

## IMPACT OF TECHNOLOGY ON EDUCATION

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**Annotation:** *At all levels of education, from elementary school to higher education, technology is becoming more and more important. The transfer of knowledge is substantially enhanced and made easier by technology, which enables educators to create an excellent learning management system.*

**Key word:** *education, computers, teachers, rote learning, technology, internet, online.*

"We have extraordinary tools at our disposal today to democratize education so that a child in the deepest part of rural Africa could be getting the same education as a child in Manhattan. Technology today makes that possible. What is missing is the will to get it done and the resources. Because once we get the will in, the resources will follow."<sup>1</sup>

Technology is a gift of God. After the gift of life, it is perhaps the greatest of God's gifts. It is the mother of civilizations, of arts and of sciences. Technology has certainly changed the way we live. It has impacted different facets of life and redefined living. Undoubtedly, technology plays an important role in every sphere of life. Several manual tasks can be automated, thanks to technology. Also, many complex and critical processes can be carried out with ease and greater efficiency with the help of modern technology. Thanks to the application of technology, living has changed and it has changed for better. Technology has revolutionized the field of education. The importance of technology in schools cannot be ignored. In fact, with the onset of computers in education, it has become easier for teachers to impart knowledge and for students to acquire it. The use of technology has made the process of teaching and learning all the more enjoyable<sup>2</sup>

The way we learn is evolving due to technology. The advancement of technology has been phenomenal. The days of memorization and examination recitation are long gone. With the arrival of new technologies and gadgets, the educational industry has drastically changed. The emphasis on skill development and problem-solving talents means that there is less time for theory and rote learning. As well as technology has brought a lot of benefits to not only learning but also it is affecting to the teaching. So, let's look at the positive and negative sides of technology in education.

Advantages Of Technology in Education.

The use of technology in the educational sector has many advantages. The way we learn has changed because of technology. Through the use of gadgets like cellphones,

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<sup>1</sup>Strive Masiyiwa, founder of Econet Wireless and a member of the Education Commission [https://theirworld.org/resources/technology-and-education/?gclid=EA1aIQobChMIgMPMp5yv\\_gIVqUeRBR1U-w93EAMYASAAEgIOePD\\_BwE](https://theirworld.org/resources/technology-and-education/?gclid=EA1aIQobChMIgMPMp5yv_gIVqUeRBR1U-w93EAMYASAAEgIOePD_BwE)

<sup>2</sup> R. Raja\*, P. C. Nagasubramani Department of Pedagogical Sciences, Tamilnadu Teachers Education University, Karapakkam, Chennai - 600 097, Tamil Nadu, India // Journal of Applied and Advanced Research, 2018: 3(Suppl. 1) S33-S35

laptops, tablets, and other devices, it has made our lives more colorful and made school work entertaining. The use of technology in education has various advantages, including:

**1. The effectiveness and productivity of teachers have improved.**

Incorporating useful digital tools to improve their students' learning options, increasing student support and involvement, and increasing productivity are all things that teachers and trainers do with technology. With the aid of technology, educators can enhance their instructional strategies and customize learning for their pupils. By reducing the price of physical teaching aids, improving the effectiveness of curricula, and optimizing instructor time, technology benefits schools. access to a limitless supply of up-to-date data and information from various sources.

**2. Automation**

Automation is a key advantage of educational technology for teachers. A learning management system (LMS) allows you to post lessons that students can access whenever they choose. 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.



**3. Reduces the cost of schooling.**

The introduction of technology into education has increased access to resources, which has reduced the cost of tuition, the demand for books and their price, and the need for school supplies. E-books have made life easier for low-income families and given students the opportunity to approach learning on an equal footing with their peers without parental pressure for high achievement as a result of significant financial investments in their children's education. Additionally, using electronic books in the classroom has the added benefit of indirectly reducing deforestation.

**4. It promotes improved communication between parents and instructors.**

The use of education applications facilitates information sharing between parents and teachers.

**5. Promotes teamwork in the classroom.**

Collaboration is facilitated by technology in the classroom by removing boundaries that exist in the real world. Online venues enable collaboration to happen more naturally than relying on the constrained social contact that might happen in person.

**6. Technology helps students get ready for their future life.**

It encourages kids to be more adaptable, imaginative, and creative. There are various programs that could assist you in learning the skills required for the future, making it an

effective way to employ technology in education. Future generations will need technological expertise. Every curriculum has a perk that can be appropriate for your learning preferences or personal preferences.

