An Analytic Study on the Effect of the Growth of the Economic Development and Communication and Information Technology on the Human Societies

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Abstract

Parallel to economic development, Communication and information technology influences the different aspects of the human life. In many cases, this technology has worked very well to meet the needs of societies, but in other societies causes some problems. In this regard, some concepts is challenged by improving the economic development and Communication and information technology. some of which are "globalization of economy, Communication and information technology, cybercrime, pornography and anti- cultural problems, digital gap, development the learning and teaching, new family problems, increase the public awareness, cultural relationships, digital wars, and interaction with merit". This paper studies the analysis of the positive and negative effects of the rapid growth of economic development and Communication and information technology in the human societies.

Keywords: Communication and Information Technology, Economic Development, Digital War, Culture, Cybernetic Crime

1. Introduction

Today, communication and information technology influence all life stages. This technology has increased the human ability and help to achieve and spread the storage, recovery, processing, and use and generating the high speed and volume information . But, on the other hand, communication and information technology changes the ethics principle, which formed based on the behavioral beliefs and social correct and incorrect standards and creates the new personalities, groups, organizations, and other social forms and political groupings (1).

One of Moral philosopher that is active in the information technology area, states: " Consider a place where there is no trace of passersby. In such place, anything can be stolen times and times while that thing still remains with its original owner. In that place a business is performed that you have not heard its name. What is exchanged in this business is your private and confidential information . in that place children feel that they are with their parents, while they are not in the home. In that place, all physical affairs (from book to money and purchase and communication) lost their objectivity and convert into an electronic and subjective affairs . In summary, a place where everybody is as virtual as shadows in Plato's Cave example (2). Communication and information technology revolution has changed our view to the world, widely and has created a new vision in the World Information Village that includes all cultures, nations, races, and other human features. Since, in these technologies, users are free to connect to or separate from any system , in some cases, it maybe some destructive effects on the other users.

Freely spread of ideologies, beliefs, and behaviors among the different cultures, may create the complicated mental and behavioral pressures that can be lead to the new crises. Without understanding this global perspective, one cannot provide strategies to deal with it (3).

Some concepts have been challenged by improving the communication and information technology and of which, the following can be mentioned: " globalized the communication and information technology, cybernetic crimes, pornography, anti-cultural problems, digital gap, develop the learning , new family problems, digital wars and interaction with ethics".

The present paper studies the positive and negative effects of the rapid growth of the economic development and communication and information technology on the human societies by an analytical view.

2. Information technology and globalization

Globalization is due to the cultural, politic, social, and economic changes around the world. This paradigm destroys the economic borders between countries and nations and creates multilateral freedom and converts world into a marketing and changes the power balance. Also , globalization has a main role in shifting the production sector to service sector in the industry and shifting the work force from worker to official force. To use the globalization chances, the preparation for a dynamic change and future design, innovative and logical and futurist strategies are required in any century (4).

Although, by using the communication and information , all countries can utilize these opportunities, completely , but there are problems of these technology for all countries, equally. Maybe , automated tasks reduces some career opportunities or unknown machines simplifies the crimes, and creates a newer threats. If the information is not protected, safely, the electronic contents and database and private information of the people may be revealed for all unhallowed people. Problems such as defamation and harassment and censorship in the network can

affect the society and people. Information and effect extent of using the computer influences the distance between poor and rich people and who have information and who don't. Free access to information can involve in the disclosure of political secrets or preventing the incorrect rumors. Moreover , precocious puberty can be due to the free access to adult information and in result changes the countries' culture.

3. Cybernetic crimes

Cybernetic crimes is a clear phenomenon of the moral risks that occurred in the different types. Some of these crimes are : Theft, extortion, fraud, crimes against persons, drug trafficking, theft of personal thoughts, the spread of crazy and violent thoughts, non-performance of normal services and cyber-terrorism (5).

Research performed by computer security institute (6) confirms that the computer crimes and deal with information security is increasing. For example , in Japan, crimes related to the internet, has been twice in the first six months in 2002. 800 crimes were reported in the first half of 2002, while 888 crimes was reported during 2001. Total number of internet crimes in 2001 increases 60% more than the first half of 2000. National police agency reported that about hackers tried to enter illegally , 51000 times from July to September of 2002 (7).

In 2001, in South Korea , cybernetic attacks including Slander, defamation, and fraud was increased 126% more than the last year (33289 cases) (8). Improvement the public economic situation and increasing the security of information networks and pre-emptive crime laws are the most important strategies against the development of these crimes.

4. Pornography and anti- cultural problems

Pornography as a cultural problem, threatens millions people around the world. Adolescents and Youth are the main customers of these issues (9). In addition to waste the time, the most important problem due to these issues, is the precocious puberty. Precocious sexual awareness , especially in the most the most important cultural issue in most countries, especially in East countries.

Cultural communications such as chat, causes the different people and ethnics groups get acquainted with each other. Such communications causes the gradual change in the society's culture . developing countries such as Iran and china , use the filtration the such electronic pagers to block these websites. Although , this may be suitable for a short time, but by rapid development the anti-filters, internet technology, and increasingly development of the websites , use the other methods, especially cultural and educational methods , is unavoidable. If this problem is not solved by using the cultural and educational methods , at least it can be controlled.

5. Digital gap

Use the communication and information technology helps the support of structural changes and achieving the sustainable economic growth. Technologies and skills of the information technology have been improved since 40 years ago. But , careers and jobs don't follow these technologies. Unfortunately , today, low level profession is usual. All urban and rural users can use the information technology from far and near distances and use the governmental and non-governmental services and resources and financial and credit services, and use the new design chances and production and sale the products through information

technology systems, and obtain a better and higher education through computer, but, in the present, only 40% of the world population access internet and other are deprived (10).

