



Advanced learning: Integrated learning systems

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Received: 02-Feb-2022, Manuscript No. GRJE-22-60498; **Editor assigned:** 04-Feb-2022, PreQc No. GRJE-22-60498(PQ);

Reviewed: 18-Feb-2022; QC No. GRJE-22-60498; **Revised:** 21-Feb-2022, Manuscript No. GRJE-22-60498(R)

Published: 28-Feb-2022, DOI: 10.15651/2408-6894.22.10.132.

DESCRIPTION

Information and Communication Technology (ICT) is widely used in the educational process, and teachers are using a variety of strategies to improve the use of ICT in the educational and learning processes. Learning with ICT follows a constructivist approach, shifting from passive learning to active learning. The use of ICT in education involves human interaction with computers, but it is not always possible to ensure human interaction in a learning environment. If the online learning environment is replaced by teachers, it will be an Integrated Learning System (ILS). It is a computer-based learning system used to deliver content through individualized instruction, a web-based dialogue between learners and content. Of course, we also provide tools for evaluation and management.

ILS combines a variety of concepts and experiences to enable skills and information to be applied to novel and complex tasks. It provides teaching strategies that are web-based technologies for online programs. Helps create an active, learner-centric, rich environment that blends face-to-face and online learning. Integration creates connections between learners and enables them to engage in meaningful, relevant, and relevant real-life activities. This can be an interdisciplinary or interdisciplinary approach. In the case of integrated learning, various educational strategies such as group work, individual lessons, and class work are integrated with each other. ILS uses a variety of technologies that allow teachers to integrate theoretical and practical knowledge. The ILS provides teachers with the opportunity to choose a strategy that suits their needs according to their needs, start with that particular skill, and ensure that the learner has mastered that content before moving on to the next content. Examples of ILS include media presentations, hands-on exercises, virtual classrooms, ability-based exams, and course workbooks.

Features of ILS

The integrated learning system has various features such as:

- ILS courses have a specific purpose with hands-on experience, mock tests, and a personalized learning environment to make it easier for learners to learn at their own pace.
- It provides a supportive, comprehensive and non-competitive learning environment that encourages learners' success.
- ILS integrates various multimedia features such as audio, video, animation and presentation into the teaching and learning process.
- Some ILS systems include problem-solving tasks, scientific simulations, multimedia spreadsheets, and various writing tasks. These activities include student collaboration.
- ILS can provide topic-based instructions that take into account topics so that existing activities can be reorganized to support content.
- ILS also provides options for collecting and organizing them for ease of computer evaluation;
- ILS guarantees the use of the Internet in the educational process.
- Provides features such as e-portfolio and virtual learning environment to monitor learner progress.

Functions of ILS

An integrated learning system is now an integral part of the teaching and learning process. Students studying through ILS are more active than students without an ILS environment and can achieve more in less time.

ILS has a variety of features, including:

- ILS allows teachers to monitor student progress and provide timely feedback so they can understand what's happening through hands-on experience.

- Increase learner involvement and retention in the learning process and see learner progress grow in real time.
- Multiple ILS systems can integrate e-Portfolio, VLE, and MIS systems with each other to synchronize and share data to provide a common report, providing robust reporting.
- ILS improves the efficiency, transparency, and productivity of teaching and learning processes.
- ILS is an environment that combines tutorial presentations with drills and exercises.

Multiple students can access different parts of the software at the same time, enabling a multitasking environment. Some people can work on character recognition at their own pace, while others can work on understanding.

General ILS function

ILS is basically a web-based system with three main functions.

Curriculum content: Most content is ILS computer-based, covers a wide range of content, and is specific to a wide range of skills.

Student recording system: This is a recording system that keeps a record of individual student performance.

Management system: Record individual responses, determine the order of existing curriculum materials, and control the delivery of content and the provision of feedback to students.

Some ILS software has the ability to manage books, videos, and real-world situations, collect data, and control events. Another important feature is the ILS feature, which tracks the progress of activity from the time a student logs on to the computer to the time they log off. When the student logs in again the next day, ILS will automatically add the learner's assessment file. These files provide feedback and record student responses. Another feature ILS provides is the overall assessment of students creating and managing portfolios.

Support For ILS Education

ILS supports the educational process as technology makes teaching and learning more interesting and effective, and develops critical thinking for students. Technology is creating new bonds between teachers and students to change the educational environment and enhance learning. This technology has changed the roles of students and teachers. Students are responsible for their learning and the role of teacher is the role of facilitator. ILS provides students with an attractive and innovative learning environment. Engaging students in a variety of activities is an interesting way. Teachers can instruct students to process information and assist them in making choices so that they can validate what they are learning. Students can integrate different ideas and experiences and apply them to real-world situations.