

## **Positive Impacts of Technology**

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**Abstract.** Technology advancement has helped us in various aspects of daily life such as commerce, governance, entertainment and many more. Several studies and research have been conducted as to ensure the capabilities of these various technologies can give a good impact to the society that enhance their productivity in daily work.

*Keyword- Technology, impacts, society.*

### **Introduction**

Technology nowadays has become part of our lives. Technology has given us a various of tool and devices that can facilitate us for the specific purpose. Maybe some of us are not aware that the technology has helped and facilitate us a lot in our daily lives. We can say that most of our daily work is done by technology which is more effective and efficient. When we talk about the use of the technology, it involves various types of field and person. For example, the doctor uses the technology in medication, the workers use a various of technology in industrial zone, the teachers use various of platform and devices in learning process and many more. So, we can't deny that the technology is evolving from day to day that has helped us a lot in daily work. Many research and studies has been conducted as to know if the technology is helping us or not. Most of the research and studies that has been conducted shows that the technology is one of the essential part which can solve most of the complex problem that need something or tools to solve it. In nowadays, technology advances have enhancing from time to time. It is because there are a lot of personal innovativeness and daily experience that effect of this advancement of the technology. The passage of the time also has effect the development of the technology as we live in the era of technological advancement. The tagline which is "information at our fingertips" is related to us for nowadays as we can see there are a lot of technology invention and creation that give us a lot of impact in our daily lives. If we want to know if the technology that have been used is effective and relevant or not, we need to examine and analyse the technology either give a benefit or not. For example, the

uses of technology in the learning and teaching process. If the teacher can utilize all the technology or devices for teaching process and student can understand what their teacher want to conveys, it means that technology that been used is effective and give good result and outstanding impact in the future. So, can determine that impact of the use of this technology can be seen from various aspects and people can have it equally without doubt.

## **Impacts of Technology in Society**

### *Education*

Technology advancement has given us a lot of impact that allow us to think and move forward with the line of technological era. Before we going to the other aspects, education is the most important to look out because it a main root for the other fields such as economic, medication, administration and the other aspects. There are a lot of technology that have been used in the education as to ensure teaching and learning process become more effective and efficient. If we look at the field of education then and current, it has a very significant difference as the teaching and learning process become more sophisticated time from time to time by using technology that have been invented which facilitated the education process. Most of the people agree that the technology has changed a lot of pattern in the education process and gives a huge impact for the society itself. According to the Sean M. Leahy, Charlotte and Francis Ward (2019), there are three technologies that can be classifies as domains for the technology that can be used in the classroom which are opening learning spaces, augmented reality (AR) and artificial intelligence (AI). Each of the technology have their own specialty which can give benefits for the teaching and learning process. For the example, artificial intelligence technology can give an impact for the educational process which are combining human intelligence and computerizes systems that provide the people or learner better learning experiences and also help teachers to solve the complex problems regarding the topics or subjects that they taught. With the technology that have been provided, they can explore on their own for the additional knowledge and better understanding but it need full guidance from the teacher or responsible person as to avoid mistake and misunderstanding which can lead to the error in the future. So, the impact given by the technology in education is very effective that can give various of benefits and also for the society.

### *Economic Growth*

When we discussed about economy, it can be related to the technology which is main component for the growth an economy in a country. The advancements of the technology have driven the current economy situation become easier to handle and know the current issues regarding economy which is important to look out and

analyse carefully. As we live the information and communication technologies era, we can see the superb changes from time to time. Many research and studies have been done the research as to analyse the relation between economy and the technology. They also found various positive impacts about the technology usage on economic growth. We cannot deny the statement that technology is one of the contributing factor for the economic growth. Without a good economy, maybe it difficult for the country to develop and progressive along with the current situation especially country that has a lack of sophisticated resources and technology. The impact of the technology on economic growth can be seen in a variety aspect such as business, government and individual. The current technologies that have been used in economy is depends on the computer and systems uses which determines whether it is effective or not. Sometimes, the old or not updated technology and system can be factor for the economy failure or slowly build. First, the impact on the business regarding economic growth. In nowadays, business field is one of the famous sector where everyone wants to compete as to improve their standard of living. This business field can be divided into two units which are individual business and organization business. There are a lot of technology and alternatives that can help them to improve their business in daily life. According the Edna Maeyen Solomon and Aaron van Klyton (2020), they stated that the uses of technology in the business sector can increase labor productivity and also increase competitive in a healthy way. This is because the technology that have been used for the business sector can speed up the time to start any business they want and decrease the cost at same time. They also have make a research regarding the usage of technology for economic growth in Africa. With the uses of the technology, the African people that involved in this business sector can improve their live standard and be more creative as to attract the others to support their business. Then, the impact on government regarding economic growth. The successful government has a good system and technology that can help them to govern the country easily. It hard to govern or handle the structure and management of the country especially the country has an overcrowded population and citizens. So, the government can use a technology as an alternative to facilitate them in governing the country well. Bruce Bimber (2000) stated that the government can implement any technology or alternatives to facilitate them in their daily governing such as implement e-government as to provide an effective decision making in management and also public services to the citizens in a country. With this alternative, the government can improve their efficiency in providing their public services to the citizens which can captivate the citizen's heart for the long term. Maybe it sound cliché but the government must be wise in govern the country itself so that no bad things or catastrophe in the future.

