

# Features of Proposed System for Electronic Learning at Universities

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**Abstract:** The world is today a scientific and technological revolution, has been an explosion in terms of information and cognitive, and the changes undergone by the world related to the rapid flow of information and the enormous potential for storage and processing. The computer is a product of scientific and technical progress today, is also at the same time one of the pillars of leading this progress; making it the recent focus of educators and those interested in the educational process and education, has paid educational computer systems, and called for use both in school management Or teaching. It has been shown to most computer users experience the process in many developed countries that computer education, if used in the right place at the time - can achieve excellent results in the classroom. This, in turn, include training teachers to use the best technology so they can plan appropriate and report the appropriate place and time required to reach teachers and students alike to master the skills and scientific facts and concepts contained in school decisions and less time building positive trends as well as assistance in the evaluation and test students.

**Keywords:** Electronic Learning, Education, Modern Technology, Student, School

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## 1. Introduction

The aims of education can only be achieved modalities update technology education. Technology education contribute to achieving the goals of education, raising the level of teaching, improving teaching and learning processes, and increased collection of the student, nor can the means of communication, technology, to perform their functions in full, but if they become an integral part of the educational process, and if sponsor ship style integrated use of technology, we can invest their investment success, in both economic and educational, so it must work to become the means and technology, an integral part of the educational practices that take place in the school area. The tests essential functions in the lives of student, teacher and educational institution and the community can not dispense with the tests because of their complex roles in several fields, and many types of tests [11].

There is an urgent need to activate the tripartite traditional education (teacher, student, school) and converting it into a learning process more modern and modern elements include: the modern teacher, student positive, the school of modern technology, advanced education, curriculum and advanced

education-systematic. Pupil achieve clear targets and specific advance to the final form of behavioral changes, and determine a method of self-control and evaluation of all components of the educational activity and this is why we call for trying to provide computers for each school and train students to deal with it in all schools.

Expected to provide a draft comprehensive test collection many benefits for all parties involved in the process of education, for instance: [9]

1. Provide decision-makers documented and objective information about the level of student performance and the rate of achievement of objectives.
2. Provides an opportunity comparison with internal groups and groups of former students.
3. Can be compared with the levels of the central tests or test results teacher.
4. Evaluate teacher performance and conduct research on student achievement.
5. Evaluate curriculum and educational program and in particular the curriculum.
6. A student at the school level appropriate for the school charges. Diagnosing strengths and weaknesses in the

acquisition / performance skills seminar already learned certain topics or specific study in order to build and develop remedial teaching program. [8]

7. Provide feedback on the occasion of the separation /row/ seminar stage, in an article or a set of teaching materials for teachers, students and parents to find out the strengths and weaknesses and sources of place among students in aspects of academic achievement to reach a joint cooperation between the parties to the educational process to support the strengths and treatment aspects Palaces.
8. Scientific background the building work of specialized tests should be available in prepared for this test a special rehabilitation and good experience, and these are not available in the majority of teachers. [9]
9. Economic background efforts of teachers in building the tests are missed efforts, announcing the construction of hundreds of tests are not exploited and that their review and upgrade (rationing) is wasted effort, in addition to wasting so much time in building his teacher tests and this time be at the expense of learning time, as it is assumed that a number teachers of specialists to provide such tests and well and devote the rest of teachers to teach and invest time in favor of the school article.

The studies and research conducted tests receivable of prepared teachers to the presence of numerous weaknesses in the preparation of teachers for these tests as follows:

1. Reduced their ability to formulate substantive paragraphs of the tests and their resorting to the test article.
2. Non-paragraphs of the test to cover aspects of the decision prepared to measure cognitive pupils collect it.
3. Non-interest teachers to prepare specifications for testing schedules by the enemy. [15]
4. Low levels of cognitive tests designed to measure the paragraphs with the educated.
5. The failure of the teacher's conduct seizure of statistical tests, to identify the extent of sincerity and constancy. Sincerity and firmness test, the test of good qualities, stages of testing, analysis of test results, issues in the field tests.

## 2. Literature Survey

Rsalhmajstir test online for the author (Alaa Naseem Alhleahy) [2] at the University of Alexandria in 2004, and for the process of educational importance of that progress was necessary for us to develop mechanisms to cope with the modern era. The idea for the project and a serious attempt to catch up with modest advances in information technology where this project to clarify how to use the Internet to work on after testing - Test Online - for several users at one time with the addition of many possibilities for the project come up in a decent contain A new idea.

Hala Taha Bakhsh [1] (student and future challenges of the student Assistant professor at the university or villages in 2006 addressed the most important research paper related

issues including school knows the future or from a smart school student and future challenges with regard to teaching and learning processes in schools in the future, and this Issues exposed to define the concept of "smart school" or "School of the Future", a school or future smart school is "a school with classes of electronic devices and computer software enables students to communicate electronically with teachers and materials assessments, could also be smart school system of electronic management of the activities Starting from different school systems and attendance and leave the development of examinations and correction. [7]

D. Suad Bint Fahad Al-Harthi draft between the traditional educational system Professor of administration and Planning education assistant, ministry of education and educational project concerned with the increased attention in recent years using computers and the Internet in teaching and learning language skills, at a time when the ability to read and write and communication via computer key requirement in modern life, as rising English star. [3] To become the most common languages in the modern era, began using computers in language education since the sixties, passed this use over the past decades in three basic stages. interested in educational measurement, facts, concepts and basic skills in preparing the tools of psychological and educational measurement, with the presentation of some models of psychological tests and to identify the characteristics of those tools elsekomtre.

