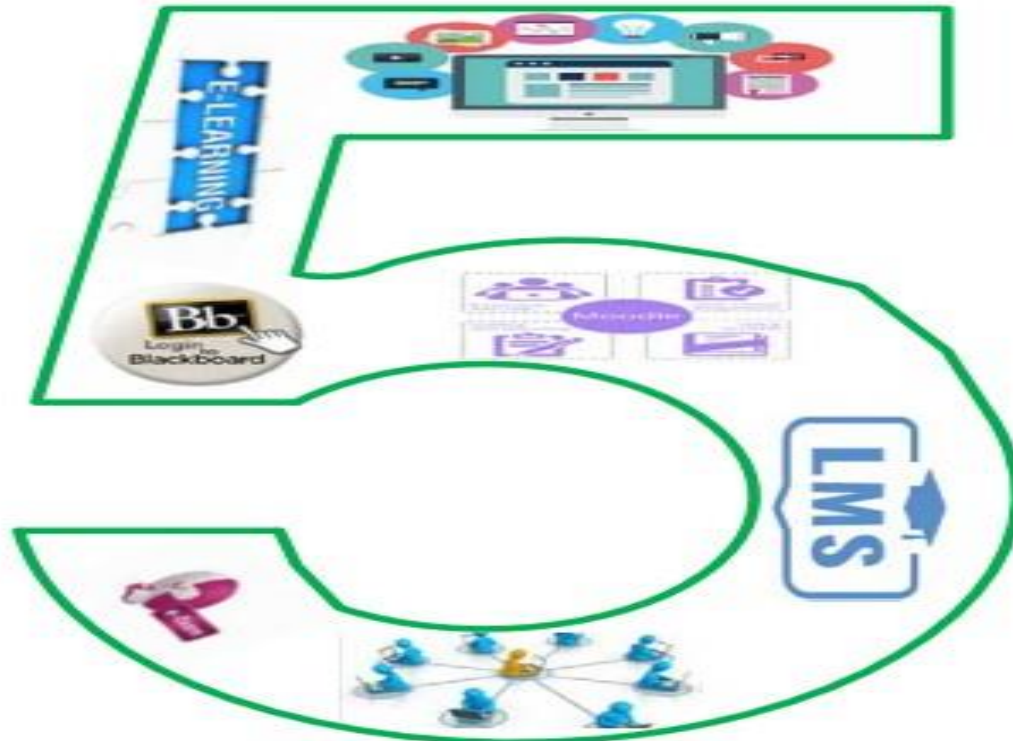




COMPUTER SKILLS E-learning

Chapter 5

E-learning



Objectives

Main objectives:

1. Knowing about e-learning, methods and systems
2. Known about e-learning terms

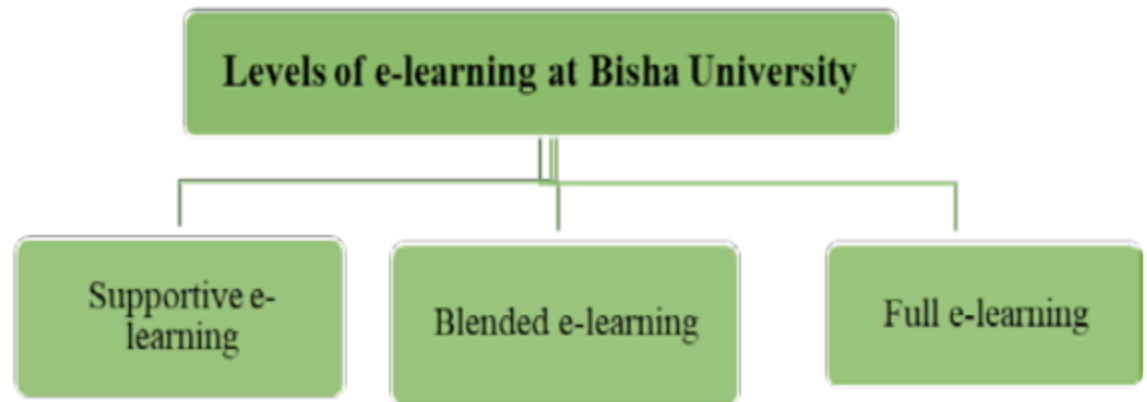
Objectives

Sub-Objectives

1. Know about e-learning in terms of origination and components.
2. Know about e-learning objectives.
3. Distinguish between e-learning systems and their different types.
4. Know about e-learning methods.
5. Know about the Blackboard system used in the university.
6. Distinguish between different e-learning systems.
7. Know about one of the distinguished e-learning platforms (Shams platform)

Using E-learning in Teaching at Bisha University

Bisha University included e-learning in teaching e-courses at three levels: supportive e-learning, blended e-learning, and full e-learning.



