Modern technology: advantages and disadvantages

Today, technology is very important because it is used for almost everything and like everything, technology has advantages and disadvantages

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In the world today, people cannot live without technologies such as televisions, mobile phones, computers and others.

These technologies have slowly taken an essential part in people's day-to-day lives and being without them would be unimaginable for some of us.

To understand technology, one must know what it provides in terms of advantages, but also disadvantages.

Advantages of technology

First, the evolution of technology is beneficial to humans for several reasons. At the medical level, technology can help treat more sick people and consequently save many lives and combat very harmful viruses and bacteria.

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For companies, progress is saving in time and therefore in money. Exchanges are faster especially with the internet. Sales and purchases are now facilitated and possible worldwide. This allows businesses to buy raw materials with discounts or at reduced prices. Similarly, global tourism has grown.

Technology has also increased the productivity of almost every industry in the world. Thanks to technology, we can even pay with bitcoins instead of using banks. The digital coin has been such a game changing factor, that many realised that this is the right time to open a bitcoin demo account.

When observed more closely, new things are discovered every day. Let's take for instance when radio waves were discovered, radio broadcasts followed suit almost immediately. The same applies to the television and electricity. If no one had discovered that electricity could be generated, then the entertainment industry wouldn't be at it's current stage of development.

Technology improves daily lives; allowing to move physical storage unitsto virtual storage banks and more. Scientists of the time are also able to send astronauts to the moon thanks to technology.

In the modern industrial world, machines carry out most of the agricultural and industrial work and as a result, workers produce much more goods than a century ago and work less. They have more time to exercise and work in safer environments.

Disadvantages and risks of technology

On the other hand, the evolution of modern technology has disadvantages, for example, dependence on new technology. Man no longer needs to think. Even if the calculator is a good invention, man no longer makes mental calculation and no longer works his memory. The decline of human capital implies an increase in unemployment. In some areas, devices can replace the human mind.

The use of technology certainly needs rule and new laws. For example internet use is an individual freedom. However, the invention of the atomic bomb cannot be an individual freedom. In fact, regulations are difficult to implement when these technologies are introduced – such as regulation surrounding the impending arrival of autonomous vehicles.

Finally, as most technological discoveries aim to reduce human effort, it would imply that more work is done by machines. This equates to less work for people: the human is becoming ever so obsolete by the day, as processes become automated and jobs are made redundant.

The negative impact of the influence of technology on children should not be underestimated as well.

What are the positive and negative effects of technology?

Advantages of technology

Technology **helps us to strengthen the relationships by keeping in contact with old friends, the colleagues, and the co-workers, The e-mails cause speed delivery of messages, they reduce the paper costs, The human uses technology to travel, to communicate, to learn, to do business & to live in comfort.**

Technology **enables the communication among people, it has helped you to communicate with people all over the world through email, instant messaging, Skype, social media, etc,Internet is the biggest advantage of us because people could receive not only the valuable information but they could also work as freelancer or share their experience.**

Technology **is very useful for the students, They can take the courses and attain their degree online just as any student on campus as the technology provides many chances for the students all over the world to receive an education online.**

Technology **helps the companies to save the time and gain a lot of money, They use the technology to communicate with individuals, they can release the information to many different people at once without calling a meeting or requiring printing of the materials.**

Technology **is very necessary in our life as it has improved the transportation, it has mechanized the agriculture, It has improved the communication, it has improved the education & learning process, technology has changed the world, it is very useful to us, it plays an important role in our life but it has many bad effects.**

Bad effects of technology

When the children use much technology, they have not enough time to use their imagination or to read and think deeply about the material, they find the information but they may not remember it, they might have difficulty to develop the social skills and the emotional reactions.

Technology **can lead to a social isolation which is characterized by a lack of contact with other people in normal daily living such as the workplace, with**

friends & in social activities, Technology can cause the tendonitis in the thumb which is a form of repetitive strain injury caused by the frequent use of thumbs to press buttons on mobile devices or playing too many video games.

Technology causes a lack of privacy, where anyone can with a few flicks on the keyboard find anyone's address and contact information, So, they can use of phishing, viruses and hacking that helps to find any information they wish to obtain, they can obtain the location on Google Map and they can know the life story on Facebook.

When the electronic wastes add high level of toxicity in our air & land because they are not disposed properly, They cause deadly chemicals to the ground and the electronics are emitting toxic fumes into the air, Technology causes lack of empathy, The constant stream of violent scenes on the video games, TV, movies and YouTube causes people to become desensitized to destruction of any kind.

Technology affects on our body, it causes the neck and head pain when you look down the devices, It causes blurred vision and migraines, and eyestrain can also causes the headaches, it causes an extra layer of stress which was not found before the overuse of technology.

Technology causes a higher consumption of energy, when you don't turn your devices off, when you keep the computers on, the mobile devices charging, the televisions plugged in, and all the high tech toys, So, it causes an increase in greenhouse gas emissions.

When you strain your eyes looking at the computer and the device screens, it can cause people to need glasses much earlier in the life and using the headphones and the ear buds can cause people to lose their hearing over time.

Pros and cons of technology in education & Can technology replace teachers?

Technology tools present universal tools that enable teachers to educate all types of students, including those who are struggling or have special needs, These include voice recognition, text-to-speech converter, translator, volume control, word prediction software &other assistive technologies, There are many resources for education & making learning more fun & effective, There are many apps, e-textbooks & organizational platforms.

Advantages of Educational technology

Technology helps the students make the task of learning easier & allow for the product creation that would once have been impossible, Students had to venture to the library & sort through stacks of books to find the information, With the aid of technology, they can gather the information almost instantly, Because the Internet allows students to gather the information more rapidly, and teachers can commonly squeeze more learning into their lessons.