Steven L. Wise; Laura Boettcher Barnes; Anne L. Harvey; Barbara S. Plake [4].

This study investigated the impact of examinee computer anxiety and amount of examinee computer experience on the differences between the test scores obtained using computer-based versus paper-and-pencil achievement tests. The results indicated that neither feelings of anxiety toward computers nor lack of experience using computers had a debilitating effect on examinee performance when a computer-based test was used. Neither computer anxiety nor computer experience.

### 2.1. The Project Aims to Solve the Following Problems

- 1) Harness modern technology to raise the Educational level of students. Either through the answer, he was shown with Every new scientific study or personal interest. [5]
- 2) Control of faculty members to follow the scientific knowledge and level of achievement for students.
- 3) Ascertain the degree of public discipline and draw up a plan for each student academic guidance, and at any level, thus ensuring a steady growth in the Educational.
- 4) Instill the principle of self-learning among students and the spirit of dealing with technology in teaching and learning process.
- 5) Aspects of the payment to the frustration at the failure because the student is directed away from his colleagues.
- 6) Evaluating student progress on an ongoing basis because each performance is under a teacher.

## 2.2. The Characteristics of the Project

The program here is perhaps the most important characteristics of the following:

- 1) provides work for more than one user by user name and password for Each student for Each student and on my own record their own [6].
- 2) allow the review of the questions that were asked for a particular user and also answers and also answer class health and at any time and in terms of user name and password.
- 3) timing has been done in descending amount of Each question and 20 seconds is enough time to read the user's question and answer without thinking of out sourcing [14].
- 4) been taken into account the abrupt closure of the program break power or loss of connectivity that the maintenance of the system and all the questions and answers and right answers Server on the server and start the next question after question that was asked of users and to take into account that the user has to separate the deliberate For not knowing the answer to a question [8].
- 5) provides the user know the health response immediately after each question and also the degree to which obtained, making it replace the teacher's question is correct feature supports automatic and immediate correction.
- 6) the program allows for users to test as possible and want to carry out an operation testing phases or sporadically [12].
- 7) the program by asking questions at random from a large database of millions of widening the questions And indiscriminate manner sensitive to the non-repetition.
- 8) allows the user to program the printing of the report and answer questions and correct answers and the degree to which obtained and that at any time after any number of questions.
- 9) controls used in the timeout between the previous question and the question is will the program by asking the following question only when the user is asked to do so.
- 10) easy to use program is used only to a user name and password and be ready to start the test [6].

## 3. Recommendations

Based on the results of this study researcher recommends the following:

1. Work to eliminate all the technical and human obstacles that stand to the spread of e-learning in our educational system at all levels, with the recognition of diplomas awarded through.
2. The need to train teachers to employ e-learning and use patterns, and assigned to provide some experience in this regard to training and education of those who had

no experience.

3. The establishment of special departments within the e-education departments and ministries of Education and Higher Education in Iraq, to begin the development of mechanisms to work for the implementation of e-learning in Iraq in the coming years.
4. To provide a greater number of computers in middle school to allow sufficient time for teachers, students and trained on how to implement e-learning.
5. Dealing with the pattern of e-learning vision and a clear and specific to the Ministry of Education and the need for recognition of its programs [10].
6. The attention of colleges of education and education quality that there should be devoted to the preparation of teachers e-learning.
7. Should raise the efficiency of the electronic networking through this type of education to interact successfully with students through e-learning networks and achieved the desired objectives.
8. Work on a computerized curriculum on CD and distributed to students as a textbook pre-circulated e-education system.
9. Initiating the creation of educational centers of e-learning in a variety of geographic areas in Iraq to include all the parts [13].
10. That the terms of enrollment and flexible electronic complex, so have the opportunity to the largest number of students to attend this program.
11. Provision of financial and material resources would all contribute to the achievement of the objectives of e-learning, including the possibilities: electronic networking, programs, computers, educational materials based on multimedia and advanced educational technology.
12. E-learning needs to further investment in the private sector and professionals in new programs.
13. The need for further research and development on the calendar and electronic tests and application [2].

## 4. The Proposed Research

- A. Examine the difficulties faced by students during their studies through e-education networks in various stages of education [12].
- B. Further studies on the evaluation of the experience of e-learning in all curricula.
- C. Conducting studies on how to provide and manage content across the networks in various stages of education.

## 5. Conclusion

There is no doubt that the school community play an important role to no longer consider them a source of knowledge but only to refine the student's personality all its aspects. School of the future play a more important role, holds a series of challenges in light of significant acceleration

of technological progress, the school can not cope with the developments only if they are dynamic programs, open-mindedness away from stagnation and insularity.

The term "school without walls" or "School of the Future" or "smart school" has been associated with the growing technological progress based on the techniques of computer and related programs and means of communication and magnetic cylinders containing various kinds of knowledge and information. With the expansion of the use of information technology through the electronic medium of communication tools and the widespread use of the Internet to access the contents of their files and information, the idea of the future Alookar school, which received wide acceptance in developed societies, followed by developing in an attempt to catch up and gain knowledge and mechanism in the new international order.

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