Last but not least, the impact on individual regarding economic growth. All the people in nowadays have their own technology which are devices or anything that computerized for their daily work or task. Some of them maybe use this technology as to contribute for the economic growth in their country. We can see the people use any technology or devices for sharing the information with the others. The good information can be benefits for the receiver for their additional knowledge and understanding. The good thing is we can access any information that we want across the fields or sectors. For example, the doctor can access the information about journal

and mass communication field as the general knowledge that can be useful for the future purpose. Edna Maeyen Solomon and Aaron van Klyton (2020) stated that most of the African people use their mobile phones as devices in sharing information with the others across any sectors and field which can contribute the economic growth and good impact to their country.

#### *Good output & productivity*

The impact given by the technology in nowadays has given a lot of positive especially for our daily work. It doesn't matter what types of field that you work, technology has played as a major role in facilitating our work become more effective and efficiency. It depends on how we used the technology to solve the problem and be as an alternative or tools in our daily work. The technology is very important especially for developing country. Any process that have been done by the country will involve the application of the technology in a various aspect as to produce the good result in the future. Previously we discussed about the impact of the technology on economic growth but now we look out how the technology can give an impact to the output and productivity. The output and productivity term is one of the term that have been used in economic growth. Generally, the technology has been outsourcing for industry and also for economic growth itself. Certain firm or organization has outsourcing the technology which involved many process as to provide economic evidence that can give a good impact and contribute for economic growth. According to Grace Kite (2012), the information technology (IT) has created a good result and evidence which increasing the output and productivity for an organization or firm in line of developing a world class in economic sector.

Grace Kite (2012) also stated that the approach that have been used which is outsourcing the technology (IT) for output and productivity has made impact for the organization to produce a good product that will be measures the efficiency with look into the numbers of input that been converted to the output. Productivity and output are difference terms but it very closely related because productivity will be measured on a number output that have been produced which is including cost of raw materials and other inputs that have been used for value of goods and services. So, technology has given a huge impact for the organization and also functionally as medium that can increasing the efficiency in producing the goods or services and become the main component to organization's productivity and output in specific period of time.

#### *Sustainability*

The evolvement of the technology has changed our thinking and pattern that can help us to solve the problem in the future without any doubt. We have aware that the capabilities of a technology are depend on current problems and need to incur some costs to purchase the suitable and appropriate technology. Many organization and firm has implement a strategy as to find out the right technology that can be purchase.

They also need to know the function of that technology like devices and need to hire people or appoint one of the people in organization to sustain and take good care of that devices. This is very important because the devices or equipment that have been purchase need to avoid any failure or damage which can cost totally expensive to purchase the other one if the devices have been damaged and is not working. According to Anna Lisa Junge & Frank Straube (2020), the implement of technology in the companies has increase the sustainable for logistics and supply chain management process especially for manufacturing companies. With this implementation, it will give a good impact for the companies such as enhance the agility and raise the productivity to the desired target and give a good image that will be good acceptance from the companies involved. Anna Lisa Junge & Frank Straube (2020) also stated in their research that there are two dimension which are environmental and social that will determine the overall score for the use of technologies, financial aspects and the rate in value creation.

According to Minhao Gu, Lu Yang and Baofeng Huo (2020), the sustainability of the technology is depending on how the companies or firm exploit and explore the uses of the technology that can bring benefits for their daily work. It also stated that the patterns of technology especially information technology (IT) use in supply chain management can impact to the companies when they want to integrate with suppliers in purchasing materials and inventory. When the companies are successfully sustaining the technology, they can enhance their performance between the supplier and customer as to build an effective integrated relationship.

## CONCLUSION

In conclusion, technology become more reliable that can be part in our lives as to cope the complex problems that we faced and also can be an alternative to do our daily work. As we can see, the development of technology plays an important role in our society nowadays. It has positive and negative effects that can impact for our daily lives. Before we going through the impact of the technology, we have to know the main reason the technology is created and develop. Maybe some of them thinks that the uses of technology in certain work or research is not important at all. But, we need to re-analyse and study that the technology has progressed from time to time. If we look at the past, there are many researchers make research and study about the importance and impact of technology as to improve our lives standard in line of information and communication technology era. We need to sustain the technology that we have for the future and continuous research. There are various impacts that given by technology to our daily works. For example, the business process is very different with the past and now. The technology has created an opportunity to the people or organization that involved in the business field become more creative and innovative with using all the technology that has been provided such e-commerce which can enhance the process buying and selling of products on online become more effective and efficiency. So, the advancement of technology gives us various impact that can benefits for the future purpose and also enhance our living standards which is important to move further become more successful.

## References

- Bimber, B., 2000. The study of information technology and civic engagement. *Polit. Commun.* 17 (4), 329–333. <https://doi.org/10.1080/10584600050178924>.
- Gu, M., Yang, L., & Huo, B. (2020). The impact of information technology usage on supply chain resilience and performance: An ambidexterous view. *International Journal of Production Economics*, 107956. doi:10.1016/j.ijpe.2020.107956
- Junge, A. L., & Straube, F. (2020). Sustainable supply chains – digital transformation technologies’ impact on the social and environmental dimension. *Procedia Manufacturing*, 43, 736-742. doi:10.1016/j.promfg.2020.02.110
- Kite, G. (2012). The Impact of Information Technology Outsourcing on Productivity and Output: New Evidence from India. *Procedia Economics and Finance*, 1, 239-248. doi:10.1016/s2212-5671(12)00028-7
- Leahy, S. M., Holland, C., & Ward, F. (2019). The digital frontier: Envisioning future technologies impact on the classroom. *Futures*, 113, 102422. doi:10.1016/j.futures.2019.04.009
- Solomon, E. M., & Klyton, A. V. (2020). The impact of digital technology usage on economic growth in Africa. *Utilities Policy*, 67, 101104. doi:10.1016/j.jup.2020.101104