Digital distribution is the resource of many new problems that is result of an information society. This causes the appearance of the new colonialism and racial discrimination that is a new anti-moral phenomenon. Europe encourages the improvement of knowledge, skill, and innovation of the work force by effective long- term learning (related to the information careers). Information technology needs more qualified staff and more skillful mangers. Countries' governments adopt different policies to reduce the digital gap. For example, Europe Parliament presents some innovations up to 2015 that known as the new digital plan (11). Briefly, these innovations are:

- Up to 2013, any European family should access the internet bandwidth with a competitive price.
- An especial attention should be paid to the rural regions (especially to the farthest regions) and regions that affected by the industrial displacement and regions that suffer from the Demographic or natural disabilities.
- Up to 2013, all elementary and secondary schools should have the qualified and confident internet communication and up to 2015, they should have high speed Internet.
- The electronic training should be of importance as an educational method adapted to the communication and information technology that can satisfy the demands of people who don't have the usual training.
- The digital literacy should be paid attention in the educational systems. This attention should be paid from the preschool and in parallel with learning the foreign language.
- The start of "Action Plan Including Digital Literacy" should be suggested in Europe and Members of the European Union.

Mentioned strategies can be ways to deal with the class gap in other countries.

6. Poverty reduction through developing the learning and training

The lack of access to communicative information and technology is a basic element to spread poverty in the society. Poverty causes the spread of corruption in the information society and finally leads to the moral degeneration in the society. Development the digital technologies and their application in the global information networks is an important opportunity to escape from the poverty. Electronic training and distance learning are the examples of the positive usage of communication and information technology in the education and training.

The transition from academic training practices and presence in the University to an educational model in the life will change many lessons, from aspect of strategy and practice. Moreover, the role of teacher and student will change fundamentally. Also distance education makes the women in the less developed countries can improve their life quality , effectively and have a more effective role in their communications and in result have a more important role in the development of the countries. Through training, people can develop their knowledge and then achieve a better job opportunity. This increases the income and reduces the poverty in the society. Therefore , information technology can be considered as a chance for moral and social improvement in an information society.

7. New family problems

Use the communication and information technology makes the jobs will be performed both in home and workplace. In this case, a more time is spent for the work at home and in result the traditional borders between home and workplace is removed. Interference between work and home is a resource of the new problems in the families. Perhaps one of the short- time solutions is that the distance work hours should be limited to a certain hours, so that there is not any interference between daily life and work. However, it seems that general structure and tradition border between family and work and in result, the society ethics changes in a modern information society (12).

8. Public awareness enhancement

The knowledge is a Key point in the communication and information technology. Increase the public awareness is a result of the spread of the communication and information technology. In such situations, it is very difficult to dictate the correct and incorrect issues to people . Government's mistakes cannot be hidden, simply. Therefore , the relation between government and people will be changed. People understand these mistakes faster than previous generations. Information about politics, parties and organizations, public affairs of country, hidden relations, social models and fissions will be spread, rapidly.
Changing the level of awareness will increase insights and beliefs. Beliefs change followed by ethics change in the society. In such situation, governments should apply some changes in the moral and social relation between government and society. Clear spread of democracy can be a suggested way. Also , in the family, parents should apply some changes in their behavioral methods to train the children.

9. Cultural relation

In many non-Western societies, there are concerns about communication and information technology, from cultural aspect. Eastern and Islamic countries are worried about the destruction of traditions due to spread the Western culture. For countries such as Iran, communication and information technology is an opportunity to transfer the Iranian and Islamic massages to other countries on the other side of the world. Although , the Western views may have temporary charms for the youths and even challenges our social and moral culture, but with regard to the richness of the Oriental culture, the result is dominance of a culture with a more originality and more support.

10. Digital wars and interaction with ethics

In the information century, wars are also in type of information war. Although the importance of information was known in the past, but today, war is unprecedentedly based on the information systems. Information gathering systems, such as rapid detection and warning satellites, a wide range of airborne and manned and unmanned aerial systems, and etc. , provide a lot of information that distributed through communication technology. In addition to attack the enemy, this information is used to make it inefficient the enemy information, too. Some information wars are interventions that Leader of Iran referred as the soft war that affects the values of the Islamic Iran. Also, other examples are is those were used in war against Iraq in 1991 and 2003. Moreover , in the recent years, ISIS has presented a new media game. In past , terrorists and rebel groups used the media to publish their messages, but , what made ISIS unusual is to that not only they are dominant on the media agents, but also their

strategic priority is to use the media to spread the fear and attract force.

Therefore , change in the war strategies in the information century causes the change in the war ethics , because there is not a physical enmity . Such war, in fact, is the war of information and technology power than the soldiers of two countries against each other. In this situation, the concepts of epic, resistance and defense in the digital war are changed that should be considered.

11. Conclusion

Communication and information technology in the world is spreading. Developed countries with more speed and less developed countries with lower speed are going this way. Such spread leads the world toward an information unit or ,on the other hand, a global village. In such society , geographical borders lost their physical concept and then new problems appear.

Without knowing the coordination coordinates and dimensions of such perspective, we can't adopt the ways to deal with it. Adopt the new laws and rules, change the education and training methods, change in the educational system, and create the modern management methods are of the most solutions to solve the mentioned problems.

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