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### Smart impact of Schools the depth and speed of learning

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#### ABSTRACT

The purpose of this study was to investigate the influence of intelligent classroom and deepen student's learning speed. This analytical method and the method of data collection tools and library resources, articles and scientific sites are used. The results showed that the use of multimedia content in a wide range of senses of the students involved in the teaching and learning process is deepening. In other words, in addition to increasing the performance of various classes of applications due to the use of audio-visual senses to help students learn. The system allows students to move beyond their curricula and more emphasis on thinking skills and deep learning students. The intelligent interaction between students and teachers of the school, more intelligent, and this can lead to a higher share successful experiences between them. So schools by creating platforms for intelligent classes can take advantage of this training method used.

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#### Introduction

The main concern of the education system of the country, creating a framework for growth and development of the information society and knowledge-based intellectual capital is. For that all social groups are able to participate effectively in such a society, need continuous learning, creativity, innovation and active and constructive participation in society to learn. Achieving this will require new and redefine the role and function of schools as the main educational institutions in the community. The school education system in the country to require the use of ICT, it is possible online learning provided and new opportunities for individuals to experience life in the information society, the way in which these technologies not as a tool, but also in enabling infrastructure for education and vocational training is considered. In the process the widespread application of information and communication technology education, pedagogical approaches with the evolution of the world, regarding the formation of Smart Schools provided. Among the key needs of the school community, and development approaches Based Skills and Entrepreneurship students pursuing their knowledge. In these schools, the process of teaching - learning is reinforced and integrated interactive environment to improve key skills of students with an emphasis on group activities, in the era of knowledge-based is provided. Given the importance of this research is to study the impact of intelligent classroom learning is discussed in depth and speed.

#### Statement of problem:

Since the basic thrust of education in the country is currently a teacher, school update, technology update, a new creativity and the importance of the ability of students' education organization, is entailed by this change. The term smart schools recently in the literature Education has arrived and the valuable work in this area has been done sporadically. Ministry of Education, inspired by religious teachings and requirements and goals of higher education and educational justice, to define the structure, position, organization, terms and conditions of the development of smart schools based on academic standards,

international and is a native of the country. Hence, to achieve this, you need to double that among the main factors that can be hemmati Drshyvhy changing management training and education and training centers as well as the provision of infrastructure. Intelligent schools, a strategic move towards the vision system, the fundamental transformation of education and ICT Development Plan for Education and undeniable necessity to implement advanced management techniques and scientific and technological education at the current state of the education system architecture and implementation of the actions Tghyrsakhtar chemists increase productivity and time management for administrators, staff, teachers, students and parents of students will be also.

In the Many definitions have been smart about the school, including a school where the entire process, including the process of managing, monitoring, control, Daddy\_ learning, learning resources and teaching aids, evaluation, and office documents, communications and development principles, Based on information and communication technologies and to improve the educational system is designed to study the "smart" they say. The Smart School is a school of physical control and management, based on computer technology and networks where the Most of the content of the course evaluation and monitoring of intelligent electronic systems such school is an intelligent student, spending time on issues like sustainable development and the resources and capabilities of the Executive, and the point of the allows school officials to pay attention to the changes caused by the increase in the knowledge of the students, prepare them for new information. The Smart School is a school for learning and improvement of the environment for school managers, and the training students developed Pejouhandeh is. In other words, the smart school educational institution in the learning process and improve the management system for systematic reconstruction and training to prepare children for the information age it is a smart. So we need to change the current educational community and move toward smart training and education based on the needs and talents.

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**Developed information technology infrastructure:**

Smart school hardware, software, communications equipment and training is one of the main requirements should be based on the requirements and needs of the school building intelligent learning process develops. The Smart Schools maximum use should be made of existing infrastructure and hardware and software itself, not a means Hvshmdshdn school. Smart schools, infrastructure is important in improving the teaching-learning process more effective.

