

Impact Of Technology On Education: Positive Or Negative?

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Are you looking for the impact of technology on education? If yes, then your search ends here.

Technology plays a vital role in our lives. It has an impact not only on professional employees but also on the lives of students. We will discuss the positive and negative impact of technology on education later.

Technology has changed nearly every element of our life, and education is no exception. Education is one of the most impacted areas of technology. It is becoming increasingly important at all levels of education, from elementary school to higher education. Technology has enhanced the way of education. Transferring knowledge to students has become extremely easier as several new methods have been discovered rather than only classroom teaching. Besides the many positive impacts of technology on education, there are also some negative impacts. Therefore, in this blog, we will discuss all the effects of technology on education. So, let's discuss it in detail.

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How has technology changed our lives?

Impact Of Technology On Education

Technology has an impact on the education sector, both positively and negatively. During the pandemic, if educational institutions do not provide online classes, students' studies will be badly affected. Online studying resources have turned into "lifesaver" for the learning process, and the [Studocu](#) platform has become a real assistant in the distance sharing of educational documents between students and teachers.

On the other hand, at that time, learners misused technology. Students use mobile phones and laptops to attend classes, but it's human nature for them to check their phones when they see an advertisement; they distract and watch movies, and they use social media.

However, with the help of visualization, students learn a lot. There are numerous educational apps, games, and websites available to students. With technology, it will be easy for professionals to do their jobs.

[See also How to Become A Better Student? The Only Guide You Should Have](#)

To get to the bottom of the positive and negative impact of technology on education, stay tuned to this blog.

I.Positive Impact Of Technology On Education

1. Improves the effectiveness and productivity of teachers

Teachers can now use advanced digital tools to improve their students' learning options. It enhances student support and involvement and, eventually, the productivity of teachers.

Technology helps make better teaching strategies and [admission essay writing service](#) for students and customizes the learning of the students. Teachers can now provide online classes using a computer/mobile and an internet connection.

Moreover, a single tutor can teach many students simultaneously with the help of online teaching methods. Students can also record the lecture and watch them again and again till the concept is cleared.

So, technology has improved the effectiveness and productivity of teachers to a great extent.

2. Automation

Automation is a key benefit of technology in education. Teachers can use learning management systems (LMS) that allow them to upload lessons that students can access whenever they want.

Online tests simplify grading, and parents can receive an immediate notification if their children receive a failing grade. Technology may be a huge benefit to teachers who are constantly looking for ways to add more time to their days.

See Also: [Top 7 Programming Language For Automation For 2023](#)

3. Lowering the education cost

The introduction of technology has increased access to resources, reducing the demand for books and their price, the cost of schooling, and the need for school supplies.

Students with a limited budget can purchase e-books at an affordable price and approach learning on an equal footing with their peers. Moreover, using electronic books in the classroom has the added benefit of indirectly reducing deforestation.

4. Improve communication and collaboration

Technology has also improved communication and collaboration among students. Traditionally, students are limited to their classroom or school building. But now, technology has provided many ways to communicate and share ideas online with students of the same class level worldwide.

See also [Java vs Scala: Which Is More Better?](#)

The boundaries of the classrooms are no longer an obstacle because technology has made it possible to learn, communicate, and collaborate in new ways. Students can join online forums and discuss their ideas and doubts.

Moreover, they can collaborate using technology on group assignments. Wikis and Google Docs are two examples of technological platforms that students can use to collaborate on group assignments.

5. Technology helps students get ready for their future life

Technology encourages students to be more imaginative, inventive, and creative. Using technology, students can enroll in multiple other courses along with their regular studies.

Future generations will need technological expertise. There are several programs available online that could help students learn the essential skills required for the future.

6. Improves the process of teaching and learning

Today, students use online educational apps to attend virtual classrooms from home, school, or any place else they have internet access.

It has helped a lot in the recent covid-19 pandemic situation. Students from all over the world have attended their classes online and also appeared through online examinations.

II. Negative Impact Of Technology On Education

Today, there are many worries regarding the negative effects of rapidly incorporating new technologies into the classroom. Most teachers need more skills to integrate technology appropriately into their teaching techniques.

Therefore, many of the worries are legitimate. Here is a list of some of the top negative effects of technology on education.

1. Require Higher Management and Training

The rapid acceptance of technology has made it necessary for teachers to be proficient with screens and technology platforms.

According to research, 75% of teachers believe that the internet and other digital tools have increased their workload and vastly expanded the range of subjects and skills they are required to teach.

Moreover, IT specialists must set up, maintain, and support instructors and students using new technology in the classroom.