### **7. Is essential to the process of teaching and learning.**

Students can attend virtual classrooms from home, school, or anyplace else they have internet access thanks to educational apps. These might involve lowering expenses, boosting production, and enhancing communication.

Then drawbacks have also seen in a lot of fields in education. So today there are many worries regarding the effects of quickly incorporating new technologies into the classroom as more and more technology is introduced. Since the majority of teachers lack the necessary skills to appropriately integrate technology into their teaching techniques, many of these worries are legitimate. Here are several drawbacks of technology use in the educational field.

#### **1. Higher Management and Training.**

The development of technology has made it necessary for teachers to be proficient with screens and technology platforms in order to be effective in the classroom. According to research, 75% of teachers believe that the internet and other digital tools have increased their workload and vastly expanded the breadth of subjects and skills they are required to teach. To set up, maintain, and support instructors and students using new technology in the classroom, IT specialists are required.

#### **2. Expensive**

Internet access, computer equipment, printers, Internet browsers, and other technologies are necessary for education. Spending a lot of money on technology at your institution is necessary to acquire all of these.

#### **3. Distraction.**

Social media platforms like Facebook, Twitter, and YouTube are growing in popularity among young people. These websites are where they spend the majority of their time, which is detrimental to their academic performance. In the classroom, cell phones have grown to be a major cause of disruption. Even during breaks, students utilize their cell phones in their free time at school.

#### **4. Cheating**

Cheating was far more challenging when phones couldn't be used to access the internet during exams. Students have turned to modern technologies to cheat on exams and Continuous Assessment Tests (CATs) in an effort to outwit the system. As a result, a sizable fraction of students manages to get away with it and graduate. Despite not having the academic credentials for their industries, they go on to become true professionals in them.

#### **5. Misinformation being spread among students**

Many websites and other online platforms are giving people the incorrect information they need. Despite the fact that the information is false, many websites publish misleading content online in an effort to generate visitors. You will undoubtedly come across some of

these sites as a student that provide misleading information or details. Without checking for legitimacy, other websites copy content from other websites. In any case, readers are deceived, which is bad for students.

Technology affects Health:

Excessive use of technology affects the health of students badly. Technology not only affects physical health but also mental health.

You can also read about the effects of technology on health and how we can **minimize their impact.**

Physical effects may include:

- 1-Obesity
- 2-Lesser blood circulation.
- 3-Curved backbone.
- 4-Bad body posture.
- 5-Headache.
- 6-Poor eyesight.

Mental effects or psychological issues may include:

- 1-Distraction.
- 2-Depression.
- 3-Anxiety.<sup>3</sup>

To add to this, we now live in a very different world because of technology. It has altered many aspects of existence and changed what it means to live. Technology unquestionably has a significant impact on all aspects of life as we have discussed. Thanks to technology, many tedious manual chores can be automated. Additionally, a lot of the difficult and important activities can be completed quickly and effectively with the aid of contemporary technology. The domains of education and industry have seen a significant transition, and they have changed for the better thanks to the many positive benefits of technology.

The field of education has undergone a change because to computers and internet technology. It is impossible to overstate the value of technology in education. In reality, the introduction of computers into the classroom has made it simpler for teachers to impart knowledge and for pupils to understand it. The employment of computer technology in schooling adds a playful component. Additionally, it should be noted that the internet has added interactivity to education.



<sup>3</sup> <https://techbaji.com/technology/positive-negative-impact-of-technology-on-education/>

The computers provide audiovisual interactive content. interactive PowerPoint presentations with the pupils. The animation and presentation software's visual elements encourage more attention from the students. Furthermore, the teachers might use these soft goods as visual aids. Many pupils can access content at once thanks to overhead projectors and screens. Students' attendance and concentration have significantly improved as a result of these audio-visual instructional tools. Interactive media have been shown to be effective in raising pupils' levels of concentration. This emphasizes the value of computer instruction above textbook instruction.

#### **Technology has made student life easy.**

Technology has made the life of students easier. Nowadays, students use different software and tools to make presentations and projects, instead of using pen and paper. An iPad is very light as compared to a pile of notebooks. Surfing an E book is easier as compared to a heavy book. These tools help to generate more interest in studies. There are online libraries which require no physical space. The teachers, students and researchers sitting in different parts of the world can access the same online library simultaneously.<sup>4</sup>

The internet is a vast source of knowledge. The internet can be a useful resource for learning new things. A web user only needs to type a few search terms into search engines, and they will immediately return millions of results. They can find the additional information they need to broaden their knowledge base on a number of educational websites and web directories.

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