



Study of Education and modern technologies, their positive and negative impact

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Abstract

Technology has both beneficial and bad effects on the area of lexicography and dictionary creation, as shown in this study. An impartial comparison of paper, electronic, and online dictionaries is made in the study, which is published in a scientific journal. The researchers spoke with a variety of dictionary users to get their take on the pros and cons of these resources. Inventions and new technology have a beneficial and detrimental impact on the process of building dictionaries, according to this research. It also discovers that there are advantages and disadvantages to using a dictionary from each of the three categories. The research recommends taking use of the machine and internet revolution in order to extend our dictionaries. In the end, the best dictionary is the one that caters to the wants and requirements of the average user. The study shows that the dictionary remains an essential tool for every user.

Key Words: Education, Modern Technology, Teaching

Introduction

There is also a belief that the 21st century is an era of technology. In today's world, technology plays a crucial part in every aspect of our life. It is seen as the bedrock upon which a developing economy may build. In today's world, an economy that lacks technical advancement is doomed to stagnation. This is due to the fact that technology streamlines and shortens many aspects of our workdays. The impact of technology may be seen in just about all area of life. Education is a good example of this. Today's students will utilise technology in the following ways: Internet and phone services are accessible around the clock, seven days a week. This last decade has seen the internet's value grow by many orders of magnitude. Because of this, its importance in the field of education cannot be disputed. Internet access is a blessing for students, despite the dangers and downsides that come with it. The internet has become a part of our daily lives in almost every way possible. Our phones, gaming systems, and televisions all have internet access. Students may find a wealth of educational resources, such as tutorials and other forms of assistance, on the internet.

Modern technology in Education

According to the most recent viewpoints on how particularly current students today choose to use technology and how their learning has an influence if they use technology, it has been reported that students are increasingly using modern equipment technology and software, learning and interaction. They frequently find it much more interesting and full of exciting topics when supported by technology. As a result, information exchange is both simple and efficient. What this implies is that our brains now





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appear to function better when assisted by the usage of modern technologies in any element of our lives, we're referring to schooling here. These days, it is impossible to resist the reliance on cutting-edge technology, which makes life easier and more enjoyable in the process. In the future, students will utilise technology in the following ways: – The ability to connect to the internet and communicate at any time. The internet's worth has multiplied several times during the last decade. Its educational significance can no longer be questioned. Internet access is like a gift to students when one considers the risks and drawbacks of using it. Nowadays, the internet can be found in practically everything we do. Our phones, televisions, and gaming consoles are all connected to the internet. Students may find a great deal of comfort in the usage of the internet, as they can access a wide range of guidance, tutorials, and other resources that can help them improve their academic performance.

- Using projectors and images to convey information
- The Educational Sector's Digital Footprint
- Technology-enabled online degrees

Importance of technology in Education

Four ways technology is employed in education: as a technique of teaching, as a means of supporting instructions, and as a means of improving the overall learning process.. Technology has transformed education from passive and reactive to interactive and aggressive. The importance of education in both the workplace and academia is undeniable. In the first case, education or preparation is employed to assist personnel perform better than before. Students are encouraged to develop an interest in the subject matter via education. In both cases, students will benefit from the use of technology to better comprehend and retain information.

Factors affecting technology in Education

Because of the increasing spread of consciousness, Jung discusses teachers' great difficulty in our culture today. Educators may now learn how to incorporate new technology into their lesson plans thanks to technological advancements. As a result of these new innovations, students' training demands are increasing. Teachers' attitudes toward computers have a significant role in the success of ICT in education. They discovered that instructors' views toward computers were not always positive, and that this was a contributing factor in the failure of computer-based programmes.

In addition, some of the most often stated hurdles include:

- A scarcity of time,
- There is a lack of accessibility;
- A scarcity of funds;
- a scarcity of knowledge and
- A lack of encouragement.

Impact of ICT on Education

ICT has the potential to broaden educational opportunity while also elevating its status and efficacy as a teaching and learning tool. Technology has a significant impact on education by encouraging instructors and students alike to acquire and retain knowledge.

- **Active learning:**

There are a wide range of computerised tools accessible for students to use in their evaluations and even in the reporting of their grades. Instead of rote or memorization-based learning, ICT promotes student involvement by allowing students to pick and select what they want to study at their own pace and work on real-world problems.

