

## Technology Impacts in Teaching and Learning

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### Abstract:

The proliferation of technology has greatly influenced many aspects of society which also includes education. Students in today's modern world not only have computers to support them with their schoolwork but also internet for study and teachers use technology to enhance their lessons. Technology plays a major role in many areas of daily life and education is no different. Technology is changing the way students learn, and how teachers teach. Today, computers have substituted chalkboards as the go-to tool in classrooms. And in higher education it's not just happening; technology is part of educating children of all ages. It's a part of their everyday lives too.

**Keywords:** Technology, Social Network, Remote Learning, Software, Online Seminars

### INTRODUCTION

As technology advances it brings new opportunities and challenges to educators and students. Social networking is a great example of technology which, depending on how it is used and implemented into teaching plans, can support or hinder education. Privacy and protection are two issues that may arise with classroom use of social networking. This can also confuse pupils, or even become a device used for bullying.

Using social networking as part of the learning process can, however, also bring benefits. Students who are more introverted may open up and connect more when they communicate via social networking with faculty and other students. It also gives students the chance to collaborate and collaborate in a whole new way.

Students at the college can be linked to technology via their smartphones, laptops, and

tablets, like social networking. Social media in education has different benefits and detriments for college students compared to their younger counterparts.

So whether it's a college student studying classical literature or a grade school student learning to read first, technology is now an integral part of the process of education.

### IMPACT OF TECHNOLOGY ON EDUCATION

There are different effects of the latest technology on education which lead to a better understanding of the mechanism students need for their future:

- Gaming & Videos on Learning: With the help of instructional games teachers

introduce children to computers. Instead of playing board games that focus on reduction, students can learn the basics of playing, counting, and many other major educational lessons with the help of computer games that make learning a fun and interesting process for students. Therefore, since there are many schools that have at least one computer in the classroom, the teacher can make that computer an important part of the young students' learning source.

Students watch insightful videos that illustrate the idea in depth and make learning & understanding easier for the students. Byju's is one of the most popular examples of how to use such concept & develop themselves on the market. With their learning videos, it teaches many students throughout the country, and makes education fun.

- Remote learning: Many students at community colleges and universities located far from their location opt for distance education or education classes that are also called correspondence courses. The students receive the course paper in the mail after enrolling in this form, and mail the assignments to their teachers at educational institutions to test their success. This emailing process can be quite long and complicated, but all thanks to technology, who makes a continuation to our studies and take over the course on intent at their convenience.
- Online Seminars: Not every school has the resource and budget to send its students on field trips which are naturally related to the study. If that is

the case in schools, then the schooling of the pupil fails a great deal. Yet again thanks to the new and evolving technology, with which students can use the internet to remotely visit museums and other educational institutions placed on online seminars.

- Internationalization: When schools connect in different parts of the state, country, or world, students can meet with their counterparts without leaving the classroom with the help of video conferencing. There are some sites that are used by pairing a group of students with the teacher from another country or state to help students learn foreign languages online. Many reputed Universities & Institutes such as Symbiosis, Sikkim Manipal, IITs & IIMs also offer their students distance learning courses without letting them visit the campus.
- Research: If a collection of titles outdates or excludes the school library, the students may find it a challenging job to assemble the necessary research for an essay or research paper. The students can use the computers and the internet as a digital encyclopedia to obtain the research they need, as long as the school has a computer lab. This way the technology has played a significant role in the day-to-day life of the user. The entire credit goes over to the internet. Although students are wary of the legitimacy of some of the content they read online, there are many schools that use software such as the Britannica encyclopaedia to help students do such research.

- Strong interaction with the research content: Technology is collaborative and through performing, studying and getting input, the students understand. It makes the students feel excited about what they know. For example, they can use digital applications such as Google Maps or Google Earth to research geography, rather than look at an image.
- Using real-world issues: This model promotes in-classroom use of real-world problems. By using the Internet, at that point, students will explore specific problems that are relevant to the curriculum in the classroom. This allows students to realize that the lesson is about real issues and real people.
- Groups of discussion and debate and web forums: Through using the Internet or electronic resources, students are able to create online classes, web pages and interactive societies that connect them to peers and teachers anywhere in the world in real time. They will seek input from their teachers, and express their lessons with questions and concerns. Students develop their learning by listening to and reading about the thoughts and suggestions of others, achieving greater levels of awareness and better understanding. Online forums also give students the ability to connect with others across the globe.
- Formative assessment: Teachers ensure students know not just the principles but also how to use their technical skills. Technology-focused tasks often involve competencies for critical

thought and problem-solving. Teachers act as facilitators, giving continuous guidance, enabling students to achieve greater comprehension levels.

