## COLLEGE SUPERIEUR DE PARIS

HOW CAN INFORMATION TECHNOLOGIE IMPROVES LIVES

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ACADEMIC YEAR: 2022 - 2023

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#### INTRODUCTION

The development of Information and Communication Technologies (ICT) has strong potential to transform economies and societies in several ways, such as reducing information and transaction costs, creating new collaborative models to increase the efficiency of workers, promoting innovation, and improving education and access to basic services. Innovation seems to be everywhere in the lives of consumers, in industry and service production processes, as well as in public sector tasks. However, while we observe dramatic changes in people's lives, it is difficult to find any effect in productivity statistics. Researchers argue about why macroeconomic statistics are not showing increases in productivity that point to a new industrial revolution. Our hypothesis is that the effects of the current revolution on the economy might be reflected. In the future lines I will show you what technology did as changes in out lives.

# I. How technology increased our convenience?

Information technology has made many aspects of our lives more convenient. For example, online shopping and banking, mobile payment systems, and the ability to access information and entertainment from anywhere with an internet connection.

Thanks to technology, it's now easier to go to work or perform household chores. There are various gadgets and equipment that help people live their lives more conveniently. It has also influenced various fields in today's society, such as transportation, education, and medicine. For instance, technology has allowed people to pay bills, order food, and track their fitness progress online without leaving the house. This convenience gives people more time to do activities they enjoy outside of their everyday routine. Digital literacy sharpens the language skills of learners and makes them more aware of the right selection of words while communicating with others. Today, when the world interacts through social media, this knowledge and etiquette help them to interact effectively and with others. Even when time-saving measures could have a detrimental effect, most people want to save time in any way they can. So, when the time comes to fulfill wants, convenience becomes even more prized. We don't want to "work" at something in our free time.

What are examples of convenience of technology?

- Communicate Easily with Technology. This is the most obvious one
- Technology Makes Shopping Easier. In the past, people needed to go to the marketplace or shopping malls to do some shopping.
- Technology That Leads to Easier Learning.
- Simplify Cooking with Technology.

### II. How technology improved Communication

Since the mid-1990s, the Internet has had a revolutionary impact on communication, including the rise of near-instant communication by electronic mail, instant messaging, voice over Internet Protocol (VoIP) telephone calls, two-way interactive video calls, discussion forums, blogs, and social networking. Now, digital methods have superseded almost all other forms of communication, especially in business. I can't remember the last time I hand wrote a letter, rather than an email at work, even my signature is digital these days. Information technology has revolutionized the way we communicate with one another. The internet has made communication easier and faster, it's allowed us to stay in contact with people regardless of time and location. It's accelerated the pace of business and widened the possibilities within the enterprise space. It's allowed people to find their voice and express themselves through social media, YouTube and memes. He has connected and divided us like nothing before. We can now send messages and make calls instantly, anywhere in the world. Social media platforms have also made it easier to stay connected with friends and family, no matter where they are. Technologies make communication easier and let people communicate at long distances. There has been a movement away from face-to-face meetings to virtual communication. Technology has brought a revolutionary transformation in the way we communicate with each other. Technology has changed everything in the modern society. The way we communicate has been revolutionized by the advancement of new innovation in the telecommunication sector. Connecting with other people with ease is more feasible in today's world and this is due to speed.

What are some examples of technology used in communication?

- Phone
- Email
- Blogs
- Social media
- Vlogs
- Podcasts
- Livestream
- Online chat

### III. How technology enhanced education

Information technology has made education more accessible and interactive. Online courses, educational videos, and e-books have made learning easier and more convenient. Additionally, technology has transformed the way teachers deliver lessons, making it possible to engage students in new and creative ways. Teachers want to improve student performance, and technology can help them accomplish this aim. To mitigate the challenges, administrators should help teachers gain the competencies needed to enhance learning for students through technology. Additionally, technology in the classroom should make teachers' jobs easier without adding extra time to their day. Leaders and administrators should take stock of where their faculty are in terms of their understanding of online spaces. From lessons learned during this disruptive time, they can implement solutions now for the future. For example, administrators could give teachers a week or two to think carefully about how to teach courses not previously online. In addition to an exploration of solutions, flexibility during these trying times is of paramount importance. Students can collaborate on group projects using technology-based tools such as wikis and Google docs. The walls of the classrooms are no longer a barrier as technology enables new ways of learning, communicating, and working collaboratively.

