

EDUCATION AND MODERN TECHNOLOGIES, THEIR POSITIVE AND NEGATIVE IMPACT

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ABSTRACT

This research demonstrates both the beneficial and bad effects that technology and other modern advances have had on the discipline of lexicography and the process of creating dictionaries. The study compares and contrasts paper dictionaries, electronic dictionaries, and internet dictionaries in a manner that is objective. The researchers conducted interviews with a variety of customers and asked them questions regarding the benefits and drawbacks associated with using these dictionaries. The results of this study demonstrate that the process by which dictionaries are compiled is both positively and adversely impacted by advances in technology and inventiveness. It is also discovered that each of the three distinct kinds of dictionaries has its own set of benefits as well as drawbacks. The research argues that we should benefit in a good way from the transformation brought about by machines and the internet in order to grow our dictionaries. It draws the conclusion that the perfect dictionary is the one that satisfies the requirements and expectations of the user. According to the findings of the research, the dictionary continues to be an instrument that is necessary for every user.

keywords: *Education, Technologies,*

Introduction

The influence of technology can be observed and felt in every conceivable subject, and education is one of those fields. When technology is used to its full potential, the dissemination of information is made not only much simpler and more practical but also more efficient. Students have the ability to improve their learning by utilizing a variety of tools, including the internet, projectors, and other assistance. Students are more likely to engage in critical thinking when they are presented with thought-provoking pictures as opposed to simply reading text. Projectors installed in educational institutions like schools and colleges have the potential to significantly boost both engagement and interest. The level of support for this idea is steadily growing, which bodes well for its future prospects.

OBJECTIVES OF STUDY:

1. to determine that the majority of individuals engage in real-time communication through the use of various technologies.
2. To get an understanding of the good effects that technology have.

Modern technology in education

According to the most recent viewpoints on the particular ways in which contemporary students today choose to use technology and the ways in which their learning is impacted if they use technology, it has been shown that the use of modern equipment technology and software, the learning and interaction of students is rising.

This discovery was made based on the newest perspectives on how modern students choose to use technology. They frequently report that, with the assistance of technology, it is much more engaging, as well as full of exciting places. The exchange of information is really uncomplicated and effortless, not to mention effective. When it comes to education, what this implies is that, when assisted by the use of modern technology, our minds now seem to operate better in each element of life that it is possible to think of; we are talking about education here. Even at schools, universities, and colleges, the dependency and dependence on such innovation, which just makes life a simple and smooth trip, is totally inescapable in today's society. This innovation simply makes life a simpler and smoother journey. The following is a list of the ways in which students of today will utilize various forms of technology: connectivity to the internet and communication available continuously. The value of the internet has multiplied by several orders of magnitude during the past decade. It is currently impossible to undermine the significance that it holds in the sphere of education. In spite of the potential for identity theft and other problems, having access to the internet is almost like receiving a present for students. The internet is something that can be found in virtually all of the things we use today. The internet can be found virtually anywhere, from our televisions and gaming consoles to our mobile devices and even our phones. Students are able to discover a great deal of comfort via the utilization of the internet, where they can also locate a variety of forms of aid, tutorials, and other forms of support material that might be employed to boost and improve their understanding academically.

Internet connection and round the clock connectivity

It is impossible to overstate the significance that the internet plays in the field of education. Students are fortunate to have access to the internet, despite the fact that it presents certain risks and some disadvantages. Students have access to a variety of different types of aid, including tutorials and other types of helping material that may be utilized to improve and enhance the learning that they do.

Using projectors and visuals

Another excellent application of technology is the use of visual aids and projectors to improve educational outcomes. Excelling academic institutions all around the world rely heavily on the utilization of captivating PowerPoint presentations and projections. Instead of merely reading, students like to be presented with thought-provoking questions and visually interesting content to look at.

Digital footprint in the education sector

Students now have access to, and will continue to have access to an increasing number of resources that support their growth and education as digital technology continues to advance. As a consequence of this penetration, there is now constant contact with students, as well as a variety of forums that are readily available for various types of tasks or assistance.

Online degrees with the use of technology

People have a strong interest in obtaining knowledge and credentials through the completion of online courses. The most prestigious educational institutions often offer excellent online degree programs. This is an idea that, as long as it continues to garner support and attention, will continue to develop and advance. Students who are interested in painting are more likely to be familiar with the online diploma state of affairs.

