

A Model for Classification Secondary School Student Enrollment Approval Based on E-Learning Management System and E-Games

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Abstract—Student is the key of the educational process, where students' creativity and interactions are strongly encouraged. There are many tools embedded in Learning Management Systems (LMS) that considered as a goal evaluation of learners. A problem that currently appeared is that assessment process is not always fair or accurate in classifying students according to accumulated knowledge. Therefore, there is a need to apply a new model for better decision making for students' enrollment and assessments. The proposed model may run along with an assessment tool within a LMS. The proposed model performs analysis and obtains knowledge regarding the classification capability of the assessment process. It offers knowledge for course managers regarding the course materials, quizzes, activities and e-games. The proposed model is an accurate assessment tool and thus better classification among learners. The proposed model was developed for learning management systems, which are commonly used in e-learning in Egyptian language schools. The proposed model demonstrated good accuracy compared to real sample data (250 students).

Keyword—*evaluation; learning management system; e-games; classification*