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# INTRODUCTION

Currently, the world has been a considerable technological advance in all sectors and that through computer science that is studying of the information technology of the information processing. Computer technology has revolutionized how things were made to the pace. They entered our lives and facilitated thing. They have many advantages, but also have some disadvantages according to how they are used.

# ADVANTAGE OF COMPUTER SCIENCE

## **Generality ( by Youssouf Idriss Tom )**

Nowadays, the computers are used as a part of each sector and have fulfilled our heart with happiness, as we can finish your daily project very effort loosely, yet there are some important adventages and weaknesses of using computers.

Adventages of using computer

The computer science has had a very important influence on your society. It has reformed your way of life and has influenced each and every departement of our lives. Online services like Skype or social networking sites are use for communication and data searing commitments.

Computer can be used as an incredible useful device. Understudies can have record all kinds of data on the web.

Moreover, the computer is being used as a part of each field of life, for example carrier, business, medicine, industry.

Computer is a programmed device with a group of instructions to perform specific tasks and generate results at really high speed.

## **Facilitate and reduce work ( by Mahamat Bandi Ahmat )**

If computer currently hold a prominent place in our daily live, it is mainly thanks to the internet. Computers and the internet have innovated the way we interact with others. Indeed, it is possible to converse with a person wherever they are on the planet. In addition, connected computing also makes it easier to get information.

Thanks to search engines like Google, it is currently possible to learn about any subject in a few clicks, to download fun content such as films, games, musical content, etc…

Moreover, if we admit that computers and the internet have indeed revolutionized our way of life, it is because they have changed many of our ways of doing things and our everyday gestures. Thus actions such as consulting one’s bank account, buying items online, consulting one’s telephone consumption etc…, can be arrived out entirely online. Several professional fields are also strongly affected by the preponderance of computers and the internet. In the medical field doctors have easy access to information new treatments and new drugs. Conventional newspapers, even those traditionally know for their prominence in the print media, are developing their own websites to disseminate news. Several other professional fields can no longer do without computers and the internet, such as aviation, education, hospitality and tourism, etc…

## **Source of information and revenue ( by Nadia Kiro Manga )**

Computers have revolutionized that related individuals, students and businesses work and communicate live.

1. IT compatible as a source of information

The advent and proliferation have force multiplied the use of computers. People all over the world are able to communicate, engage and interact with each other using e-mail snap messages, blogs, social media forum and other options.

b) IT as a Source of income

The computer has many advantages, but most computers have been a source of income for an individual, businesses and even a country. A good example is Mr. Microsoft Windows, well known as Bill Gates. It is the fact that the operating system is known as Microsoft Windows. This is thanks to the Microsoft windows that a computer can start working properly. It is stored on CD and sold worldwide. Countries with companies that manufacture computers, their economy is also contributed by those computers manufacturing companies. Mr. Bill Gates is one of the richest men in the world and he has successfully achieved all that the computer manufacturing companies he has and the magnificent creation of Microsoft Windows.

## **Help to do research ( by Abdoul-Bassit Djafarou )**

The contribution of computers in the methods of research is very significant and can be classified into three categories: Basic research of information, advanced research in the field professional and experimental research by leading scientific laboratories.

Basic searches consist of searching for information on the internet using a keyword. To do this the user needs a search engine, a browser and an internet connection. From the keyword, the user can find all the desired information in a short time compared to the old search methods, which is a great advantage. In addition to the introduction of voice assistants allows you to carry out your research by giving voice commands. Finally recently the giants tech have developed AIs for searching from an image: The algorithm processes the image and returns the objects similar to the detected one, specifying its name and the websites that mention it.

The computer tool has become very important for research even for professionals, especially for health professionals. medical imaging, for example, makes it possible to find anomalies inside the body, where it would be difficult to detect them otherwise. more recently researchers Japanese have used AI to detect cancer with deep learning. Researchers around the world today use technological devices to speed up and increase the accuracy of their research.