2. Multimedia content-based teaching and learning environment: The use of multimedia content and e-learning process, the main component of intelligent schools. Using a wide range of multimedia content in teaching students to engage the senses and deepen this process is the content of school-based curriculum is used by teachers in the teaching-learning process. Moreover, students in the learning of multimedia content for self-use.

3. School management system by computer: IT administrators can perform the tasks and responsibilities of schools in teaching and administrative help.

4. Empowerment of teachers in the field of IT: Smart school teachers must learn skills needed in the schools. Moreover, the use of graphics software skills are only part of smart schools. Teachers should be able to design your own the use of electronic content in the curriculum offered and the content of their writing. They should be e-skills curriculum design and selection of an appropriate curriculum content to.

5 . Computer integrated communication with other schools: Smart schools should have more interaction with each other and communicate with each other to share successful experiences and best deal Integrated communication, intelligent teachers can share their experience with others and put most of their experience with there. Sharing content and educational resources of the other pillars of smart schools.

**Intelligent background schools in the world and Iran:**

With the advent of computers makes the computer more than three decades of experience in many areas of social and individual applications are entered in the Nineties, In many countries, it is equipped with an even school- computer facilities were appropriate. The invention and development of computers, computer networks, and then followed the emergence of the Internet. The use of computers and computer networks for school work and practice, dating back to the twentieth century and the early 1960, the Internet in 1969 during the Cold War as the network grew, grew very fast. No one would have thought the information network in 2000, the 180 million users. Such that the velocity and acceleration of growth in 2003 amounted to about 500 million users. The rapid development of information technology, along with other factors such as the conversion of an industrial society to an information society, demographic changes, becoming more global professional activities, expand the range of the market in other words, the commercialization of the issues of education all and all, or a significant impact on the summary schedule was incomplete training in 1984. David Perkins and colleagues at the Harvard School of intelligent design as a new experience in education programs, using information technology Communication presented. The plan was gradually implemented in schools and somewhat later developed. Called the Smart Schools was founded in England in 1996 and then launched the Smart School project in the country of Malaysia in 1998, run income and a successful model, your experience could be transferred to other countries and Malaysia are in addition to France, Ireland, Egypt and Australia also have their smart schools.

In recent years, a range of other activities in the field of teaching and learning as well as academic, cultural, economic,

social, etc., the rapid development of technology and the emergence of phenomena such as satellites, computers, internet and so influenced and changed. Use of technology in education in the use of audio-visual aids such as slideshows and videos of classroom training dates. After that, the television as an educational media attention and national educational television Iran formally nationwide public education payment., After the arrival of the computer industry and the growing penetration of personal computers in different classes social and cultural activities in the field of computer-based training began more than ten years in this field, and this production is Ghazgrdydh educational CD.

In general, the second half of 1380 onwards, the approach to this issue more seriously and operational activities in the field of education and use of broadband Internet service to provide training courses around the country began to that the decisions of the Council of the Ministry of Education ICT in Smart School Pilot Tshyly1384-1383 was appointed to the Education Ministry in Tehran. The project steering committee ICT 4 schools in 4 districts of Tehran and the year after implementation of the pilot project was started at the school. For the project, the current situation of schools in terms of equipment and manpower were studied. School administrators also participated in numerous meetings were experts in the matter. Mobilization and networking internal units and production of electronic content, teacher education (English and skills ICDL) was performed.

According to the World Economic Forum the access of schools to the Internet, of the 142 countries in the ranking of 118. The classification countries, Iceland, Sweden, Estonia, Finland, the Netherlands, Singapore, Qatar, Denmark, Switzerland and South Korea with the highest score, the first lines of my own and that countries Burundi, Yemen, Angola, Chad Vhayty in Internet access in schools are the lowest level table. Also, China is ranked 28th most populous country in the world in this class to be allocated. The situation in the Middle East in terms of access to the Internet for schools, Qatar, UAE, Bahrain, and Iran is the index in the Middle East, Syria, located above. However, according to the website Internet World Stats, more than half of Internet users in the Middle East dedicated to Iran, but Iran has failed, however, in terms of progress in connecting schools to the Internet, proper position has been account the.