Importance of technology in education

The purpose of technology in the field of education can be broken down into four distinct categories: as a component of the curriculum; as a method of delivering content; as a way of providing support for existing structures; and additionally, as an instrument to embellish the overall learning process. Because of the advancements in technology, teaching methods have long since shifted from being passive and reactive to participatory and offensive.

Factors affecting technology in education

Jung discusses the significant challenge that today's educators face in our culture as a direct result of the fast development of new technologies. According to Gressard and Loyd (1985), one of the most important challenges associated with the incorporation of information and communications technology (ICT) in educational settings is how teachers feel about using computers. Using Butler and Sellbom (2002) as an example, another obstacle that is presented is dependability.

The following factors are the ones that are most frequently mentioned as obstacles::

- lack of time
- lack of access;
- lack of resources;
- lack of expertise and
- lack of support.

Impact of ICT on education

In the context of education, information and communication technology offers the potential to expand access to education while also improving both its relevance and quality. According to Tania (2002), information and communications technology has a significant impact on training in terms of the acquisition and absorption of knowledge by both instructors and students. This is accomplished through the promotion of the following factors:

Active learning:

Active learning, as opposed to rote memory or learning by rote, is being taught to college students as a means of utilizing computers and other teaching aids in a manner that is most conducive to active learning. Students are able to select what they wish to investigate at their own pace and work on it at their own pace thanks to the availability of ICTs.

Collaborative and Cooperative learning:

In addition to developing an international perspective, students can improve their conversational talents with the use of ICT. In addition to this, it puts pupils in the position of potentially interacting with people of other cultural backgrounds. In most cases, researchers found that the use of ICT led to an increase in the number of newcomers who worked together, as well as an increase in the number of students and teachers who interacted with one another.

Creative Learning:

ICT encourages the manipulation of already available information and the development of an individual's very own know-how in order to provide a concrete product or a specific educational goal. Integrated learning: Information and communication technology (ICT) encourages an integrated style of teaching and obtaining information by doing away with the artificial division between concept and practice. This is in contrast to the conventional classroom setting, in which attention is placed solely on a single subject or topic.

Evaluative learning:

Students are able to explore and learn through new techniques of coaching and masterminding that are supported with the assistance of constructivist theories thanks to the advancements in information and communications technology (ICT).

Impact of ICT on Education

The use of information and communications technology has the potential to increase educational opportunities, as well as the field's significance and effectiveness. According to Tinio (2002), information and communication technologies have a significant impact on education since they promote the acquisition and assimilation of knowledge on the part of instructors as well as pupils.

Active learning: All of the information and communication technology resources have been digitized and are now easily accessible for research. This is done to facilitate the assessment, measurement, and review of the information and knowledge that students have accumulated for their results report. Learners may pick what they want to study at their own pace and work on the problems that arise in real-life circumstances while using ICT, which stimulates interaction among learners as comparison to learning focused on memory or repetition.

Learning through collaboration and cooperation: The use of information and communication technology (ICT) makes it easier for students to work together, regardless of how far apart they are. Students are provided with the chance to work in communities comprised of people hailing from a variety of different backgrounds and to collaborate with one another. As a result, students are provided with the opportunity to enhance their communicative skills as well as their global awareness. Researchers have discovered that the use of information and communication technologies (ICT) typically leads to an increase in the amount of collaboration that takes place between students both within and outside of the classroom, as well as a more interactive interaction between students and professors (Grégoire et al., 1996). "Collaboration is a philosophy of interaction and personal lifestyle in which individuals are responsible for their actions, including learning, and respect the abilities and contributions of their peers" (Panitz, 1996). This quote is from the book "Collaboration: A Philosophy of Interaction and Personal Lifestyle."

ICT makes it easier to manipulate already-existing material and to acquire one's own knowledge, which may then be used to create a physical product or to accomplish a specific educational objective. This type of learning is known as creative learning.

Integrative learning: Information and communication technology (ICT) fosters an integrative approach to teaching and learning by removing, unlike in the traditional classroom setting, the synthetic divide between theory and practice, where attention comprises just a certain component. This makes possible an integrative approach to teaching and learning.

Evaluative learning: The student-centered use of information and communication technologies (ICT) for the purpose of education provides useful feedback through a variety of interactive elements. Rather of relying

on memory and rote learning, learners are able to explore and learn through new forms of teaching and learning that are supported by constructivist learning theories thanks to advances in information and communication technology (ICT).