First: Supportive E-learning:

Teaching takes place in the halls and uses e-learning systems and tools to support the learning process, and one of its characteristics is that the curriculum in the university's learning management system includes (description, evaluation, course objectives, content, and learning activities).

Second: Blended E-learning

In which a specified percentage of attendance is replaced by electronic activities using e-learning management systems at two levels: 25% and 50%, and is using systems, tools and environment of e-learning. A 25% of the total marks of the course are allocated to electronic activities.

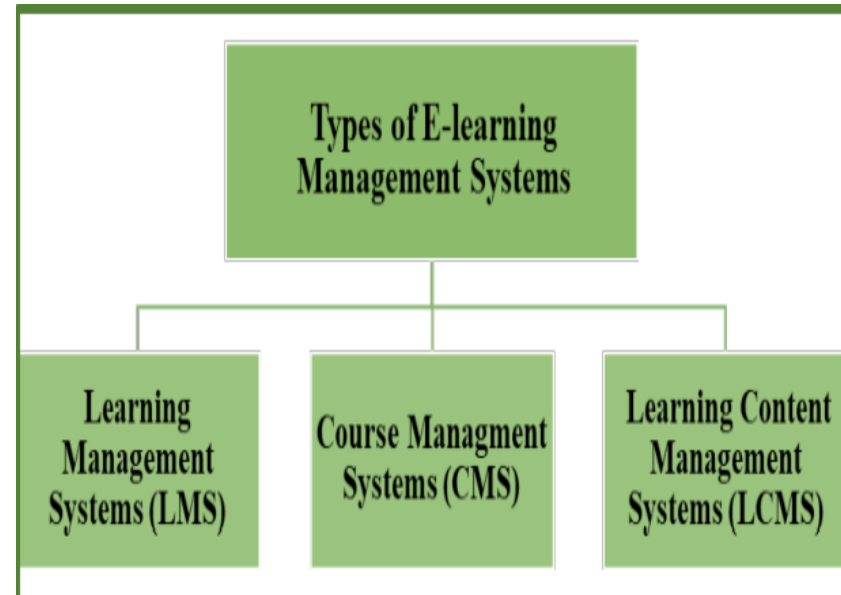
Third: Full E-learning

In which a specified percentage of attendance is replaced by electronic activities using e-learning management systems and they are as follows:

- 40% of the total score allocated to electronic activities.
- What is taught synchronously at least 25% of the electronic course.
- What is taught in electronic activities is not less than 50% of the electronic course.

E-learning Management Systems

They are application programs which are used in the implementation and evaluation of the learning process. The learning management system supports the staff member to create and present electronic content from various electronic sources and interactive and non-interactive electronic activities, and to monitor student participation. The system also supports student participation for various sources and activities.



Types of Learning Systems

Learning management systems are divided into three types :

- learning management systems
- course management systems
- learning content management systems.

First: Learning Management Systems

Learning Management System (LMS): It is a system that works to manage, follow-up and evaluate learning and synchronized and asynchronous electronic activities.

Learning management systems offer a number of functions, including:

• Electronic content management.	• Authoring educational programs.
• Registration of students, staff and administration.	• Performance Management System.
• Curriculum Management.	• Resource Management.
• Skills and competencies management.	• System template.
• Evaluation.	• Developing collaborative content.
• Reports.	

Second: Courses Management Systems

It means the Course Management System (CMS) and focuses on the courses in terms of composition and development. This system enables the publication of scientific material, the management of study activities related to the course and the management of all existing courses.

Third: Educational Content Management Systems

Learning Content Management System (LCMS) focuses on educational content and gives authors the ability to create, develop and modify educational content more effectively. The components of the educational content management system include the following:

- Application of authorship.
- Learning object repository.
- Dynamic connection interface.
- Management tools.

