Abstract

An Online Learning Management System or OLMS is a term used to describe web-based technology, designed to plan, implement, and assess a specific learning process. Online Learning Management System features can be viewed as comprising of four various tools which includes: a tool for distribution, a tool for communication, a tool for interaction and a tool for course administration. There is a dire need among ADSU students for a centralized learning system so as to enable them share learning materials, communicate, submit assignments and take assessments online, which has been implemented and adopted by many educational institutions but ADSU is yet to adopt the system. The software development methodology used to develop this system is the waterfall and the incremental model, the system is developed and implemented using Php, javascript, ajax, HTML and css. Online Learning Management System is designed, developed and implemented for ADSU Mubi using responsive design in order to encourage and facilitate learning through the use of internet and the available devices capable of accessing the internet regardless of the users' location. This work was not able to capture video content delivery and discussion forum. Therefore, it is open for further research so as to
Development of an Online Learning Management System (OLMS) a Case Study of Adamawa State University Mubi Nigeria

References

1. Aini, Z., Nur, S.A. (2016). Learning Management System of Higher Education Institution. Indian Journal of Science And Technology, Vol 9(9), DOI:10.17485/ijst/2016/v9i9/88717, November 2017.

2. Andersson, A. & Grönlund, Å., 2009. A conceptual framework for eLearning in developing countries: A critical review of research challenges. The Electronic Journal on Information Systems in Developing Countries, 38(8), pp.1–16.

3. Bhalalusesa, R., Lukwaro, E.E. & Clemence, M.(2013). Challenges of using elearning management systems faced by the academic staff in distance based institutions from developing countries: A case study of the Open University of Tanzania. Huria Journal of OUT, 14, pp.89–110.

4. Bhatia, S. (2014). Learning Management System Trends. Training Magazine. Published by Lakewood Media Group, a LLC. Accessed November 2017 at: http://www.trainingmag.com/learning-management-system-trends.

5. Cavus, N., & Momani, A. M. (2009). Computer aided evaluation of learning management systems. Procedia-Social and Behavioural Sciences, 1(1), 426-430.

6. Cavus, N. (2010). The evaluation of Learning Management Systems using an artificial intelligence fuzzy logic algorithm. Advances in Engineering Software, 41(2), 248-254.

7. Curran, T. (2011). Open source or proprietary LMS? Your answer, my friend, is floating in the Cloud. In EdTech online. Accessed November 2017 at: http://tedcurran.net/2011/11/08/open-source-or-proprietary-lms-your-answer-my-friend-is-floating-in-the-cloud/

8. Davis, B., Carmean, C., Wagner, E. D. (2009). The Evolution of the LMS: From Management to Learning. Deep Analysis of Trends Shaping the Future of e-Learning. Sage Road Solutions LLC. The eLearning GuildTM, Santa Rosa, California, USA. Accessed November 2017 at: http://www.blackboard.com/resources/proed/guild-lmsreport.pdf

9. Dube, S. & Scott, E. (2014). An empirical study on the use of the Sakai Learning Management System. In Proceedings of the e-Skills for Knowledge Production and Innovation Conference. Cape Town, South Africa, pp.101–107.

10. Elmahadi, I. & Osman, I. (2013). A study of the Sudanese students’ use of collaborative tools within Moodle Learning Management System. In IST-Africa 2013 Conference Proceedings. pp.1–8.

11. Eom, S.B. (2014). Understanding eLearners’ satisfaction with Learning Management Systems. 16(2), pp.3–6.

12. Ericsson, 2014. Sub-Saharan Africa Ericsson mobility report, Stockholm, Sweden. Available at: http://www.ericsson.com/res/docs/2014/emr-june2014-regional-appendices-ssa.pdf.

13. Filippidi, A., Tselios, N. & Komis, V., 2010. Impact of Moodle usage practices on students’ performance in the context of a blended learning environment. In Social Applications for Lifelong Learning. Patra, Greece, pp. 1–6.

14. Mayoka, K. & Kyeyune, R. (2012). An analysis of eLearning Information System adoption in Ugandan Universities: Case of Makerere University Business School. Information Technology Research Journal, 2(1), pp.1–7.
15. Mtebe, J.S. & Raisamo, R. (2014). Investigating perceived barriers to the use of Open Educational Resources in higher education in Tanzania. International Review of Research in Open and Distance Learning, 15(2), pp.43–65.

Index Terms

Computer Science  Applied Sciences

Keywords

Learning, Learning Management System(LMS), Online Learning, Online Learning Management System(OLMS), E-Learning.