**The implementation of intelligent :****Benefits Intelligent schools:**

1. Increase the participation of relevant elements of the school system, especially parents, teachers and students and to provide more interaction with each other.
2. Students with electronic technology and increasing capabilities of individual students.
3. All-round development of students.
4. Diversification and out of uniform and traditional teaching methods.
5. Increasing efficiency in school work.
6. Students learn about the importance of time (how can in the shortest time, the demands and needs with the use of communication technologies, replied).
7. Continuity of the learning process for students outside of school.
8. Creating dynamic and attractive environment for the full flowering of talent and creativity of the individual and collective student and increasing the support and participation of parents and students interested in the learning process.
9. With the school teaching staff with learning new processes based on the needs of the knowledge base.

10. The software allows for storage of the material presented in class is that it tends to save time in the class is providing fast and convenient documents and files educational.
11. Create a favorable environment for continuous evaluation and development of appropriate and talented students.
12. Participation and willingness to provide space for students and teachers in teaching and learning processes.
13. Promote experiential learning, research and student-centered learning processes.
14. Development of cognitive skills, verbal, social, and professional students.
15. Formulation of development strategies smart schools.

#### **Intelligent barrier schools:**

1. The first and perhaps the greatest obstacle in the path of smart schools, cultural beliefs, especially the parents of the students. Still, due to decades of production technologies, culture, unfortunately it does not fit and there is a lot of resistance in this direction. Not many families to "computer" as a tool for their imaginative play and fun look and comfort when that child is sitting behind Myzmtalh Drsyash open books and start reading. These families looking to clarify the student's computer leads to distraction and therefore refrain from entering the house or in the use of electronic equipment to their children of these tools are stringency.
2. Unfortunately, the country is still very poor communication networks and maintain interactive online communication is not easy. Ordinary telephone lines, does not meet the educational needs of millions of children and disruption of this system reduces motivation in them.
3. Another obstacle to economic problems associated with the school culture is smart. Many families have problems that your computer system for providing at least one major obstacle on the path to success and this time more tangible smart schools that are thought Smart School is a national plan implementation of. Therefore, in this case deprived of family support to all students benefit equally from computer facilities.
4. The weakness of the students in the use of English. Despite the fact that English language training courses and high school curriculum, but unfortunately only students of English proficiency required for the use of spending not and with the high language training there is by no means the applications, so high school students only Persian sites have the ability to use and access to resources, lack of foreign scientific background.
5. The high number of students in the class, teachers work overload and lack of time in weeks, rather than the traditional method helps schools to continue their education.
6. In order to secure respect for traditional education, evaluation of students answering questions is predetermined. Pay tribute to the spirit of research and knowledge production has no place in the educational system, and therefore the implementation of these projects will be faced with many problems.
7. The physical structure of most schools in the country, traditional and conventional equipment and the intelligent use of these schools, we need to spend a lot of time and budget.
8. Teachers lack familiarity with educational resources and technologies and methods for their use.
9. Intelligent systems in schools, and in accordance with standard software requires strong language textbooks and creating databases that require research and local programs, there seems to be peddling its full potential in the country's education system has not been .

#### **Requirements intelligent schools:**

1. A device for each classroom projectors (Inter Active) with a screen or a smart board.
2. PC to the required numbers.

3. Equipment Active / Passive network.
4. High Speed Internet.
5. The school website.
6. Multimedia educational software.
7. The school automation software.
8. Other software applications.