At a more advanced stage, we find the large laboratories that use cutting-edge technology to carry out very complex experiments. Last May China launched its Advanced Experimental Superconductor, a nuclear fusion reactor research facility for power generation. This facility is made up of high-precision technological tools because these experiments are very delicate: the EAST succeeded in generating a plasma temperature of 120 million degrees Celsius for 101 seconds and 160 million degrees Celsius for another 20 seconds.

# DISADVANTAGES OF COMPUTER SCIENCE

## **Bad utilization of computer tools (by Djakoidai Tazor Gregoire)**

The computer is a double-edged sword if it is one of the best professional tools, it can also become an addiction. If its use is not moderate and controlled, it can harm studies and to men's Work. Indeed most of us have spent hours watching videos on YouTube or Netflix and surfing social networks; this habit promotes depression and the lack of confidence of many people; for this reasons, many people feel to develop real relationships because most of the time they live in digital. Also with the ease of accessing information, we tend to put in less effort and favor copy/paste.

1. Waste of time

Time is the most precious thing everyone can afford, but what we do with it determines a lot of it. Now people sit in front of their computer all day just gaming and surfing social media and several unproductive activities that bring us nothing good. We spend on unreasonable amount of time in front of our computer for unreasonable reasons, and when we're there, we don't realize how much it harms us physically, psychologically and socially.

1. Laziness and insomnia

We no longer work because we let computers do everything for us and generate what is called Laziness, for example washing clothes by washing machines etc. Currently with the emergence of artificial intelligence, people do not more on inch. Simply outdoor activities like walking in a park or playing sports have been replaced by long gaming sessions and hours of internet browsing creating an extremely tech-savvy but physically inactive generation. Giving up sleep to stay connected to Computers and the internet has become a norm for many young people these days; computers and the internet not only prevent than from getting a good night's sleep, but it also disrupts their normal sleep pattern, which has adverse health effects such as insomnia and eye disease.

## **Health problems ( by Issa Hamadou Ali )**

Digitalization has revolutionned all sectors, including the health sector. It has created new opportunities, leading to an improvement in the quality of patient care. Today technology is taking over the medical field, but it remains very complex for many health professionals. In addition, the massive collection of patient data poses ethical problems.

* Lack of computer knowledge: many nurses and doctors do not have perfect command of technologies. They must therefore seek the help their colleagues to use care management software: write patient report, sent files, etc. This lack of computer knowledge is therefore one of the main obstacle to the use of digital tools in the health sector.
* The computer tool, source of stress: the computer tool is sometime a source of stress in the medical field. A precise procedure must be followed to enter the data into the software, which for the most part is not tailor-made solutions according to the specificities of each establishment.
* The difficulty of mastering current trend: innovation makes possible many advances in the health sector. However, it must be admitted that it is difficult for many health professionals to comply with these trends, which continue to evolve from year to year. From artificial intelligence (AI) to augmented reality via the internet of things and 3D printing, technology is advancing at a prodigious speed. This represent a challenge for professionals in the sector who must constantly.
* The risk of hacking medical device: nowadays, most hospitals are equipped with modern machines of the latest generation. Connected devices are becoming more and more attractive and are establishing themselves as essential tools in the health sector. According to a study, the telehealth is exploding from year to year, it represent 49.8 billion dollars in 2018 and could reach 266 billion dollars in 2066. However, behind these impressive figures, hides permanent danger: the hacking of medical devices. Stealing and selling patient data is not the only lucrative business for hackers. Connected inhalers insulin pumps and pacemakers are devices that can be hacked remotely and cause the death of patient. A survey revealed that many connected (medical) devices do not have a high level of protection.

In addition, there also several other obstacles that hinder the use of technologies in the medical field. For example, many patient do not want to use health application, either they do not know how to use them or because the lack confidence in these programs. They still prefer physical contact with caregivers. The general public’s fear of telemedicine also remains a real obstacle to the generalization of digital tools in the health sector.