#### Importance of Technology in Education

- Easier teacher-student communication and cooperation
- Information has never been so accessible
- Online education
- Improved development of student critical thinking
- Modern classroom

## IV. How technology improved Healthcare:

Information technology has transformed the healthcare industry, making it possible to diagnose and treat patients more effectively. Electronic health records, telemedicine, and medical imaging technology have made healthcare more efficient and improved patient outcomes. The benefits of information technology in healthcare or Health Information Technology, as else called, are plenty. To begin, IT enables health practitioners to store and retrieve data relating to a patient's health records. It also enhances the communication of patient information through a legible format that anyone can use. The use of medical technology tools safeguards patient safety. First, there are alerts on medication, flags and reminders, consultation and diagnosis reports, and the easier availability of patient data. Also, an electronic recording of data can lead to uniformity of practice across all health practitioners. Finally, using an electronic health record can improve provided care for common conditions based on past evidence.

#### Medical Technologies

Someone cannot argue that technology in healthcare is a new thing. We use medical technology from the most severe case to the simplest medical case, like breaking a bone. In recent years there have been many groundbreaking advancements in technology in healthcare:

- 3-D printing: 3-D printing has been around for some years in many fields. When
  it comes to medicine, it creates implants or even joints for surgery. It is also
  prevalent in prosthetics as it can create perfect matching limbs allowing extra
  comfort and mobility.
- Artificial organs: Like 3-D printing, but for actual and operational organs, the patient's immune system will not be rejected.
- Health wearables: They Began as a fitness tracker to track heart rate and pace, and they highlighted healthcare potential. Health wearables can detect cardiovascular anomalies earlier and prevent severe conditions.
- Telehealth: It is a very up-and-coming market that allows patients receive
  medical care through digital devices. Patients can easily have access to their
  doctor while they can receive a diagnosis and medical advice. You'll need the
  right platforms for this; such as a website builder and CRM

## V. How technology increased Productivity:

Information technology has increased productivity in many industries, by automating repetitive tasks and making it easier to access and analyze data. This has led to improved decision-making, more accurate forecasts, and a more efficient use of resources. The importance of productivity becomes clear when it is related to our standard of living. A country's standard of living is a reflection of consumers' ability to consume more while spending less. The level of productivity is one way to determine the standard of living for a country. In order to compete, some organizations have turned to information technology to help provide more valuable goods and services at a lower price. This should ultimately help the company become more profitable.

Technology is a beautiful thing and it is come quite a long way over the years. One of the many things technologies has done is increase business productivity. This has happened with information technology in quite a few ways

- Use Virtual Private Networks: one of the ways you can use technology to increase business productivity is by using VPNs. This will allow your employees to work outside of the office which can increase business productivity. An example of this would be a parent having to stay home due to a sick child. If you had a VPN, the parent could work from home.
- Use Video Conferencing Software: Video conferencing software has become
  quite popular in the last year or so. The reason being it can really cut down a
  business's out-of-pocket cost. If your business has to pay people to fly in, pay
  for their room and board, you could drastically cut cost with video conferencing
  software and not have to stress with flying them in. It is also a great technology
  tool to use for sharing things with employees.
- Use a Networked Voice and Data Solution: you can also increase productivity
  if you use a networked voice and data solution. With this technology, you won't
  have to worry about you or your employees missing calls and other important
  data. The employees are able to access their voicemail, email, and faxes from
  one inbox.
- Use an Outsourced IT Service Provider: another way to increase business productivity by using technology is by hiring an outsourced IT service provider.

