IMPACT OF NEW TECHNOLOGIES IN EDUCATION

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Abstract

Technology has played a vital role almost in every aspect of our day-to-day life, and education is not an exception in this regard. It has impacted different facets of life and redefined living. Many critical and complex processes can be carried very easily and with greater efficiency with the help of modern technologies. This modern technology has revolutionized the field of education, in fact this technological change makes teaching more effective and learning more enjoyable for the students. Traditionally, teachers lecture in the class room using board and chalk method, while some of the students have open their book and appear to be following. Few might look bored, some may talk with their friends, opportunities for communication and collaboration have been limited to other students in the classrooms. Today, technology enables the forms of communication and collaboration is unimaginable among students. They can share whatever they are learning in the classrooms even with other state students who are tracking the same expedition. Students can have group discussions using the technology-based tools like Zoom meet, Google Meet, etc., they can also collaborate on group projects by sharing learning materials by using these technological tools such as wikis, Google docs, cloud-based apps.

INTRODUCTION

Technology has played a vital role almost in every aspect of our day-to-day life, and education is not an exception in this regard. It has impacted different facets of life and redefined living. Many critical and complex processes can be carried very easily and with greater efficiency with the help of modern technologies. This modern technology has revolutionized the field of education, in fact this technological change makes teaching more effective and learning more enjoyable for the students. Traditionally, teachers lecture in the class room using board and chalk method, while some of the students have open their book and appear to be following. Few might look bored, some may talk with their friends, opportunities for communication and collaboration have been limited to other students in the classrooms. Today, technology enables the forms of communication and collaboration is unimaginable among students. They can share whatever they are learning in the classrooms even with other state students who are tracking the same expedition. Students can have group discussions using the technology-based tools like Zoom meet, Google Meet, etc., they can also collaborate on group projects by sharing learning materials by using these technological tools such as wikis, Google docs, cloud-based apps.

Technology is a powerful tool that can support and transform the field of education in many ways, from making it easier for teachers to create instructional materials to enabling new ways for people to learn and work together. The world-wide reach of Internet, connects all anywhere at anytime education is dawning. It will be up to instructional designers and educational technologies to make the most of the opportunities provided by technology to change education so that effective and efficient education is available to everyone everywhere.

Technology in the classroom is essential for increasing student engagement and empowering educators to create innovative learning experiences in and out of class. Online degrees courses now have become a very common phenomenon. People wish to take up online courses for their learning and certifications. Top institutions offer amazing online programs with the use of various applications and the internet. This is a concept that will continue to rise as it gets more support and awareness. The online degree scenario around the world is more famous among students who work and look for flexible studying programs.

IMPORTANCE OF TECHNOLOGY IN EDUCATION

The role of technology in the field of education is four-fold: it is included as a part of the curriculum, as an instructional delivery system, as a means of aiding instructions and also as a tool to enhance the entire learning process. Thanks to
technology; education has gone from passive and reactive to interactive and aggressive. Education is essential in corporate and academic settings. In the former, education or training is used to help workers do things differently than they did before. In the latter; education is geared towards creating curiosity in the minds of students. In either case, the use of technology can help students understand and retain concepts better.

**BENEFITS OF TECHNOLOGY IN EDUCATION**

1. Immersive learning
2. Gamification
3. Accessible long-distance learning
4. Personalized education experience
5. Student preferred
6. A blended learning environment
7. Better engagement

**POSITIVE IMPACT OF TECHNOLOGY**

1. **Enhanced Teaching and Learning:**
   Technological developments like digital cameras, projectors, mind training software, computers, power point presentations, 3D visualization tools; all these have become great sources for teachers to help students grasp a concept easily. It has to be understood that visual explanation of concepts makes learning fun and enjoyable for students. They’re able to participate more in the classroom and even teachers get a chance to make their classes more interactive and interesting.

2. **Globalization:**
   When schools are in different parts of the state, students can “meet” their counterparts through video conferencing, some sites are used to help students learn foreign languages online by pairing a group of students with a teacher from another country.

3. **No Geographical Limitations:**
   There is hardly any need of being present physically in the classroom. Even several foreign universities have started online degree courses that student can join. Distance learning and online education have become a very important part of the education system now a day.

**NEGATIVE IMPACT OF TECHNOLOGY**

1. **Declining Writing Skills:**
   Generation have declined quite tremendously. Digital communication that they have today forgot about improving their writing skills. To use grammar properly or how to do cursive writing. Due to the excessive usage of online chatting and shortcuts, the writing skills of today’s young have deteriorated and they do not know the spelling of different words. In fact, there is a new dialect of language called as Textese, which is the amalgamation of English words in text short form.
2. **Increasing Incidents of Cheating:**

   High tech watches, mini cameras and similar equipment have become great sources to cheat in exams, graphing calculators, with least chances of being caught. Technological developments like graphical calculators provide ample means for the decrease in integrity among students.

3. **Lack of Focus:**

   Students are seen playing with their cell phone, iPhones day and night or while driving and very often even between lectures in the classroom. Lack of focus and concentration in academics and to some extent, even in sports and extracurricular activities.

**ADVANTAGES OF TECHNOLOGY IN EDUCATION**

A sudden introduction of a wide range of devices and the Internet, students got the opportunity to make the learning process much easier and more interesting. Key benefits of technology in education include:

- Provides a better interactive experience during teaching and learning process.
- Provides access to an unlimited amount of current information and data from a variety of sources.
- Teaches them digital literacy
- Students have choice of real-time learning or learning at their own pace.
- Reduces educational costs
- Provides better insight into student’s performance

**DISADVANTAGES OF TECHNOLOGY IN EDUCATION**

- Technological development is distracting both in the classroom and outside.
- Reduced number of teachers due to automation and reduced salaries.
- Reduces direct peer interaction
- Potentially diminishes cognitive development and reduces problem-solving skills.
- Maintaining modern technology is very expensive
- It is easier to cheat in exams

**CONCLUSION**

Technology has a positive impact on education and at the same time may also pose negative effects. Teachers and students should take advantage of this in the good light and eliminate the drawbacks which are pulling back many of students as well as schools from achieving excellence. It is thus time for every country to introduce a more technologically equipped education sector in the future.
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