#### **Influence the deepening class intelligent and fast learning:**

The most important features of the smart school students to think independently and express their creativity, their ability to work and space are the dominant cause of the use of the capabilities of teachers, teachers, and the school Education Owlia order to strengthen the field of learning providing an incentive and willingness to provide the students. In addition to increasing the efficiency of the smart school classes, using various clips and software training helps students to learn because in addition to the auditory, visual aspect as it rushes to the aid of (Habibie, 1392). Smart school students in teaching and learning to play the role. The school curriculum is not restrictive, and the students are allowed to move beyond their lesson plans. The school's student-centered teaching method is based on. Emphasis on thinking skills and providing a learning environment of the school is smart strategies and policies.

Intelligent computer in the school curriculum to teach and evaluate the impact of some changes. Also replace the blackboard and computer CD homework office takes place. Through the Internet, students can obtain much information about any topic you want. In this system, both teacher and student production of electronic content and lessons are offered on a CD. The schools are not limited to teachers and students to learn fundamental role in scientific discussions. Teachers using an electronic curriculum leading to a better understanding of the course and will save time. And students have the opportunity to reveal their ability to produce their own content. Success is achievable and the amount of effort students and proper guidance and direction dependent. In this way the spirit of the search, the student will be replaced by the spirit of sport and a key element of any changes, changes in thinking and the tools and resources to cover only a means to materialize their ideas. Students learn a lot of information to process and use this information to learn more. Students can even world literature, teachers and other school children to communicate. Seven key principles of smart schools include: 1) creative knowledge 2) learning capacity 3) According to the understanding 4) with the goal of mastery learning and transfer 5) evaluation of learning to focus 6) Overcoming problems 7) school as an educational organizations. Studies show that training by learning the grammar and structure of English sentences into smart, Increase the students' understanding of the material in English, learn English vocabulary, improve writing skills in English and a second language students in collaborative learning is effective And to learn the language lessons in all basic and intermediate and secondary schools and even into the intelligent use of cooperative learning Better to be smart as well as the patterns of teaching-learning and research done into the

In a separate program for gifted students are taught (Karimi, 1391).

#### **The purpose of this study:**

This study aimed to assess the impact of intelligent classroom and deepen student learning is fast.

#### **Research question?**

Do intelligent classroom and deepen student learning speed impact?

#### **Methods:**

The research method was descriptive-analytic study and library.

**Tools and methods of data collection:**

The research library of tools and resources, scientific journals and websites have been used to collect data.

**Findings:**

In this system, students, parents and teachers and school staff engage in continuous, dynamic, the programs will benefit the students with proficiency in all subjects And receive feedback on the progress, strengths and weaknesses, as well as recognize and assist system trying to fix it. In general it can be said with regard to the results of intelligent classroom and deepen student learning is effective immediately.

**Conclusion:**

The study was based on what was said to be intelligent classroom, requires change in the education system of the country. In other words, start smart schools will not be possible unless the structure of the education system. This changes the context of long-term planning involved infrastructure Nyazkh, the content of right, training teacher's culture parent's educational alteration methods create and this must be done step by step and with the wisdom and thinking. The new e-learning system benefits and advantages unique to individuals, organizations and educational institutions has. In the past, conventional training methods, classes were held in the priority class with instructor training. With the advent of the Internet, e-learning and will expand the scope of training was to share knowledge and information. The intelligent classroom instruction and assessment Tasyrzyady computer can affect the way the curriculum is changing to some extent.

**Solutions and offers:**

According to the results, the following suggestions are offered:

1. Create the required fields, including communication infrastructure, appropriate content, teacher training, teaching methods and culture of their parents.
2. The creation and development of computer hardware, software, communications equipment and training on the requirements and needs of the teaching-learning process in schools.
3. Training teachers to become familiar with educational resources and technologies and methods of their use.
4. Create a spirit of research and evaluation of students' knowledge in the educational system.
5. The use of e-learning training to students and their dominance into new software.
6. Reduce the number of students in the class and teacher workload per week.
7. Increase funding and funding for all schools and classrooms equipped with smart boards.

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