

THE DEVELOPMENT OF STUDENT ACHIEVEMENT ANALYSIS PLUGIN FOR LEARNING MANAGEMENT SYSTEMS

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Abstract

Learning Management Systems (LMS) are used for many purposes such as teaching courses online, sharing documents, discussions and sharing on forum, multiple choice or formal examinations, assigning and receiving homework. LMSs offer many different tools to both students and educators depending on their type and version. Educators are able to track the students with these tools. For example, many variables that affect student success such as how much time students spend on course forum, how many shares they have made, whether they have uploaded their assignments, assignment grades, answers to formal exams etc. are tracked and monitored on these systems. Additionally, new plugins can be developed based on the needs for the open source LMSs. In this study, an open source plugin was developed for Learning Management Systems which monitors and analyses each student's activities on LMS not separately but integrated and as a whole. After educators upload students' midterm and final exam grades to the system at the end of the educational activities carried out during the academic year, this plugin prepares report for educators by comparing the activities on the LMS with the success of students. Analysis and comments on the activities of successful and unsuccessful students can be conducted through this plugin. It is expected that this tool can greatly contribute to the teaching activities of educators.

Keywords: Learning Management Systems (LMS), student identification, student analysis.