

Social Constructions of Technology: Impacts on Everyday Life

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Abstract: Science and Technology is an integral part of human life that keeps a strong affect on social and cultural life. The radical development of science and technology has made the human life simpler, convenient systematic & better. Today the importance of time, space and distance are continuously decreasing with technological advancement. On one hand, science and technology made the common life simple and convenient, while in others and it has many negative impacts on social life have also grown in the society. Despite all, even today, science and technology is seen as a major factor in the formation of a better world. Whether it is the economic zone or the social and political arenas, all are affected by such change. Everything in our day to day life is affected by Science and technology. This research paper is based on secondary data, as well as personal observations to face in daily life. It's an evaluation of their social impact on everyday life, based on the applications of science and technology. At the same time, it is a proactive effort to minimize the negative consequences and the social struggles born by this technological evolution.

Key Words: Technology, Everyday life, Social Change, Social Evolution, Technological Impacts.

1. INTRODUCTION:

Social construction of technology is a mutual theory based on interrelation impacts of Science and Technology on Social Life. Its main theme is as Culture Creates the Environment and Technology not the reverse, means that technology does not determine human action, but that rather, human action shapes technology. It is about the interaction between science, technology and society. There should be no confusion that there is sufficient difference between Science and technology. Technology has been developed only on the basis of science. So far there is a need to understand the relations between the technology and the society. It is essential for us to know about the 'material' and 'forms' of science and technology for the change of society. Otherwise, it will not be able to gain insights regarding its actual use. And this is not only an intellectual uncertainty, it is also social behaviour. These are not an abstract question. There is a need to explain it. It is directly related to our economic, political, socio-cultural discussions. That is why the conditions of the social system express the science. Despite the existence of science, due to backward social relations, the speed of development of science also becomes dwarfed. In order to overcome this crisis, initiatives will be taken to remove science from the anti - trafficking system for social change. Continual progression of advanced technology made the human life simpler, better and more convenient. However, there is no area that has not been affected by the development of science and technology, but due to the complex interconnections of these areas, it is difficult to explain them separately. Science and technology have all its positive and negative effects on all these sectors. In order to facilitate the study, they can be divided into 10 major areas, as follows:

- Social & Cultural Sectors
- Agriculture & Manufacturing Sectors
- Health & Medical Sectors
- Food and Food Processing Sectors
- Housing and Habitat Sectors
- Atmospheric and Environmental Sectors
- Transport & Traffic Sectors
- Education, Training & Research Sectors
- War ,Peace and Conflict Management Sectors
- Information & Communication Sectors

2. DISCUSSION & FINDINGS:

Now let us talk about these multidimensional sectors and their intersected arena. Start with the first one as-Social & Cultural life. I think, this is the area, mostly affected by the development of science and technology, is the social and cultural environment of human beings. As far human beings developing today, are successively getting far from their cultural environment. It is becoming more oriented towards the physical aspects of culture (which is known as civilization or material culture), as a result, its direct impact is on the social structure. Today human being is behaving like a machine behind these physical objects. He is just becoming a means of making money. This tendency

of man has widely affected the most basic unit of social structure (which is known as a family). Today, the joint families are constantly breaking down, and their place is being taken by the singular family. Today, institutions like marriage are showing rising towards live-in. There is a problem of reconciliation with the elderly, inter-generational conflicts, etc., which are gradually fading Indian culture. Now let's try to figure out what else and how much contribution is there for the development of technical and scientific advancement?