2. High-Cost

Computer equipment, printers, internet access, and other technologies are necessary for education. Every student can't spend money on these requirements.

[See also 9+ Ultimate Career Paths for Computer Science Majors](#)

3. Distraction

Social media platforms like Facebook, Instagram, Snapchat, Twitter, and YouTube are growing in popularity among young people. They spend most of their time on these websites, which harms their academic performance.

Moreover, many students bring their smartphones into the classroom. They use their mobiles during lectures and breaks, which is the biggest matter of concern.

4. Cheating

It is another primary negative impact of technology on education. Many students use technological equipment to cheat during exams or tests. For example, **GSM** boxes, smart watches, mobile phones, and calculators are common devices students use to cheat in their examinations.

5. Misinformation is spread among students

Many websites and online platforms provide incorrect information to students. Even though the information is false, websites publish misleading content online to generate visitors.

You will undoubtedly come across some of these sites as a student that needs to provide more accurate information or details. Without checking for legitimacy, websites copy content from other websites. In any case, readers are misled, which is bad for students.

Impact Of Technology On Education During COVID-19

The COVID-19 pandemic has deeply impacted education worldwide. Many educational institutions have turned to technology to continue teaching and learning remotely in response to school closures and social distancing measures. The use of technology in education during the pandemic has had positive and negative impacts.

Positive Impacts Of Technology On Education During COVID-19:

- **Access to learning:** Technology has enabled students to access learning materials and interact with their teachers from anywhere. Online platforms allow students to continue learning even when they cannot attend school physically.
- **Flexibility:** Remote learning allows students to learn at their own pace and schedule. This flexibility can benefit students in balancing school with other responsibilities, such as work or family obligations.
- **Collaboration:** Online platforms enable students to collaborate and work on assignments and projects, even if they are not physically together.

- **Engagement:** Technology can create interactive and engaging learning experiences, such as virtual field trips, simulations, and games.

Negative Impacts Of Technology On Education During COVID-19:

- **Lack of access:** Students need equal access to technology and the internet, which can create educational inequalities. Students need access to technology to be able to participate in remote learning.
- **Social isolation:** Remote learning can be isolating for students, who may miss the social interactions and support that come with being in a physical classroom.
- **Screen time:** Students may spend more time on screens during remote learning, which can negatively affect their health and well-being.
- **Technology issues:** Technical difficulties, such as internet outages or computer malfunctions, can disrupt learning and cause frustration for students and teachers.

Impact Of Technology On Education Statistics

Here are some statistics on the impact of technology on education:

- In 2020, around 1.2 billion students globally were affected by school closures due to the COVID-19 pandemic, leading to an unprecedented shift to remote learning with the aid of technology (Source: UNESCO).
- The global e-learning market size is projected to reach USD 374.3 billion by 2026, growing at a CAGR of 15.6% from 2021 to 2026 (Source: MarketsandMarkets).
- In a survey of over 3,000 U.S. parents, 60% reported being more supportive of using technology in education since the pandemic's start (Source: Common Sense Media).
- According to a survey of U.S. college students, 91% of respondents said technology positively impacted their learning experience during the pandemic (Source: Top Hat).

- In a study of online learning, students in online courses performed better than those in traditional face-to-face courses (Source: U.S. Department of Education).
- Online learning can reduce the cost of education for students, with some estimates suggesting that online courses can be 30-50% cheaper than traditional face-to-face courses (Source: U.S. News & World Report).
- Educational apps have been found to improve student engagement, with students reporting higher motivation and interest in learning (Source: EdTech).

Online Education vs Traditional Education

Online Education	Traditional Education
Online education is that it is accessible to a broader audience.	Traditional education is location-based, and the physical presence of both students and teachers is required.
Online education is flexible, allowing students to learn at their own pace.	Traditional education is more structured and has fixed schedules.
Online education may lack in-person interactions.	Traditional education offers face-to-face interactions with teachers and peers.
Online education assessments may involve online quizzes, tests, or essays.	In traditional education, assessments typically involve written or oral examinations.
Online education is often more affordable than traditional education.	Traditional education can be more expensive.

Conclusion

Technology has become an important part of our life, good or bad. It has multiple benefits and drawbacks in education. We should use it wisely to escape its downsides. Hopefully, now you understand every important impact of technology on education.

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FAQ

- **How can technology be used to improve education?**

Technology can be used to create engaging and interactive learning experiences, such as virtual simulations and games. It can also provide personalized learning opportunities, such as adaptive learning software that adjusts to each student's needs and abilities.

- **What are some examples of technology used in education?**

The technology used in education can include online learning platforms, educational apps, virtual and augmented reality tools, interactive whiteboards, and video conferencing software, among others.