



EVOLUTION OF CIVILIZED SOCIETY THROUGH SCIENCE AND TECHNOLOGY: A STUDY

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Abstract- The advancement in science has been nothing short of a human revolution that has impacted the every sphere of life. People all over the world use and benefit from modern technology. Today, almost everything we see around us is the gift of science and technology, be it smart-phones, vehicles, cloth, paper, electricity, microwave, vehicles, television, laptops, etc., everything is the result of science and technology. Today's society is an outcome of all the developments, emanated from science with the help of technology. It requires an advanced and strong administration, which was not available in past era. In today's scenario, our science & technology has played a vital role to make our society civilized in each and every aspect of life. Technology is advancing exponentially day by day. The developments being made today are very much strong and are very pervasive forces in the business environment today. Finally, the aim of this paper is to highlight the contribution of science and technology in the civilized society.

Keywords: Revolution, Technology, Pervasive, Civilization, Evolution etc.

1. INTRODUCTION

Technology plays a very important in mankind's growth as at any stage of its development, technology has made life easier and has provided several opportunities for us that were unthinkable before. The world in which we live today is directly influenced by the advancement of science. Without any study and effort from previous generations of scientists, the technology that is available to us would not be here. From ancient to modern times, the role of science has always been to further the development of society.

Various contributions have been made by the society for collective knowledge throughout history, and all have advanced the sciences in their own unique way. Whether it is commerce or media, manufacturing or agriculture, the advancing globalization of human activity would be unthinkable without the development of science and technology. Their contributions have not always been beneficial; indeed, many would argue that science is to be blamed for the deterioration of the global environment that we are witnessing today.

Through the study of many subjects civilization of societies has evolved ways to expand food production, understand phenomena, create communicative systems, and increase survival.. The world of the 21st century has become so interconnected that the phrase "the global village" has been accepted as a term to describe modern society. Today information technology links people and places from all civilizations, and national economies have become increasingly interconnected.

2. CONCEPT OF CIVILIZED SOCIETY

Civilization requires that the society has developed a central institution responsible for the organization of daily life support. A civilization is always sustained by an urban society, although the majority of its people may live in an agricultural society structure in the countryside.

Thus, defined civilization are large structures that can contain many cultures. The boundaries between different civilizations are sometimes not well defined, particularly when one civilization evolved from another. It is therefore not possible to state with certitude a definite number for all civilizations of the world, but the number is small, much smaller than the number of languages, nations or art styles.

The earliest records that we possess which are of scientific influence comes from an ancient Mesopotamian city called Sumer. The Sumerians were among the first civilizations who benefited from scientific innovation. Their agriculture system was advance enough to unlock the potential for thinking on a deeper level. With the implementation of irrigation, ox-plows and mono-cropping, the population flourished. The Sumerians no longer had to worry about hunting and gathering food and rather think and implement. In order to keep track of all the food, a cuneiform writing system was developed (3000-3500 BC). This system was developed to accommodate higher mathematics and an alphabet capable of describing the way of life and beliefs about Gods. The method was simple and effective: tablets were mostly formed of moist clay, impressed upon by a pencil-like wedge, and then were baked in an oven, thus creating a permanent record for every activity. The epic of Gilgamesh, a poem considered the



world's first great piece of literature, was written using this form. As farming did not require the vast majority of the populace, Sumerians specialized in alternative professions like writing. This epic would not have been possible if technological advancements in agriculture were not made.

3. PRESENT SCENARIO OF SCIENCE AND TECHNOLOGY IN SOCIETY

Due to change in thinking pattern, various changes take place in life. For instance, with broad mental outlook, a significant number of changes takes place in lifestyle of people in society and they begin to accept those values which were once considered to be wrong or improper by them or their ancestors. Also, various areas or spheres of life have got affected by scientific investigations and developments in a significant way.