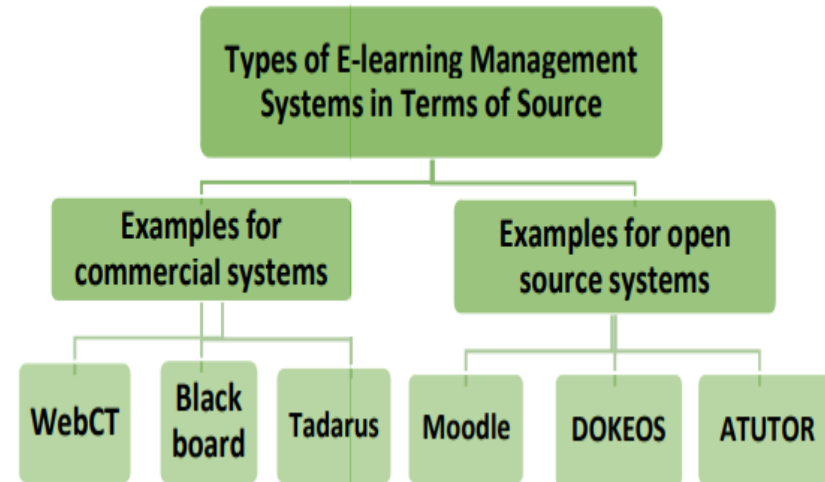
Types of E-learning Management Systems in Terms of Source

The e-learning management systems are divided according to source into two types:

First: Closed Source or Commercial E-learning Management Systems

(Commercial Systems): These are systems that are owned and developed by a commercial company. The owner company allows the use of the system only with a license, such as the Blackboard system.

Second: Open Source Systems They are systems that enable educational institutions to use for free and are subject to development and modification by many interested people around the world, but do not have the right to sell them.



Blackboard E-learning Management System

The most important features of the Blackboard system:

- The integration of Blackboard with Shams platform.
- It has a forum for academic subjects.
- It has a file upload feature for faculty members and students.
- It has an email feature for students participating in the course and staff members.
- The presence of a wiki service.
- It has a blog service.
- It provides the staff member the advantage of dividing students into groups.
- It has a feature for creating tests.
- It enables the staff member to place a declaration, assignment or presentation of the course.
- It has a special bulletin board to announce new lectures and activities.
- It is compatible with international quality standards in e-learning.

Blackboard E-learning Management System

Advantages of the Bb Collaborative Virtual Classroom System:

- The ability to send files to all the participants in the session.
- The possibility of creating groups to discuss a specific topic.
- Availability of the interactive whiteboard.
- Recording the various electronic lectures and activities accompanying the lecture with audio and video
- Students can interact with the moderator.
- Enabling application and program sharing.
- Availability of surveys for students.

The most important advantages of the virtual classroom system

Among the most important advantages of the virtual classroom system (Collaborate), the latest version:

- High quality web conferencing
- No need to install Java software, as it is based on (WebRTC) technology that does not need to install Java
- The ability to record virtual sessions in (MP4) format.

Downloading the Blackboard App on Smart Devices:

- Blackboard has introduced an application for smart devices, which can be used by students for activities and learning resources.
- Students can download the application on smart devices running the iOS, Android and Windows operating systems.
- The following steps illustrate downloading the Blackboard app to smart devices:
 1. Access to the store, using your smartphone of the following types: iPhone, iPod touch, Android
 2. Search for the black board.
 3. Install the Blackboard application on the smartphone.
 4. Open the Blackboard app and search for Bisha University.
 5. Log in with your Blackboard username and password.

Premium e-learning platforms

The premium platforms are defined by UNESCO as «the teaching, learning and research resources available through any digital or non-digital means that are in the public domain or have been issued under an open license that allows others to make free benefit of them, use them, adapt them and redistribute them without any restrictions or limited restrictions».

The most Popular Arabic Platform

Among the most famous Arab platforms for open education are the following:

- Shams
- Edraak
- Rwaq
- Tahrir academy We will address the Saudi Open Education Resource Network (Shams) platform in some detail.

Learn about the Shams Platform

“Shams is the Saudi network for open learning resources that aims to enrich educational content to support learning and search for a sustainable path for partnership in design, improvement, maintenance, and enhancing the quality of digital educational content and contribute to providing more learning opportunities for speakers of the Arabic language

Shams platform aims, according to its website, to achieve the following objectives:

- Contribute to the quality of continuous learning.
- Improving the quality and accessibility of teaching and learning resources.
- Collaborate to develop creative digital content services and learning practices in the educational framework.
- To enhance cooperation in the design, development and quality assurance of open learning resources.
- Identify open learning best practices, products and processes that are outstanding through self-assessment and peer reviews.
- Encouraging researchers and developers to conduct studies and make proposals for improving the open learning resource system.

Open Learning Resources

Open Learning Resources OER is an acronym for the phrase (Open Educational Resources) which is educational resources that include video or audio lectures, free textbooks, computer programs, available to everyone as a common public domain, or as a public domain. Such resources are usually issued using a specific intellectual property license, which allows distribution and modification of these resources and cooperation with others to reuse them, or even for commercial purposes.

End Of Lecture