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Quality assurance models in e-learning

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Abstract

Quality is one of the most decisive factors determining the future of e-learning. The currently available e-learning systems can provide a lot of sophisticated services [2] but fail in providing a full covered quality assurance of teaching materials and exams tests. Our main aim is the detailed logging of all students and teachers activities, which can make it possible for us to formulate adequate assertions concerning the quality and performance of learning and examination process. We do not want to develop a brand new system, following [1] we only try to base on existing open source systems like "MOODLE-M" as an electronic learning environment and, the "System R" for statistical analysis. In this paper, we report on the main challenges and research results of this project.

Keywords: e-learning, quality assurance, statistical quality control

MSC: 97U50, 97U40

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