POSITIVE IMPACT:

Enhanced Teaching and Learning:

Many recent technological developments, such as virtual cameras, projectors, mind training software programs, computers, Power Point presentations, and 3-D visualization tools; many of these have emerged as fantastic resources for teachers to aid pupils in easily comprehending a subject. College students need to be made aware that the visual rationalization of ideas might turn studying into an activity that is both humorous and enjoyable for them. They have the ability to participate more actively in the classroom, giving teachers the opportunity to make their lessons more dynamic and engaging for the students.

Globalization:

College students can "meet" their counterparts from other schools in the kingdom through video conferencing without having to leave the classroom if their institution is located in certain parts of the kingdom. Students in higher education can study a foreign language online with the assistance of certain websites.

No Geographical Limitations:

Because of the proliferation of online degree programs, there is almost never any requirement to actually be present in the classroom. Even some institutions located in other countries have started offering online degree publications that students may participate in. Learning at a distance and receiving an education online have become extremely important components of the current educational system.

NEGATIVE IMPACT:

Declining Writing Skills:

The young people of today are notorious for taking short cuts and engaging in excessive internet talking, both of which have contributed to a precipitous drop in their writing skills. Children of today are becoming so reliant on various forms of electronic communication that they have entirely forgotten about the need of developing their writing abilities. They are unable to correctly spell a variety of words, nor are they aware of how to make effective use of grammar, nor are they able to write in cursive.

Cheating Increasing Incidents of:

The use of graphical calculators, high-tech watches, small cameras, and other similar systems, together with other similar technological developments, have become fantastic sources for tests. Students have a lower risk of getting detected if they use graphing calculators to scribble down calculations and take notes since it is simpler for them to do so and the device is less likely to be seen.

Lack of Focus:

Text messaging, also known as short message service (SMS), has emerged as a popular activity for many students. Students are spotted gambling with their mobile devices, such as their cell phones and iPhones, at

all hours of the day and night, as well as on a frequent basis, even in the middle of class. Teachers and students are suffering from a loss of attention and concentration as a direct result of their constant connection to the internet world. even in the realm of athletics and recreational activities, to a certain extent

Advantages:

The act of analyzing becomes more exciting for college students as a result. Help college students manage their hectic schedules while still giving them the flexibility to work from home whenever they choose. Students should be given the opportunity to acquire new skills that they may subsequently put to use in their working environments. Reduce the costs of paper and photocopying while simultaneously promoting the idea of a "inexperienced revolution."

Disadvantages:

1. A great number of authorities and knowledgeable people are of the opinion that, as a result of such an age in education, kids' creativeness is harmed, and their capacity for wondering is lowered.
2. From the perspective of instructors, it can also be a time-consuming endeavor at times.
3. The investment of such a generation is not without its costs.
4. When used over the recommended limit, there is also a possibility of health complications.
5. It is possible that some pupils do not have sufficient funds to purchase cutting-edge computer technology.

CONCLUSIONS

Education can benefit from technology in certain ways, but it also runs the risk of being negatively affected by it in other ways. It is important for educators and students to view this development in a constructive perspective and work together to eliminate the barriers that prevent many kids and schools from reaching their full potential. As a result, the time has come for every nation that will exist in the future to implement an education system that is better equipped for technological advances. Technology is pervasive inside the educational institution, and it will eventually displace many traditional teaching methods. Technology has an influence on student success in a variety of ways, both positive and negative. Calculators, laptops, and various types of software are just a few of the many classroom devices that may either encourage or discourage a student's desire to put in effort while they are there. The use of various forms of technology to facilitate student learning can be an improvement in that learning, but it can also be a crutch that hinders a student's mastery of fundamental abilities. The primary purpose of our nation's educational system is to instill in each and every student an insatiable thirst for knowledge as well as the skills necessary to become expert learners. It's possible that using technology will help you accomplish your goal. During the lesson on Solving Systems of Equations in this urban eighth grade math class, the graphing calculator served as a tool that was employed as a technique to boost student accomplishment as well as student enthusiasm in working on the assigned tasks. It is time for all of us to work together to usher in an education system that is more technologically sophisticated in the future. Technology has a hugely positive impact on education, but it also has the potential to bring about certain unintended consequences. Both the instructors and the pupils have a responsibility to make the most of this wonderful light while minimizing its negative effects.

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