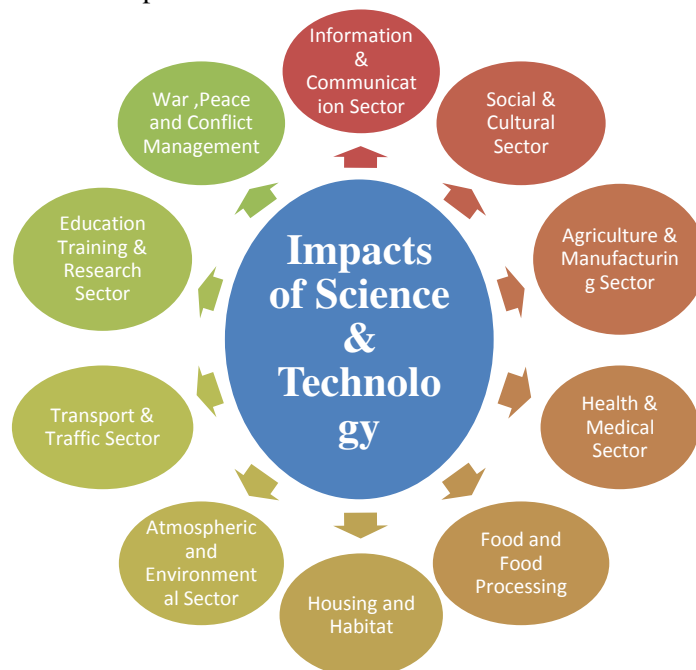


Figure No 1.

Impacts of Science and Technology in Every Day Life: A Segmental Division

New inventions in the field of science and technology have played a great role in modernizing the daily lifestyle of the people. Science and technology have made people's lives easier, convenient and advanced in several aspects than the ancient times. On one hand, the advancement of science and technology has influenced the lifestyle of people directly and positively, while on the other hand it has also indirectly and negatively impacted on the health of the people. Today, new inventions and technological development are considered as a paramount of development. In this competitive society, we need more techniques to grow and become a successful person in life. Scientific development, whether it is about a country or a person, it is associated with the proper growth and development of the techniques in many ways. The technological advancement is there, where there are new inventions in science through high skill and professional scientists. Development in the field of science and technology is very important for people of any country to be with the rest of the world. The technological advancement depends on the analysis of the facts and the proper understanding of current web of scientific advancement. The development of technology depends on the methods of application of scientific knowledge. While promoting the socioeconomic condition of the country, it is essential that improvement should be brought into the enhancement of per capita income; living standards of people, the educational structure etc. are the key facts to be considered. In the absence of all that, one country lags and the possibilities of developing it can be minimal.

How Technology has changed our Life?

Now the burning question comes as how the process of technological development has changed the social constructs and at what dimensions? We are running the time of science and technology, and very much dependent on scientific inventions to make our life easy and convenient. In that condition, technology has influenced the lives of human on a large scale. It has made life easy, simple and fast and convenient. In the new era, the development of science has become very necessary to bring the trend of motorized vehicles by eliminating the era of a bullock cart. Modern equipment has been discovered and explored to properly operate every field of human betterment and to solve almost every problem of our daily life. It was nearly impossible to get the benefits without applying it in research areas of medicine, education, infrastructure, energy generation, information technology and others. Whatever improvements we see in our daily life are all due to the development of science and technology. For the continuous development and growth of the country, it is very essential to walk with aspects of science and technology. The villages are now being developed as cities and towns are in the form of cities, and in this way there has been development in the areas of the economy. India is a country having rapid growth in terms of science and technology at this stage and moving towards a grand master of science and technological concerns.

Impact of technology in society, have always been a matter of discussion since early age of civilisation. On the one hand, it is necessary for the modern life, where other countries are constantly developing in the field of technical and science, while it becomes necessary for other countries too, that they are equally powerful for future protection and scientific development has become very much needed to grow well. It is the science and technology that have helped other weak countries to become more powerful and powerful. All these advances show us how both are essential for our life equally. We can see the difference in our lifestyle by clearly comparing the ways of life of the ancient times and the ways of the modern times. The highest level of scientific and technological advancement in the field of medicine has simplified the treatment of many diseases that were not previously possible. Help in the effective treatment of physicians (doctors) in the treatment of this disease through medicines and operations, help in researching diseases like cancer, AIDS, diabetes, paralysis, et. Applying science and technology to people's lives is a very old way, which is in vogue from the time of the Indus Valley Civilization. It has been found that nearly five inventions were made to search for fire and wheels. Both inventions are called the father of all the technical inventions of the present time. Through the invention of fire, people had to know about the power of energy for the first time. From then on, the interest grew into people and they started making more difficult efforts to research on many means to make lifestyle easier and easier. Now culture is being globally and globe is being local day by day. Take an example within the transportation system:

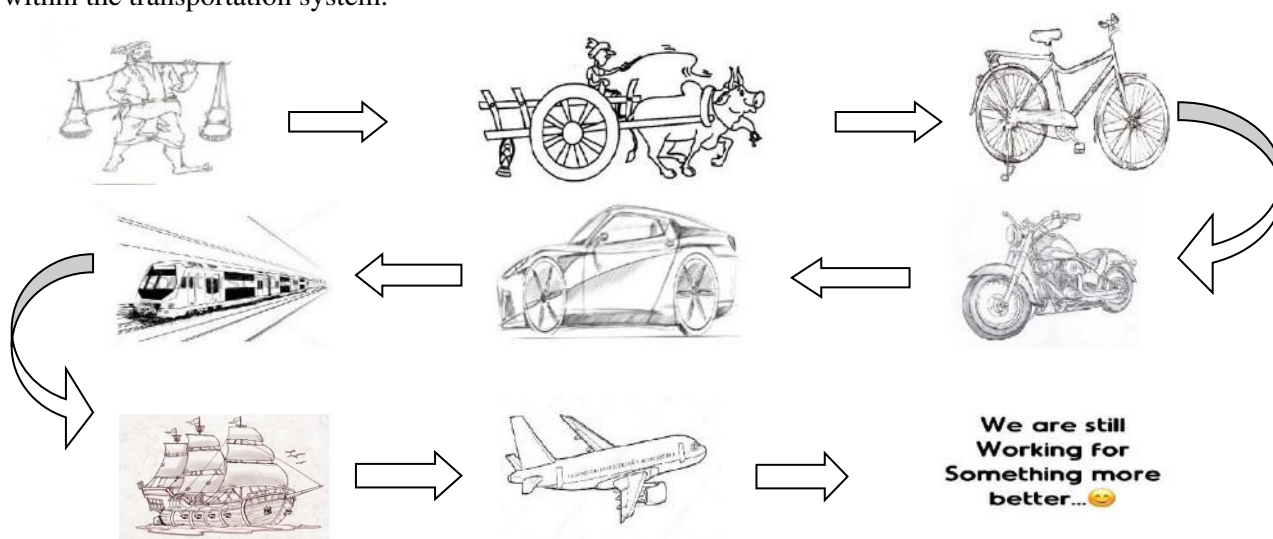


Figure No 2
 Impacting Everyday Life: A general representation of transportation system
 (Effected by development of Science and Technology)

Now, let us try to understand some positive and negative effects of such scientific advancements in our daily life, and discuss their relevance and mutual interconnectivity with each other.

Positive impacts of Science and Technology on Social Dimensions	Negative impacts of Science and Technology on Social Dimensions
<ul style="list-style-type: none"> • Improved Transportation • Improved Communication and Info Systems • Improved Education and Learning Process • Advanced Productive Agriculture • Increased Education Rate • Increased Social Awareness • Internal and External Social Security • Population Control and Helth Related Awareness • Social and Sustainable Development • Enhancing Humanity across Globe 	<ul style="list-style-type: none"> • Social Distance and Disorders • Depression and Neurosis Problems • Developmental Issues in Children • Lack of Social Security & Sexual Boundaries • Increased Violence • Lack of Social Skills & Social Boundaries • Lack of Privacy & Lack of Sexual Boundaries • Social Isolation and Increasing Crime • Pollution and Environmental Degradation • Social Insecurity and Fear

Table No 1.
 Some Positive and Negative Impacts of Science and Technology on Social Constructs