## **Cybercrime ( by Domra Peltoum Prosper )**

A cybercrime is a “criminal offense likely to be committed on or by means of a computer system generally connected to a network”. Cybercrime includes three types of offenses:

* Offenses specific to information and communication technologies: these offences include knowledge of automated data processing systems, unauthorized data processing of personal data (such as unlawful transfer of personal information), offenses against bankcards, undeclared, numbers or interception.
* Offenses related to information and communication technologies: this category includes child pornography, incitement to the terrorism and racial hatred on the internet, attacks on private persons and not on public figures, attacks on property.
* Offenses facilitated by information and communication technologies, such as online scams (cyber scams), money laundering, counterfeiting or any other violation of intellectual property.

## **Dangerous disadvantage of using the computer too long ( by Dada Asmaou )**

We spend an unreasonable time in our computers for unreasonable reason, and when we are there, we do not realize how much we naturally affects us, psychologically and socially. Here is a compilation of five dangerous disadvantages of using a computer too long.

1. Waste of time

Time is what everyone can afford more precious, but what we do in determines a lot. Now people stay sitting in front of their computer all day just to play. Although the use of computer as meaning of entertainment is a good idea, but staying club on it for hours is not at all a good idea because it just leads to a loss of time that could have been used for another productive work.

1. Physically inactive

We do not work anymore because we allow computers to do everything. Currently, with the emergence of Artificial Intelligence, people do not work more than one inch, even not to cover a store.

Simple activities of full area like walking in a park or sports have been replaced by long sessions of play and extremely technophistic but physically inactive navigation hours.

1. Tendency to skip meals

When we work on a computer, we often forget to eat and finish by jumping meals. Our mind loses the notion of time and consciousness to make other important activities like eating. Moreover, it is evilly unhealthy because our body needs food a time to get energy and continue to function properly.

1. Insomnia

Abandoning sleep to stay connected to computers and the Internet has become a standard for a large number of young people today. Not only does the computer prevent a good night’s sleep, but he also disturbs their normal sleep rhythm, which has adverse effects on their health.

1. Inability to socialize

Finally, staying club to the computer can make you forget that you are human and you cannot exist alone. The need for socialization is gradually fading with the most time you spend on your computer. The people prefer to discuss online rather than meeting in person because they start developing anxiety when they face people. The development of Artificial Intelligence made the socialization more difficult.

# IMPORTANCE OF COMPUTER SCIENCE IN OUR DAILY LIFE ( Moussa Adoum Wodji )

Some can’t live without it, while others can’t see it! I want to talk about computers. Although some are still mixed or even reluctant towards it, it is undeniable that it is now an integral part of our private and professional life.

Today it is everywhere, a real epidemic! Whether in shops, bars, ATMs, gas station, schools, libraries, airports or at work, nothing work without it. “Computers and the internet on all floors”, one could say, and otherwise there is always the cyber café! Families had to adopt to this new reality. Now everything is done online, no more paper letters. People no longer give their postal address, but rather their email address.

Thanks to the Internet, you can, among other things, chat with your friends all over the world, find information on any subject, publish a text by adding multimedia, listen to music, watch films, register to courses and even follow them virtually, upload or share photos, meet people from different countries, consult bank accounts and make payments, monitor telephone consumption at any time of the day and night, buy and sell almost anything, etc. Several areas of life are also helped thanks to it, we can mention:

* Medicine: doctors can have information on how drugs and treatment, health check,
* Aviation: pilots can communicate with each other remotely through control towers,
* The bank: the banker can transfer money through monetary exchange services.

However, you have to know how to control the time you spend surfing internet, because too much can lead to social problems (with friends or family), back pain, vision problems and even obesity. On the other hand, we must not forget that in life there are wonderful things that a computer cannot bring: contact, perfumes, social life…

# CONCLUSION

To conclude, computer science experience with the onset of social networks have revolutionized the world. We have currently in the digital era where computer science keeps a large place because it is present in our daily life. She suffered in our homes with many computer devices such as telephone, television, appliances and many others, in our schools with more and more ways in the works for teachers to improve their teaching but computer science is also in companies that allow them to grow faster and cost. Like any technology, it has the benefits and disadvantages. That is why many research and developments are done in the field of reducing the number of disadvantages.