It is important to mention that when we talk about science, we are also talking about technological development taking place and it is not possible to draw a line in between these concepts. With lack of education, people didn't know the reason of various diseases, but now as a result of various studies and investigations, cause of various diseases is known to people because of which people now live a sanitary, healthful and a meaningful life. An important change taking place in modern time is that as a result of scientific investigations, various medicines and techniques have been developed by which number of diseases are being cured easily.

Thus, by making use of scientific technological developments, various kinds of improvisations have been implemented about in different spheres of life. Science is at present undergoing a period of change. According to W. Pauli, "The aim of Science teaching is but the acquisition of information and a few skills but to attain the understanding of the relationship which connects the answer to the problem."

4. THE IMPACT OF SCIENCE AND TECHNOLOGY IN CIVILIZED SOCIETIES

Technology has contributed immensely in the growth of industries and industrialization. The growth of a society in which a major role is played by manufacturing industry is correctly described by the technology. The industry is characterized by heavy and fixed capital investments in plant and building by the use of science in industrial techniques and by mainly large-scale standardized production. The Industrial Revolution of 18th century led to the exponential growth of industries. Technology has completely changed our ways of life. Technology has influenced social institutions of its effects.

The social institutions like family, religion, morality, marriage, state, property have been changed. Modern technology in taking away industry from the household has radically and has changed the family organization. Development of transport and communication has encouraged national and international trade on a large scale. The road transport, the train service, the ships and the aero planes have increased the movement of men and material goods. Post and telegraph, radio and television, newspapers and magazines, telephone and wireless are some important advancement. The space research and the launching of the satellites for communication purposes is a brilliant contribution in the advancement. They have helped the people in different corners of the nation or the world to have regular contacts. An also important impact of science and technology is that number of persons engaged in agriculture sector has fall down to a great extent ; result of which process of industrialization has taken place with greater pace throughout the nation, which is an important element in bringing about an increase in rate of national growth to valuable extent.

The advancement in medical science has always influenced mankind. From the Druidic herbalists of the Celts to the bloodletting humorists of the Greeks and Romans, medical ideology has taken many forms.

In whole history, each society asks different questions about Medicine. Each society answers them in different ways. Until the scientific method, the sciences have performed based on a mix of superstition and new experience. However, the reason why society studies Medicine has always been the same is decrease in suffering and increase in lifespan. Due to the knowledge obtained by our ancestors, we have been able to do just that. The ailments and diseases that were considered fatal in the past are being treated like a piece of a cake today. On an average, the productive members of society will live longer. These people hence, can make more economic contributions, be around for their families, and share more wisdom.

5. THE ROLE OF SCIENCE AND TECHNOLOGY IN EVOLUTION OF CIVILIZED SOCIETIES

According to UNESCO's International Education Commission. Science and Technology must be essential in any educational enterprise, they must be incorporated into all educational activity intended for children, young people and adults, in order to help the individual to control social energies as well as natural and productive ones thereby achieving mastery over himself, his choices and actions and finally, they must help a man to acquire a scientific turn of mind so that he becomes able to promote Science without being enslaved by it."

Several studies have resulted that students who have better access to technology have better chances of learning and performing well at school than those without. It can be clearly understood that the internet is invaluable when it comes to research and supplemental studies for students of all levels. Gadgets which can connect to internet can



make access to educational materials more convenient. Today With the help of technology students have all the learning resources where ever they want. Thus, by making use of scientific technological developments, various kinds of changes have been brought and will be brought about in different spheres of life.

CONCLUSION

Science and technology has a profound impact on all of humanity's activities. The wide variety of technologies and science discoveries produced by humanity has led to the building and development of the civilizations of each age, stimulated economic growth, raised people's standards of living, encouraged cultural development, and had a tremendous impact on religion, thought, and many other human activities. The impact of science and technology on modern society is broad and wide-ranging, influencing such areas as politics, diplomacy, defense, the economy, medicine, transportation, agriculture, social capital improvement, and many more. The fruits of science and technology fill every corner of our lives.

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