APPROVAL

THE DEVELOPMENT OF STUDENT ATTENDANCE MANAGEMENT SYSTEM USING BAR CODE SCANNERS AND STUDENT ABSENT NOTIFICATION VIA SMS

by

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ABSTRACT

Manually, to take the student attendance is done using pen and papers. Therefore, the Student Attendance Management System (SAMS) is required to assist the faculty and the lecturers for this time-consuming process in managed student attendance. This paper is proposing a web-based system that is capable to track the students' attendance using interactive input barcode scanner, registering the courses, generating the reports for monthly attendance and total attendance percentage, viewing the administrators, lecturer and student profiles, notification to the absent students via Short Message Service (SMS) and provide user the management functionality such as adding new courses, new users, status activation of users and many other features. This project describes the interfaces and implementation of the system. This system is using open source so that it requires less cost in development. The methodology used is based on System Life Cycle Development model that are organized in four phases. The four phases are Project planning and Feasibility, Systems Analysis, Design and Implementation and Integration and Testing. This project produced a framework for the future implementation of a student attendance management system and technology-based solution to support the student tracking process. The end of the result, this system will help to improve the quality of the faculty subjected to the student attendance and increasing the overall grade and student commitments to the course taken.

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