Just like any coin has two sides, so too technology has its own challenges in Indian education. The spending in colleges, teacher recruitment, and information development systems is a expensive affair. India being a developing nation can not afford the technical facilities for all schools. With the growing demand for technology in schools, the cost of education is equally demanding too, and not many parents will be willing to invest. Apart from the financial constraints, many parents are pleased with the old education system and comfortable with it. They assume no better explanation exists than practice. Both technology positive and negative in Indian education sector, the positive have outnumbered negative with many schools adopting technology. Ending on a good note, education technology improves the students' learning skills.

There are many educational analysts who believe that technology has improved the world's education infrastructure, which is valid to some degree, but there are also other people who strongly agree that this technological change is also having a negative impact on schooling. Students are increasingly heavily dependent on the tools to complete their research rather than on their own experience, and this is clearly a detrimental signal to the development of real world education and civilization.

- Huge investment: Students today are not dependent on pen and paper. During this new industrial age, the use of pen and paper has been replaced by

computers and other tools. Such high-tech apps give the consumer many sophisticated features, which is much more convenient than using pen and paper, but it costs the person a lot to operate such apps. Maintenance needs a massive amount of money and it costs a decent amount of money to upgrade the old apps, too. Therefore, we might claim technology has made college expensive.

- **Misguided due to various Wrong Information:** With accelerated technical growth and change, website owners are keen to rate their websites higher on numerous search engines. Thus the owners are mostly concerned about the ranking and are less concerned about the website content. That explains why many blogs contain myths on various subjects that are pasted or reproduced from multiple outlets without checking the content's validity. Because of this misconception, the learners are always misled which can severely harm their growth in school.
- **Major distraction source:** Research has shown that more than 60 per cent of the world's schools and colleges use electronic tools such as laptops and tablets as a teaching tool. So the students must use the same facilities to suit the teachers' teachings. Social media has grown leaps and bounds in the modern day, with social media being used by 90 per cent of the world's population. Instead, the devices that students are provided to study are used to be active on social media. Students don't study with the help of these devices, they're interested in checking

the posts and status updates of their loved ones and many more. That is how technology is a massive diversion for the learners, rising the distance between the students and the educators.

- **The online classes are complicated to handle:** There are many students who have an desire to keep studying on a daily basis, but often it is very difficult for them to consistently obtain all the lecture courses. For various factors, such complications can occur; it can be health conditions, family concerns, or some other issues. Technology innovation has solved this issue, and now students can learn the missing topic from the websites on the internet, and they can access those sites whenever and wherever they wish.
- **Extinguishing good handwriting:** The use of a standard pen and paper has now been replaced by tools like notebooks, desktops, tablets and smartphones. Due to this, all the essential tasks and documents are typed and saved into the respective files, thus the writing down on paper is more or less removed. People lose the habit of writing because of little writing or very little writing, and then the handwriting gets worse than it was before. Work has also shown that using these computers rather than writing has hindered the students' thought process and has created a reasonable amount of lethargy in the pupils.
- **Partial to low income community:** Technological advancements have also made education expensive. Advancement has given rise to different

forms of electronic gadgets that are very costly and need a lot of repair money too. This has made schooling difficult for people with poorer incomes; these people can't afford any sort of education for themselves or their children and it's partial for low-income families. Everyone in this world has the right to educate themselves, but this privilege has been robbed by increasing prices, those with less earnings cannot afford it.

## **CONCLUSION**

Technology is an integral part of 21st century living referring to the Fourth Revolution accompanied by challenges and opportunities. It also has structural structure and is thus capable of integrating and removing the technical influences. The sheer scope of change underway in communication technology as regards methodology and educational modes may require revision at the organizational level.

## **REFERENCES**

- <https://www.thequint.com/voices/influx-of-technology-and-its-impact-on-education-in-india>
- <https://online.purdue.edu/blog/education/how-has-technology-changed-education>
- [https://www.researchgate.net/publication/325086709\\_Impact\\_of\\_modern\\_technology\\_in\\_education](https://www.researchgate.net/publication/325086709_Impact_of_modern_technology_in_education)
- <https://www.tekshapers.com/blog/Impact-of-Technology-on-Education>
- <https://www.southuniversity.edu/news-and-blogs/2016/08/technologys-influence-on-education-76874>
- <https://www.myclasboard.com/blog/impact-technology-indian-education-system/>
- <https://www.thetechedvocate.org/7-ways-technology-impacting-modern-education/>
- <https://inspirationfeed.com/negative-effects-of-technology-in-education/>