invigilator's workload. Therefore RFID for student examination attendance(R-SEAT) is being developed to ease the process of student examination registration. This project is being developed by using the RFID component and web page technology which use the VB.net and ASP.Net as tools and SQL server as the application database. The main use of web page in this system is to produce the report and print the student examination's attendance. The webpage will display the number of students who already register for the examination on that day. Only, the student who has touched their RFID tags on the RFID reader is considered attends if their data found in the database. The webpage will help the invigilator to easily print the attendance by scope the detail of the exam into Venue, Session, Group and Course. These days the students at college or university need to fill in the student examination registration slip before answering the examination question paper. While the invigilators need to pass one student in examination hall and make the student id checking process to ensure that only the exact students are sitting at the right place for answering the right examination question paper. With limited number of invigilator assigned for conducting and managing large number of student sitting for the examination session make the invigilator's workload increasing and consuming a lot of their time. Therefore RFID for student examination attendance(R-SEAT) is developing to automate the process of student examination registration. This project is developing by using the RFID component and web page technology which is using the VB.net tool and SQL server as the application database. SQL database server is using for storing all data regarding the examination. It will count and store the student examination attendance in the database if the student data is exists in the current examination's session database when the student touch their RFID tags on the RFID reader. This project will help to reduce the invigilator workload during examination and help them on more focusing for conducting and managing the examination.

TABLE OF CONTENT

CHAPTER 1
INTRODUCTION

1.1. Background of the project

These days, by using the traditional way of tracking and calculate the student examination attendance needs the student to fill in the student examination attendance slip during the final examination. Then the invigilator needs to walk around the examination hall to ensure that only the exact student is seat at the exact examination hall. This situation will consume a lot of invigilator's time and increase the workload of the invigilator. For example in large number of student attends during examination, but limited number of invigilator for managing and conducting the examination cause the workload of the invigilator increasing and consuming a lot of their time.

In order to replace the traditional way of taking and calculate the student examination attendance, then the RFID for Student Examination Attendance is develop. This system will help to automate the student's examination attendance registration process and generate the student's examination attendance list without need the student to fill in the student examination slip. This project will be able to reduce the workload of the invigilator to calculate the student examination attendance according the student course and group. In addition the invigilator will enable to view and print the student examination attendance according the session which they have been assigned.