Chapter 7

Learning Management Systems: Concept and Challenges

Omer Abdelrahim Fadil
Shagra University, Saudi Arabia

Mohamed Khaldi
Abdelmalek Essaâdi University, Morocco

ABSTRACT

This chapter deals with several details related to e-learning represented in the concept of learning management systems, types of learning management systems in terms of learning management system and course management system, learning and content. The authors will clarify the importance of e-learning management systems in the educational process and features of e-learning management systems. In addition, the authors will explain the steps chosen for e-learning management systems with inference on some examples of e-learning management systems. At the end of the chapter, they will talk about learning management systems in Arab universities in the education process.

INTRODUCTION

E-learning is a tool or educational system based on All kinds of computers so that we can be learned from anywhere and at any time. Now, e-learning is mostly being delivered online, although in the past it used a combination of computer-based methods such as CD-ROMs. But when the technology era evolved so much, it bridged the geographic gap using tools that made the learner feel as if he were in the classroom. E-learning offers the ability to share materials in all kinds of formats such as word documents, PDFs, and videos, slideshows. E-learning provides learners with the ability to fit learning about their lifestyles, enabling them to effectively to further a career and gain new qualifications. Since the launch of the Internet, there have been some developments in education. So sharing and running the online courses is very simple. At the moment, learners are well versed in using smartphones, and using the Internet. Social media and various other means of online communication allow learners to keep in

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touch and discuss course-related matters, whilst providing for a sense of educational community. There are a large number of different e-learning systems known as learning management systems, or learning management systems (LMSs), methods, which allow for courses to be delivered. With using the right tool, through it we can automate various processes such as identifying tests, academic duties or creating attractive content. We can say that e-learning requires a system of teaching and learning management that provides communication between all parties in the educational system and therefore the systems of learning management is one of the most important components of e-learning is an integrated system responsible for managing e-learning across via network. " Internet “. Through it, we can automate various processes such as identifying tests, academic tasks or creating attractive content. In this chapter, we discuss several points and details related to e-learning represented in: - The concept of learning management systems, Types of learning management systems in terms of learning management system and course management system, Learning and Content. As well, we will Clarification the importance of e-learning management systems (LMS) in the educational process. and Features of E-Learning Management Systems. Classification of e-learning management systems in terms of a source. In addition, we will explain the steps choose e-Learning management systems with inference on some examples of e-learning management systems with taking example Moodle system and Blackboard. At the end of the chapter, we talk about learning management systems in Arab universities in the education process.

THE CONCEPT OF LEARNING MANAGEMENT SYSTEMS

Learning management systems have been a part of the e-Learning ecosystem for more than 13 years. are one of the few innovations emerging directly from e-Learning that has sustained to the current day. In the first decade of e-Learning adoption, learning management systems were the hub of all online learning activities. Learning management systems are among the very few enterprise technologies emerging directly from the e-Learning industry. They first came on the market in the late 1990s when traditional classroom experiences were being “ported” online, redesigned (or at least reconfigured) for computer-mediated delivery, and distributed via the Internet. Commercial LMSs were purpose-built for the challenges that come from creating, distributing, and managing digital learning content and assessing those experiences. On the other hand, LMS design as it has a direct impact on how users use the system. If the LMS is easy to use and easy to learn, learners will use the system more often. Today’s emerging LMS architecture allows enterprises to offer services, support inquiry, and track user behavior across a wide variety of sites and sets of devices (“e-Learning and Distance Learning, n..d). Learning Management Systems(LMS) have become play a central role in the Web-based e-learning scenario. Where it connects learning contents and learners together in a standardized manner. It manages users, learning materials (in the form of objects in the Content Management System) and learning events. It manages and administers learning progress and keep track of learning Performance. It manages and administers administrative tasks. LMS is a software system designed to facilitate administrative tasks as well as student participation in e-learning materials(Recesso,2001). Learning management system extends to the classrooms and its activities online, thereby connecting students to each other and their instructors; In addition, it works to enable empowering web-based sharing of research materials, library resources, and even courses; and integrating learning activities with administrative systems (Ardito et al, 2012). Also, the (LMS) stands for Learning Management System and it’s a global term for a computer system specifically developed
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