Incorporating technology into the classroom helps the students to access to different ways of learning, they'll explore & try different techniques, Students can make modifications digitally, adding sections, correcting spelling, or moving the elements of the paper by using technology, They can edit more efficiently & saves time.

Teachers are able to enhance their lessons with technology, Instead of relying only on the textbook, teachers can use technology tools to present movies or audio recordings, locate & print out related articles or create slideshow presentations to accompany lessons, As technology makes supplementary material easier to gather & use, Teachers can offer educationally-rich supplementary materials to their students.

Technology helps students with special needs to thrive in academic settings, They can use adaptive word processor apps & programs that speak for

children who struggle with language, [Educational technology](#) allows students to communicate and be involved with their teachers & classmates, [Technology](#) in the classroom is not meant to replace the teacher, the idea is to create a flexible learning environment that breeds innovation. [Educational technology](#) allows students to communicate with others across the globe, Through [email](#), chat rooms, discussion boards & other digital communication methods, students can exchange ideas & information with others, [Technology tools](#) allow for the development of an extensive community of learners all working towards the accomplishment of the same goal.

People of all social strata can use technological advances, [technology tools](#) help students have instant access to fresh information that can supplement their learning experience, [Technology tools](#) can prepare students for the future that will be digital & technology-focused, students are well-versed on using [technology](#) to collaborate & communicate.

Using [technology](#) in the classroom allows for more active learning, you can increase engagement through online polling or asking quiz questions during lectures, [Technology tools](#)in the classroom help ensure full participation, Online polling & the other tools help to engage all students, Online engagement systems allow you to regularly check in with students for feedback on course materials & assignments.

[Technology tools](#) can automate a lot of your tedious tasks, [Automation](#) can speed up tedious, time-consuming tasks, such as keeping track of student attendance & performance, Engagement tools can help streamline grading for writing assignments, discussions &participation, as well as answer common student questions, that otherwise could seem daunting due to their objective nature.

[Technology tools](#) promote independent learning to students, The [internet](#) is full of a treasure trove of information, it can serve as an educational resource for students, Even without the assistance from parents and teachers, and students can look up their lessons online, Electronic books & web-based content are updated in real time, feeding the students with the most current

information, helping them become more knowledgeable even outside the classroom setting.

[Educational technology](#) has the potential to lower textbook & tuition prices, With resources more accessible and in great abundance, the cost of textbooks is likely to decrease, Tuition will decrease when learning is done online, By taking out the factors that contribute to a higher tuition fee, such as utility bills & transportation allowance of teachers, the overall cost of education will be lower.

[Technology](#) allows teachers to create an exciting way to educate students, teachers can now incorporate images, videos & other graphics when delivering lessons, Specific websites, apps & programs will enable teachers to vary how they provide instructions.

There are many tools available include Smart Boards (interactive whiteboards), email [Skype](#), & [PowerPoint](#), The teachers & professors have the option to use advanced teaching methods, such as podcasts, blogs & social media, The teachers can take benefit of [web conferencing](#)technologies & other online communication tools.

Cons of Educational technology

[Technology tools](#) in the classroom can be a distraction, Students learn less when they use [computers](#) or [tablets](#) during lectures, They tend to earn worse grades, [Laptops](#) distract from learning, both for users and for those around them, Between a [tablet](#) & a textbook, students are likely to gravitate towards learning when reading a book, while they are likely to use a [tablet](#) to play [games](#) or spend time on [social media](#).

[Technology tools](#) can disconnect students from social interactions, They can foster cheating in class & on assignments, students can find ways to cheat, the digital age makes it even easier from copying and pasting someone else's work to hiring an essay writer from online essay websites.

All students don't have equal access to technological resources, Some students can't afford [iPads](#) or even the textbooks required for the class, For these students, You have to point them in the direction of the library or community resources, or create assignments that allow them to work in

groups & share resources, You should not make technology the focus of your class, and don't make it a barrier.

Research & sources quality may not be top-notch, students may need guidance on identifying proper sources & unreliable sources, Many campuses have writing centers that can help with this, You can use the open educational resources in the public domain that anyone can freely use, copy & adapt, they range from textbooks to lecture notes, examinations & assignments.

Some children don't have computers & other technology tools because of socio-economic status, This puts these children at a disadvantage in learning technological functions, Teachers can use digital movies or multi-media presentations, Many classrooms are being retrofitted with smartboards & computers but they can't replace old methods of teaching.

Educational technology results in a lack of interest in studying, Everything is accessible online or through data saved in a computer or mobile devices, So, students are likely to develop poor studying habits and a lazy attitude towards education, Some students think that they can skip school because they can find answers & lessons online.

Students may forget the basics of studying, They rather rely on computers and the internet, instead of their books and the input from their teachers, They use spell checkers, they would seek assistance from the computers or look for the answers directly through search engines to solve mathematical equations.

Technology makes students vulnerable to potential pitfalls, While computers prove to be an invaluable educational tool, it can be a source of problems, This is especially true for students who lack the skills needed to maximize a device's functionalities, Technical problems & computer malfunctions can cause loss of assignments & other materials, resulting in high levels of stress that students would rather not experience, Difference in internet speeds & device's capabilities can lead to certain difficulties that will de-motivate students.

Many teachers believe that constant use of [digital technology](#) is affecting a student's attention and his ability to persevere when a challenging task is thrown on his way, Although such belief is subjective, scholars, experts & teachers all agree that technology has changed the way students learn.