- **Collaboration and cooperation:**





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It doesn't matter how far apart students are; ICT helps them interact and collaborate, regardless of their distance. Additionally, it provides students with the chance to work with individuals from a wide range of backgrounds and cultures, enabling them to build their communication and global awareness skills while doing so. Using ICT has been linked to increased collaboration among students both inside and outside of school, as well as improved communication between students and instructors. Individuals are accountable for their actions, as well as learning and respecting the talents and contributions of their peers, in a collaborative environment. An educational aim or product may be created by the manipulation of existing information and the growth of one's own expertise, which is made possible by ICT.

- **Interdisciplinary education:**

By eliminating the synthetic divide between theory and practise in the normal classroom, ICT fosters an integrated approach to teaching and learning.

- **Critical thinking:**

Students may benefit from a variety of interactive elements while using ICT for learning. ICT aids students in exploring and learning via innovative forms of teaching and learning that are based on constructivist learning theories rather than memorization and rote learning by students.

Positive impact

- **Teaching and Learning: Improved**

Digital cameras, projectors, brain training software, laptops, PowerPoint presentations, and 3D visualisation tools are just a few of the tools that instructors may use to assist their pupils better understand complex concepts. It is important to remember that pupils learn better when topics are explained visually. They're able to engage more actively in class, which benefits both students and instructors alike.

- **Globalization:**

Students in various sections of the state may "meet" one other through video conferencing without having to leave their respective classrooms. In order to assist students study foreign languages online, certain services such as www.gloviso.com link groups of students with teachers from various countries.

- **Absence of Regional Restriction:**

In today's world of online degree programmes, there is no need for students to be present in the classroom in order to complete their studies. Students may now enrol in online degree programmes offered by various overseas colleges as well. One of the most significant aspects of our educational system nowadays is online and distance learning.

Negative impact

- **Inadequate Writing Ability:**

Due to the widespread use of internet chatting and shortcuts, the writing abilities of today's young population have considerably worsened. Nowadays, kids are so reliant on digital communication that they have entirely forgotten to work on their writing abilities. In addition to their lack of knowledge of spelling and grammar, they also lack the ability to write in cursive.

- **The number of cheating incidents is on the rise.**

Graphing calculators, high-tech watches, small cameras, and other gadgets have made it easier for students to cheat on tests. Graphing calculators make it easy for students to jot down formulae and notes, with less possibilities of getting discovered.

- **Distraction:**





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Many college students like sending and receiving text messages. It is not uncommon to find students fiddling with their mobile phones or I Phones at all hours of the day or night, while driving, or even in between classes. Students' inability to concentrate on schoolwork and extracurricular activities has been exacerbated by their constant access to the internet world.

Advantages

- It increases the level of interest and motivation among pupils.
- Allow students with hectic schedules to work from home on their own terms.
- Teach pupils new technological abilities that they may put to use in the workplace later in their careers.
- Promote the idea of a "green revolution" through reducing paper and photocopying expenses.

Disadvantages

There is a widespread consensus among education professionals and practitioners that the use of technology in the classroom has diminished students' creativity and critical thinking.

- It might also be time-consuming for the instructor.
- The installation of such equipment is expensive.
- Overuse might cause health problems, as well.
- In other cases, students are unable to purchase the latest computer technology.

Technology has its benefits and drawback:

- **Technology, we believe, may be addictive:**

Although technology may be seductive, we can utilise this same fact to our advantage and guarantee that the kid uses technology to learn new things in order to expand his or her knowledge. This is a good use of technology.

- **Technology is a means, not an end.**

When technology is utilised as a tool to better understand how people perceive it, things change. The use of technology in the classroom should be woven into the fabric of the institution.

- **Excessive use of technology may lead to dependency in children:**

Computers were present in the homes of many Millennials when they were born. They see technology as the most logical thing in the world. In other words, they know how to put their tools to good use. We are addicted to technology because we believe in it and utilise it. Let them utilise their smartphones to their advantage instead of resisting it since millennials don't know what life is like without them.

Conclusion

Technology may have both beneficial and negative effects on schooling at the same time. Educators and students should use this to their advantage and eliminate the obstacles that prevent many kids and schools from attaining success. A more technologically-ready education system is thus necessary for every nation in the future. Technology is pervasive in schools, and it is expected to displace many traditional methods in the near future. Technology has a beneficial and a bad influence on student learning. Students' desire to work in the classroom may be influenced by a variety of factors (calculators, computers, software, etc.). Technology may help students learn, but it can also be a crutch that prevents them from grasping the most fundamental abilities. The primary goal of the educational system is to cultivate a love of learning in all pupils. This goal may be achieved via the use of technology. During





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the Solving Systems of Equations course, students in an inner-city eighth-grade math class utilised the graphing calculator to boost their performance and motivation. Students were usually introduced to the course using pencils, rulers, and graph paper.

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