

Virtual space methods on student learning Malek Ahmad Kord

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Abstract

The purpose of this research is to investigate the methods of virtual space on students' learning. The method of this research is a review (library) type. Virtual space is known as an effective and efficient educational tool for students' learning. This article examines different methods of using virtual space in learning. By using virtual space, students can access various educational resources. These resources include educational videos, podcasts, e-books, and specialized articles. Using virtual space, students can learn online at any time that suits them. This possibility allows them to choose the best time for learning according to their individual and time conditions. The research results indicate that the use of virtual space in learning can be a powerful tool for improving and developing the skills and knowledge of students. However, for the effective use of this space, proper guidance and supervision is needed from coaches, teachers and parents.

Keywords: virtual space, learning, students

Introduction

Virtual space as an educational and educational space has provided many facilities and opportunities for students. Due to the dynamic and growing trend of virtual space, students can update their knowledge in various fields including science, mathematics, literature and information technology. One of the great advantages of virtual space for learning is the ability to access high-quality and extensive educational resources. Students can access various resources through websites, blogs, educational videos and educational software and learn in any environment with access to the Internet (Alinejad, ۱۴۰۲).

Also, virtual space has provided an environment for interactions between students and teachers. Using e-mail, chat, video conferencing and messengers, students can answer their questions and communicate with their instructors. However, there are some concerns that cyberspace may cause students to lose focus and attention. In addition, false and false information can also be spread in cyberspace, which may cause mistakes in students' learning. Therefore, in the end, the impact of virtual space on students' learning depends on students, parents and teachers. Appropriate and intelligent use of this space according to students' learning needs can help improve and accelerate their learning.

Due to the great progress of virtual space in recent decades, its impact on students' learning has been discussed a lot. One of the most positive effects of virtual space on students' learning is easy access to educational and educational resources through the Internet. By connecting to the virtual space, students can quickly access new information and examine each topic in more depth (Fakirdoost, ۱۴۰۲).

In addition, virtual space provides an environment for sharing experiences and knowledge among students. This allows students to learn from each other's experiences and benefit from each other's opinions. This exchange of knowledge and experience provides a suitable opportunity to develop communication skills as well as the intellectual development of students (Esmaeilzadeh Daryakanari, ۱۴۰۲).

Although virtual space has positive effects on learning, it can also have some negative effects. One of these negative effects is the loss of concentration and the tendency to be distracted from lessons and educational activities for unrelated activities in cyberspace. Also, students may engage in incorrect learning or promotion of incorrect information due to incorrect and incomplete information available online. Finally, as you can see, cyberspace provides both challenges and opportunities for student learning. In order to optimally use these opportunities and reduce the negative effects, the influence of teachers and parents on the correct use of virtual space is important (Nick Siret, ۱۴۰۲).

In a research by Esmaeilzadeh Daryakanari, Hasan, ۱۴۰۲, under the title of examining the positive and negative effects of virtual space on students' learning, the results showed that in the current world, virtual space is a troublesome refuge for children, teenagers and young people, while showing them a good side. It shows that there are thousands of threats in its myriad corridors. Although cyberspace has scientific opportunities and social connections, but the excessive use of cyberspace by students and young people has led to their isolation. This false and ephemeral visual identity It creates unreality for people and leads to people trying to be more present in social networks. Students roaming freely in the cyber space is considered a pest for the education system in a way that worries the family. managers and teachers because of not using this space properly.

In another research by Zare Chahoki, Elham, ۱۴۰۲, titled Learning Virtual Space in Iranian Schools, the results show that the penetration of social networks such as "Facebook, Viber, WhatsApp, Line, Telegram" is a serious harm that should be considered more than in the past. among the students. After collecting information and analyzing it with the method of familiarizing students and parents with the advantages and disadvantages of using virtual space and social networks, and then teaching parents and teachers the correct way of dealing with them And monitoring the students in the virtual space, I was able to reduce its damage in the students.

Research Methodology

This research is written in the form of a review, which has been collected from various internal sites and articles such as Sid and Siolika, Normagz and Mogiran, and some artificial intelligence, etc.