Science and technology are seen as a powerful force of modern society and world welcomed it under a heap of hunger and poverty eradication, but they had their own limitations. They had negative sides also, still in the creation of a better world in the future and the problems of the present; it is seen as the most probable option. At the world level it is an accepted fact that science and technology have changed the overall structure of the social world, and often on this belief people talks about the creation of a new world. A means of saying this, a new society is constantly becoming a newer. We all know about the achievements of science. We are familiar with every era of this improvement. The era of earth-rotating battle, the era of the steam engine, the beginning of the atomic bombs, the automobiles, or the information system, it has hurt us every time. But this is equally true that by losing in the magic of science and technology, we have failed to test them in a specific sense. In the prevailing sense, there is a strange combination of science and technology. Based on technical science and its principles, it uses the principles of science for its development. But ironically, where the basic research of science is preoccupied; there is something new in the world of technology being added daily. Creating new products are being developed based on the principles of science. As we travel through the telephone, we reach the Smartphone and the black-and-white television to 'Curved LCDs.' but in the context of new discoveries of science, we do not see the same proportion. The reality is that science-based industries are being developed. It is given exemption till science is used for profit. But as soon as the voice of science arises in the interest of the society, the handcuffs around the world are adopted. This crisis is not really science. There are many unresolved historical and philosophical questions that demand great debate. In this era of technicians, a big question comes to our mind about the effect of technology on social behaviour. What are its economic, political, socio-cultural and psychological aspects? Without this fundamental question, it is difficult to understand science and technology completely in the context of any society.

3. CONCLUSION:

Technology has its own merits and faults, but in the present day there can be no development without technology. Economic, social and human development depends on the technical progress. With the help of technology, people can make their lives easier and better, organizations can earn maximum profit with technology and lead to economic prosperity. Science and human life may not be separated; mutually dependent of each other, because human develops the better science and again better science provides a better life for human beings. However, technology has also caused us problems and many other concerns. Its improper and non sustainable use disturbed our natural cycle and ecosystem badly, and we are facing pollution like a serious threat to our lives and society. This calls for proper use of technology. Since, science and technology are such arena that any part of the, is rarely unaffected, and when we talk about the social sector comes, it becomes even more important, because human welfare is the primary and the final destination of science. Undoubtedly today science and technology has made the human life simple and convenient, and we hope that its advance discoveries and inventions will also be in the favour of human society. New inventions in the field of science and technology play great role in the daily life of people and make their lifestyle advance. In many areas, progress in the field of science and technology has made people's lives more advanced than ancient times. Progress in the field of science and technology directly and positively affects the way people live on one side, but on the other hand people's health is also being affected indirectly and negatively. For a country, new inventions are very important in the field of science and technology, because for a country, it is necessary to be a strong and developed country compared to other countries. In this competitive world, we need more technology to grow and become a super power. Development, whether it is social or scientific, is linked to the proper channel of technology in many ways. Technical advancement occurs when new inventions are made in science by highly skilled and professional scientists. We can say that technology, science and development are proportional to each other. Developing science and technology is essential for people of any country join hands with people from other countries. The development of science and technology depends on the analysis of facts and the proper understanding. The development of technology depends on the path various scientific knowledge, in the right direction. Modern knowledge, technology, science and engineering are the basic necessities to enhance the economy and improvement of the life standards people of any country. A country may be backward and may be less likely to develop, due to lack of science and technology. As we know that we live in the age of science and technology, our life depends on scientific inventions and technologies. Science and technology have changed the lives of people to a great extent; it has made life simple, simple and fast. In the new era, the need to eliminate the era of science development bullock cart and to bring the trend of bullet train has become necessary. In every country, science and technologies have been implemented in every aspect of modernization. Modern gadgets have been introduced for every walk of life and have solved almost all the problems, in several aspects of like, education, infrastructure, electricity, aviation, information technology and other fields, it has all its advantages. Science and technologies are important for the development and development of the country, it is very important to have science and technology hand in hand. Towns are being developed in the cities and cities in the mega cities, providing a swift kick to the economy of country. Our country India is a fast developing country in terms of science and technology. Science and technology have

always become a topic of debate in society. We can't imagine life in the absence of science and technology and perhaps need to enter in prior civilized age.

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WEB LINKS:

1. <https://www.civilserviceindia.com/subject/General-Studies/notes/effects-of-science-and-technology-in-everyday-life.html>
2. <https://www.importantindia.com/24015/importance-of-science-and-technology-in-our-daily-life/>

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