



Implementation of MOODLE online examination system with the Moodle_Quiz_V09 template in the context of technology acceptance model and learning management system

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Abstract

A learning management system (LMS) is an educational framework used to plan, implement, and assess a specific learning process which is specially used for e-learning education courses or training programs. We begin with the argument that the Technology Acceptance Model (TAM) is more applicable in predicting intention to use and usage for users than non users. This paper looks at the acceptability of TAM in predicting intention to use MOODLE Online Examination System among current users and future users where MOODLE is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalised learning environments. The place of the study was based on a Pvt. Management College of Kolkata, West Bengal, India and sample size was 55. For conducting the Online Examination in MOODLE platform, sample questions along with the correct answers has to be uploaded in the MOODLE local server with a few supported specific formats like – Aiken format, Gift format, Black board format, WebCT format or MOODLE XML format etc. Now it is a tedious job among the Faculty members of different departments to submit all the questions along with the appropriate answers with that specific MOODLE supported format, specially for whom who does not have so much experience in IT or Web based Technology. To resolve the problem, we practically implemented a template (namely Moodle_Quiz_V09) in the MOODLE platform which specifically can convert any .doc format (simple Word format) questions to MOODLE XML format. After conversion of such a questionnaire, a mock test was conducted to test the acceptability of the template. Based on the practical implementation, a proposed theoretical framework has been designed from the original TAM Model. A pilot survey was conducted among the 55 Faculty members of the College to collect their feedback and incorporated the same into the proposed framework which shows the acceptance of MOODLE Online Examination system with the specified Moodle_Quiz_V09 template.

Keywords: LMS, TAM, MOODLE, Perceived Usefulness, Perceived Ease of Use, Attitude towards usage.

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