Definition of virtual (electronic) education

It is to provide the educational content and experiences of the instructor to the learners so that these people can benefit from this type of education anywhere in the world. Definitions of virtual education from the point of view of different experts:

Howard Block: Virtual education is about learning through the Internet.

Elliott: Virtual (electronic) education uses the power of the network for those who rely on Internet technologies that enable them to learn while working with the network. Virtual education is an online learning that can include content delivery in several forms, educational management and a networked set of students and a number of developers and expert experts, also virtual education makes learning faster and at a lower cost. In addition, it provides access to education for everyone and everyone's participation in the learning process.

Virtual education system

The virtual education system is a system through which scholars and professors can do all things related to education and training without being physically present in the classroom. Such a system actually means that scholars and professors can attend the classroom and use educational facilities without being limited to a specific time or place. Every scholar registers through the Internet and attends the classroom and takes his exams in the virtual school and is informed of their results. At any time and in any place, he can communicate with his teacher or use the archive of exam questions and classes held (Valaitifar et al., ۱۴۰۲).

Virtual education in Iran

Human resource development programs are one of the most important challenges for governments in establishing comprehensive systems based on information and communication technology. As communication and information technology has been complementary to the re-creation of organizations in many of their daily work processes, examples of which include e-banking, e-commerce, e-mail, e-government, etc., the field of e-learning or e-education, It is the promise of the implementation of seemingly unattainable ideals until two decades ago. Eliminating the time, place and age limitations of the learner's education, which have been considered far-fetched ideals, no longer seem like great limitations. On the other hand, the extensive skill needs of knowledge-oriented and information technology-based societies cannot be met by continuing to use the traditional methods of the educational system. Although the traditional education system also has features that ignoring those features reduces the effectiveness of learning and causes many anomalies. In this regard, and considering the importance of electronic education in the modern educational system, many universities in Iran have tried to lay the foundation and plan in order to realize this importance. Since the implementation of projects such as e-learning requires access to relevant facilities and a comprehensive perspective in various fields of this type of educational system, gathering information and awareness in this matter is very important. For this purpose, study and research activities and providing implementation preparations were placed on the agenda of these universities. In addition to these activities, conducting comparative studies and examining the progress and development of electronic education in order to examine suitable implementation solutions were considered. Finally, after examining the process of progress and development of electronic education, appropriate implementation solutions were considered. Finally, after the realization of part of the predicted goals and based on the results obtained and with the discretion of the officials and stakeholders of these universities, the necessary plans were made to realize the next goals in this field, in this regard, the launch of The portal of electronic education was implemented (Qurbani et al., ۱۴۰۱).

In Iran, Shiraz University, according to its claim, as the first university in the country, has succeeded in officially starting this type of academic course. In this type of education, the main educational activities such as registration, choosing the unit to receive course materials, negotiating with the professor through the computer network, and in some cases troubleshooting classes and some laboratory classes are conducted face-to-face but with appropriate timing. will be

Currently, other universities such as Khawaja Nasir University, Amir Kabir University of Science and Technology, Science and Hadith University, and Electronic University of Azad University are accepting students virtually in various fields. Therefore, considering the good growth of virtual education in Iran, as well as the increasing number of universities that are willing to provide distance education services, it is considered that good steps have been taken in this field and it seems that in the future Not so far, we will see the provision of distance education services by most universities in the country.

Virtual space has increasingly had a significant impact on the learning process of students. Below I will examine the important effects of cyberspace on student learning:

1. Access to educational resources: virtual space provides easy and extensive access to educational resources. Students can access a variety of resources through the Internet, including videos, e-books, educational websites, and online courses. This possibility allows students to study and learn independently at any time.
2. Communication and cooperation: virtual space allows students to communicate with classmates and teachers. They can participate in online study groups, share their ideas with others, and collaborate on joint projects and tasks. These interactions can help increase students' social interactions and communication abilities.
3. Variety of learning methods: virtual space provides the possibility of using a variety of methods, including videos, educational games, online tests and educational software. This diversity in learning methods allows students to learn in a way that suits them best and actively participate in the learning process.
4. Stimulation of creative thinking: Cyberspace provides environments where students can be creative and express their ideas. This possibility stimulates creative thinking and innovation in students and encourages them to autonomously and creatively look at learning problems and provide different solutions.
5. Challenging learning: cyberspace can act as a challenging platform for learning. Online educational programs and games can provide students with exciting and challenging educational activities and motivate them to learn more.

