

A BRIEF ANALYSIS ON-IMPACT OF TECHNOLOGY ON SOCIETY

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Abstract—In this current era technology is playing major role in every field. At the same time technology also impacts society adversely. In this paper we have analyzed some points related to technology, society and impacts of technology on society. We have also highlighted on some points related to minimize the adverse impact.

1. INTRODUCTION

Technology refers to methods, systems and devices, which are the result of scientific knowledge being used for practical purposes. Technology and human life cannot be separated; society has a cyclical co-dependence on technology. We use technology; depend on technology in our daily life and needs and demands for technology keep on rising. Humans use technology to travel, to communicate, to learn, to do business and to live in comfort. On this basis, we can categorize technology into 6 types:

1. Transportation
2. Communication
3. Construction
4. Energy and power
5. Chemical and biological
6. Manufacturing

2. TYPES OF TECHNOLOGY

2.1 TRANSPORTATION

As we, all know that transportation is the movement of humans, animals and goods from one location to another. Modes of transport include air, land, water, cable, pipeline and space. The examples of transportation technology are:

Self driving automobiles, smart cars, next generation GPS devices, high speed rail networks, gyroscopic vehicles, blockchain, battery- powered electric buses.

2.2 COMMUNICATION

Communications technology also known as information technology, refers to all equipment and programs that are used to process and communicate information. Information and communication technology (ICT) is an extensional term for information technology that stresses the role of unified communications and the integration of telecommunications. The term ICT is also used to refer to the convergence of audio visual and telephone networks with computer networks through a single cabling or link system. Communication technology include the internet, multimedia, e-mail, telephone and other sound based and video based communication.

2.3 CONSTRUCTION

Construction technology is a branch of civil engineering. It refers to the collection of innovation tools, machinery, modifications, software, etc. The examples of construction technology are: mobile technology, drones, building information modeling (IBM), 3D printing, artificial intelligence.

2.4 ENERGY AND POWER

Energy technology is an interdisciplinary engineering science having to do with the efficient, safe, environmentally friendly and economical extraction, conversion, and transportation targeted towards yielding high efficiency whilst skirting side effects on humans, nature and the environment.

3. IMPACT OF TECHNOLOGY

As every coin has its 2 sides, similarly if technology is a boon then it can also become a curse.

One of the negative effects of technology in society, is how quickly it is pushing younger generations into maturity. Some technology advances cause people to be distracted, overly stressed and increasingly isolated. Many people are involved in an abundant number of relationships through technology, but sometimes the quantity of these associations leaves people feeling.

As we all know society consist of people. The society in developed countries will be divided into 2 major groups. On the one hand there will be technophile people who embrace the new possibilities which information technology offers to their lives. On the other hand there will technophobic people , who will obstruct the inroads of information technology into their daily lives.

Technology has huge part in society and day-to-day life. When societies know more about the development in a technology, they become able to take advantage of it. The use of technology in education provides students with technology literacy, information literacy, capacity for life long learning and other skills necessary for the 21st century workplace.

There is no doubt that technology is playing a critical role in developing societies as countries depend on it in all disciplines of life. Countries all over the globe are competing to invent and develop the highest technological devices that can maintain the highest efficiency and accuracy of the work. The use of technology kept rising dramatically that people used it in tiny things. Starting from 1980's, people started to use technology everyday. That overuse resulted in many negatives. One of the negative sides of the rapid use of technology on societies is the health issue. These issues can mainly divided into 2 main categories which are mental health problems and physical health problems that consists of weakening of eye sight, blurry vision and eye soreness.

On focusing on types of technologies, today, transportation provides people with a way to carry goods from places to places. It is meant for people to save their times. The transportation system had developed so well that people now rely on the system every single day. It conveys socioeconomic benefits, but at the same time it impacts our environment. The new ships and trains made it easier, for example, to cut timber in one place and ship it somewhere far away. One more example is BLOCKCHAIN technology. The blockchain is an indestructible digital ledger for keeping track of economic transactions which can be programmed to maintain not only financial transactions but virtually everything that has value. This decentralized ledger is not controlled by any financial institution or government for that matter. In fact, it can be accessed by everyone who has a good internet connection. Other than virtual currencies, there are many companies such as messaging apps, critical infrastructure security, cloud storage, etc. are harnessing the power of blockchain technology. This technology also have some negative impacts which are:

EXTREMELY VOLATILE

One of the reasons behind that extreme volatility is that both the decentralized blockchain technology and the virtual currencies are extremely new to market. Which means that the companies, investors, governments, and other groups adopting or not adopting them will greatly affect the volatility.

CRIME

Because of the anonymity that exists in decentralized blockchain and virtual currencies which rely on them, they have become a second home for all illicit transactions. One good instance for that is "SILK ROAD", a digital black market.

Now coming to the most popular area of technology, which is communication. The main benefit of communication technology not often talked about is the technology's ability to give disabled people the ability to communicate. But this technology has high impact on children lives. Instagram, facebook, and snapchat have altered the way generation y culture is understanding the world and thus how they view themselves. "Facebook depression" is when users are so affected by their friends' posts and lives that their own jealousy depletes their sense of self-worth.

Now thanks to construction technology, companies are able to do just that and construct, develop and complete large-scale housing development projects with a quick turnover. And one more thing is: construction companies are helping contribute to the global warming, as a result of deforestation and destruction of natural habitats. A recent study established that we lose over 1000 species, both flora and fauna each year due to loss of natural habitats.

4. PREVENTIVE MEASURES

While there is no denying the fact that technology has changed the modern life for better, at the same time, negative effects of the same technology on the health cannot be ignored either.

To negate these effects, it is essential to make some changes in the lifestyle immediately for a healthy and stress-free living.

Some of the ways one can achieve this goal are given below:

Limit the use of gadgets

Start with limiting the use of the gadgets such as smartphones, laptops, tablets, the internet, etc. Set strict rules for yourself like checking social media only twice a day or not checking phone after 9 PM.

Get a comfortable, good night sleep

One of the major ways technology is affecting lives by causing sleeping disorders like interrupted sleep, no sleep at all, etc.

Avoid rushing for everything

Technology makes us very restless because we want to get hold of latest news,

Before anyone else does, there is no harm in taking things, at a light pace. You are not supposed to read every single piece of the article available on net or print it. Try to stay calm and take up things which you can handle, at a time.

5. CONCLUSION

Technology has made our society make it to the point of ignorance to the fact that there might be a day when our technology does not work and they cannot, at the moment, live without it. We have grown to rely on our technology to make our lives easier. If our technology were to go away, our lives would be really tough for a while until everyone learned to live without it.

As started with the GPS problem, the world would simply have to struggle for a while and eventually adjust. School children will soon go back to the tedium of hand-solving all of their math problems, college students will struggle with their even more complex calculations, and adults in business and math/science fields would most likely be brain-dead after doing all of their calculations be hand simply because of the complexity and how long and hard they have to work to accomplish everything. Our grandparents had to live the lives that we do, but just with less technology and they have turned out to be some of the wisest people we know. How do they do it? By taking the time to slow down and learn these basic skills that can help us to work more efficiently in our fast pace society.

REFERNCE

- [1] <https://en.wikipedia.org/wiki/Technology>
- [2] https://en.wikipedia.org/wiki/Information_technology
- [3] https://en.wikipedia.org/wiki/Technology_and_society
- [4] <https://www.useoftechnology.com/technology-society-impact-technology-society/>
- [5] <https://myessaypoint.com/how-technology-effects-our-society>