Abstract

The research is on the development of an enhanced web-based mobile learning management system which promotes the learner’s knowledge, and the entire individual learning system. Though traditional but formal, the classroom has being the adopted way of teaching and learning in most institutions. In this type of learning, students can miss lectures for reasons beyond their control. It is for these reasons that the research and development of a web-based platform for mobile learning is of essence. Making learning mobile and informal can actually provide the required solution. This work presents an enhanced web-based platform solution for mobile learning management system for addressing these problems. The inclusion of an online quiz in the system aids students to know how to properly study the learning materials presented by each specific lecturer and this increases their learning speed and ability. The system therefore is an improvement on the system presented by [1]. The development architecture of the system consists of the Interactive layer, Logic layer, Access layer, and the Storage layer. The Interactive layer is the user interface which is made up of the system user, the mobile devices used to access the internet and also context discovery. The implementation was carried
out using Adobe Dreamweaver and Xampp server. The evaluation of the system showed that the practice of mLearning will considerably improve learning system in different facets of learning.

References

10. Sitthiworachart J.,"Is Mobile Learning a Substitute for Electronic Learning?" Faculty of Information Technology King Mongkut’s University of Technology North Bangkok, Thailand.
16. Skouradaki M. (2013), Enhancing Learning Management Systems (LMS) with the use of Web Technologies, Computer Science Department University of Crete, 7th International Conference in Open & Distance Learning.

**Index Terms**

Computer Science  
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**Keywords**

Mobile Learning (m-learning), Structured query Language (SQL), Hypertext markup language (HTML), Adobe Dreamweaver, PhP, management system, web-based.