

COMPUTER-AIDED ASSESSMENT- A REVOLUTION IN EVALUATING LEARNING

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Abstract:

Education is a tool which provides students with knowledge, information, skill, technique, facilitate them to be informed their duties and rights in society as well as the nation. With a development of new technologies and opportunities of traditional teaching aids teachers and students should not limit their cooperation to classroom activities only. This thesis covers specific issues to develop critical thinking, train learning strategies, and increase students' autonomy in their attempts to practice English outside the classroom computer-aided language learning is an available instrument, that can provide an additional learning environment for both students and teachers, enhance language learning through involving additional resources.

Key words: computer-aided assessment, language learning, classroom activities, information, learning environment, assessment softwares, platforms.

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Virtually every language learner worldwide is to a lesser or greater extend, a user of computers, the Internet, iPods, cell phones, the Web and other common cyber technology. It is no surprise, then, that an overwhelming number of language courses utilize some form of Computer-assisted language learning (CLL) to achieve their goals as recent publication show (H.D.Brown, 2007 b).

Computer-based language courses supply learners with plenty of language learning and professionally oriented materials and allow student to work at their own pace. Computer-aided tools can be used to strengthen the students' language skills through additional practice and to complete gaps in students' knowledge. Computer-aided assessment is considered one of the most important computer-aided tools.

Computer-aided assessment conveys the use of computers and software to create, administer, and analyze assessments. It has revolutionized the way learning is assessed, offering many advantages over traditional pen and paper methods.

Main components of Computer-aided assessment is mentioned below:

- Item Banks: Digital libraries of pre-written questions and tasks, enabling the creation of diverse assessments.
- Assessment Software: Platforms for creating, administering, and grading assessments, often with features for adaptive testing and personalized feedback.
- Automated Grading: Software that uses algorithms to score objective questions, reducing workload and ensuring consistency in evaluation.

What is Item Banking? Item Banking refers to the development and management of a large pool of high-quality test questions. Items are treated as reusable objects, which allows you to more efficiently publish new test forms. Items are stored with extensive historical metadata to drive validity.

Test forms are published, and immediately are delivered on our integrated digital assessment platform, to be printed to paper, or the items are exported for delivery elsewhere.

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A good item bank is critical for successful digital testing. It ensures the reliability and validity of results and provides a more effective and efficient testing experience. By investing in building and maintaining a high-quality item bank, it can be laid the foundation for successful digital testing now and in the future.

It can be distinguished a lot of types of assessment softwares nowadays. TestGorilla, Pippel, Surpass Assessment, Janison Transparent Language, Testintive, SmallTalk2Me Assessment. It can be utilized a lot of assessment platforms in education nowadays. Assessment platforms are tools or software systems designed to create, administered and manage various types of assessments for evaluating students' skills, knowledge and learning progresses. Although Socrative, Kahoot, Mentimeter, Quizlet, Benchmark Assessment, Google Forms, iSpring Suit, Assessment Generator, Glider Ai Platform, Survey Monkey are very popular all over the world, yet these tools are not used in many remote areas for several reasons and their effectiveness has not been tested. Using Google Forms is simple and convenient way to grade Students' formative or summative assessment. In this platform teacher can create a quiz in a specific content, add questions, customize a quiz preview and send a quiz to students. It is even more convenient to send the results after evaluating the students' work.

Automated-grading system are software tools that use artificial intelligence to assess and grade student work. These system can analyze various types of assignments, including multiple-choice questions, essays and even coding-projects. The purpose of automated grading system is to streamline the grading process, save time for teachers, and provide instant feedback to student.

Implementing an automated grading system in your educational institution can bring numerous benefits:

1. Automated grading systems can significantly reduce the time spent on grading. Instead of manually grading each assignment, teachers can simply input the grading criteria into the system, and it will automatically assess the student work. This allows teachers to focus on other important tasks, such as lesson planning and student support.

2. Automated grading systems ensure consistency in grading by applying the same criteria to all student work. This eliminates the potential for bias or subjective grading. Students can be confident that their work will be evaluated fairly, regardless of who is grading it.

3. One of the key advantages of automated grading systems is the ability to provide instant feedback to students. As soon as a student submits an assignment, they can receive feedback on their performance. This immediate feedback allows students to learn from their mistakes and make improvements in real-time.

4. By automating the grading process, teachers can significantly reduce their workload. This frees up time for teachers to focus on other important aspects of their job, such as lesson planning, student support, and professional development. Automated grading systems can help alleviate the stress and burnout often associated with manual grading.

The following challenges related to computer aided assessment can be listed in general.

- Cost: Developing and implementing CAA systems can be expensive for institutions.
- Technical Issues: Reliability of software and internet connectivity can pose challenges.
- Equity: Unequal access to technology can create disparities in test-taking opportunities.
- Potential for Cheating: Computer-Aided Assessment systems need to be designed with safeguards against unauthorized assistance.

In conclusion, Computer-Aided Assessment is transforming the way learning is assessed, enabling educators to provide more efficient, reliable, and personalized evaluation. While challenges exist, the continuous development of Computer-Aided Assessment systems

and their integration with cutting-edge technologies promise a future where assessment becomes a powerful tool for enhancing learning outcomes.

References:

- [1]. *Language Assessment. Principles and Classroom Practices.* H.D.Brown, 2007
- [2]. *Teaching Methods of Special Subjects.* J.Djumabayeva, 2019
- [3]. *Research on Computer-Aided English language Evaluation System.* T. Jinjin. *Journal of Physics*, 2021
- [4]. <https://www.taotesting.com>
- [5]. <https://impactum.mx>