However, it should be noted that correct and balanced use of virtual space is essential in the learning process. Also, it is important for parents and teachers to monitor and control the activities of students in cyberspace.

Methods of using virtual space for students' learning

1. Online educational resources: Students can learn through websites, online educational platforms, and various educational resources such as educational videos, e-books, and educational articles.
2. Doing online exercises: Some platforms and software allow students to provide online exercises and instant feedback. This method helps students to strengthen their skills and knowledge in different areas.
3. Virtual classes and video conferencing: Using video conferencing software and tools, schools and teachers can hold virtual classes and give students an opportunity to study remotely and communicate with their teachers and classmates.
4. Create online learning forums: Students can participate in online learning forums and discuss their learning topics with others. This method provides the possibility of communication and learning from the experiences of others.
5. Educational applications: The existence of educational applications for students provides the possibility of interactive and fun learning. These applications usually teach students the lesson concepts by using games and interactive activities.

In general, intelligent and balanced use of virtual space can improve and facilitate students' learning. Also, the role of teachers and parents in guiding and monitoring the learning process of students online is very valuable.

Information, technology, education

Wealth, power and knowledge have long been among the most important factors in changing social and cultural relations. In the third world, knowledge is especially the cheapest tool that people can use to change the social and economic conditions of their children. In a society based on knowledge, wealth and power are also manifested in knowledge; Therefore, knowledge is considered the most important tool for changing social, economic, cultural, political and economic relations. In the world of information and communication, knowledge is the main commodity that is exchanged in the market and is considered a source of value. It seems that just as the growth and progress of human beings in various sciences and knowledge has led to the development of their ability to produce new technologies, the development of technologies has also helped the growth and development of knowledge and information, the existing weaknesses and problems In the expansion of knowledge and information, they are directly related to the deficiencies caused by the lack of proper development of information and communication technologies. The information society is a society with the information services of the mass media, which moves at a faster pace than other societies and by mastering the experimental reserves and pure knowledge; A society in which communication is the real transfer agent for creating change and transformation in each person in order to achieve practical access to limitless information, and in which communication and the global information network have replaced global telephone communication and the production of information values is the determining factor. It is a factor in the development of society.

Conclusion

Using virtual space in students' learning has many advantages and benefits. These methods allow students to learn independently at any time by using online educational resources, doing online exercises, participating in virtual classes, and creating online educational communities.

In addition, the use of educational applications and interactive activities in virtual space increases the interest and interaction of students. Also, the possibility of communicating and exchanging opinions with teachers and classmates in virtual space gives students an opportunity to benefit from other people's experiences.

However, for effective use of virtual space in learning, guidance and supervision of teachers and parents is needed. They can guide students in choosing appropriate educational resources and accompany them in the online learning process.

In general, the use of virtual space in students' learning provides new possibilities and more educational opportunities and can help improve the quality and effectiveness of the learning process. By using virtual space, students can access various educational resources and information. These resources include educational videos, podcasts, e-books, specialized articles, and more. Using virtual space, students can learn online at any time that suits them. This possibility allows them to choose the best time for learning according to their individual and time conditions. Using online learning tools and platforms, students can interact with their teachers and classmates around the world. This allows them to share their opinions and experiences with others and take advantage of online interactions. In the virtual space, some platforms and software provide the possibility of providing immediate feedback to students. This feedback helps them to evaluate their performance and make necessary corrections if needed. The use of virtual space can help students to improve their independent learning skills. They can experience self-learning by using online educational resources and take more responsibility in their learning process. Using virtual space in learning can be a powerful tool to improve and develop students' skills and knowledge. However, for the effective use of this space, proper guidance and supervision is needed from coaches, teachers and parents.

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