### VI. How technology Improve entertainment?:

Technology has also improved our leisure time. We can now stream movies, TV shows, and music, play video games, and access a range of other forms of entertainment from the comfort of our own homes. Entertainment technology helps people relax and enjoy some free time. The latest technology has revolutionized daily entertainment. Today, technology is ubiquitous and responsible for every aspect of our lives. There's no way we'd be here if it weren't for its influence. In fact, several social media platforms, including Instagram, Facebook, Twitter, and others, are gaining popularity in tandem with the emergence of cutting-edge technologies.

The graphics quality of video games has improved dramatically, and consoles, Dolby audio, and other technology have made gaming better. Moreover, the advent of globalization has enabled individuals to access high-speed Internet from anywhere in the world via their mobile phones. This is something that was unimaginable twenty years ago.

#### Some examples:

Music and Technology Are a Perfect Match:

The digital age has seen technology become increasingly integrated with music. And, technological advancements have improved the quality of the music you hear and enabled stereo systems to evolve into Dolby Digital Audio Systems. It is aimed to improve music quality, make it affordable, and provide a platform for independent musicians and emerging artists. In the beginning, compact discs sparked a revolution in the music industry, as they were cheaper to burn. However, with the advent of the digital age, you are no longer required to stream music from the Internet using MP3 technology. It is possible to download an app that allows you to listen to any song you desire without downloading anything. Technology has also produced innovative compositions in the music industry in recent years.

- Future-oriented TV and movies As we looked back a few years ago, nobody would have predicted that by 2021 streaming video services would be able to take advantage of new opportunities afforded by technological advancements.
- A Technological Upsurge in Gaming

Today, most online casinos use their online counterparts rather than their brick-andmortar counterparts as we move into the 21st century. Similarly, slot games use the RNG or Random Number Generator technology to ensure they are Provably Fair.

# VII. How technology improve business and commerce:

Technology has revolutionized the business world, making it easier for companies to reach a global audience and for individuals to start and run their own businesses. Online shopping, mobile payments, and digital marketing have all made commerce more convenient and accessible. Today, we cannot even consider doing business without the Internet, video conferencing, project management apps and more. In fact, the role of technology in business will only continue to expand. This fact necessitates incorporating technology into your processes if you aren't already doing it. So, it's time to get familiar with technology and here's how to become more tech savvy.

Here are a few reasons why technology is key for businesses:

Communication: technology enables a faster, wider and more efficient means of communication. This will include interactions within your team or with your clients, potential customers, investors or the general public. Video conferencing technologies, like Skype and Zoom, make meetings from across geographical borders convenient.

- Security: with the rise in cyber-crime and data breaches, tight security is imperative for all businesses. Today, all business assets are mostly stored in the cloud or on endpoints. This has made it necessary for companies to adopt strict measures to keep their data as well as that of their customers secure.
- Efficiency: technology helps increase the efficiency of systems, products and services. It helps track and streamline processes, maintain data flow and manage contacts and employee records. In fact, this increased efficiency in operation helps reduce costs as well as enable the business to grow rapidly.
- Employee assistance: most employees feel the need to use the latest technologies in performing their tasks with the belief that it will help them deliver the best results. Companies need to consider the cost-output relationship and provide suitable technology to enhance results.
- Time and money: there's no doubt that technology helps businesses achieve
  more in less time, with no detriment to the quality of product or service. In fact,
  technology is now performing repetitive tasks that were earlier performed by
  people. This helps by saving on employee costs, or having them work in areas
  where they are really needed.

#### CONCLUSION

To conclude our lives are now more interconnected than ever, yet this can come at the cost of our privacy and security. Cybersecurity threats are now commonplace and can cause serious disruption to our lives, while issues such as cyberstalking, sexting, and cyberbullying have all become issues that must be addressed by responsible adults and children alike. Overall, information technology has greatly improved our lives by making information and services more accessible, increasing efficiency and productivity, and providing new and exciting ways for us to communicate, learn, and be entertained. Information technology has greatly improved our lives by making many tasks easier, faster, and more efficient.