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Information Technology

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Abstract:

Information technology has become breath of this technical era and it plays an integral role in the lines of people across the world. Everybody is using the information technology to fulfill his requirements whether he is a scholar, faculty or student, and they leave the footprints that may be followed or misused by the other people. To crack the secrecy of an individual's information could lead to the serious results. The main target on technology and human relationship increases ethical imperative because the seeking the information from internet access as what is done, how it is done and what the intended or sometime not intended, all the outcomes are must be examined carefully.

1. Definition

Information Technology deals with the use of electronic computers and computer software to convert, store, protect, process, transit and securely retrieves information.

Information Technology to anything related to computing technology such as networking, hardware, software, internet, e-commerce, e-banking etc. Information Technology has become an integral part of our day to day life.

2. Impact of IT

In the technical era, our daily lifestyle is connected with the technology. We enjoy better facilities and luxuries with the help of increased technology. The development of technology not covers only one sector, but it includes all sectors of society whether it is education, banking, business, entertainment, industry and medical fields etc. IT has two sides as every coin has. So in the case IT it has positive impacts as well as negative.

3. Positive

Technology makes life so easy, simple and convenient. With the help of technology the household work can be done without human or efficiently. Modern technology has made manufacturing much easier and has created more leisure time for individuals and families.

· Information: Technology has an unbelievably positive impact on society. IT has made it possible to manage and store vast amount of information. Farmers can also get agricultural related information from internet.

· Easy to keep touch with Relatives and Friends: Technology has not only given people to only keep in touch with each other but also express their views and opinions to others. The technological revolution has made the world more closer, making communication easier. With the help of communication technology a person able to talk with his friends and relatives who are living far from him through e-mail facility, chat, video call and internet.

3.1. Environment

IT has changed the human lifestyle with the development of sophisticated machines like computers, telecommunication, internet and satellites etc. It has made revolution in all sphere of life. Information technology has reduced the consumption of papers and monitoring the changes occurred in the earth and environment. Remote sensing and geographical information system has proved to be very effective tool in environment management. Remote sensing means observing the earth sensors from the high above its surface. The occurrence of volcanic eruptions, floods can be easily predicted in advance with this technology. Data regarding birth and death rates, population and sanitation programmes can be maintained easily and accurately in computers at the health centres.

3.2. Education

Due to modern technology, education has transformed due to current day usage computers in the classroom. Students and researchers

and teachers can explore their knowledge with the access of internet and with the help of social networking they are able to connect with their classmates. Teachers can teach children to computers through educational games. Instead of playing bored games that focus on education, students can learn the basic spellings, counting and other educational lessons through computer games that make learning easier. This technique definitely improves both teaching and learning.

3.3. Economy

World economy can improve and develop by the technological revolution. Most of the countries, many government and private companies invest billions of dollars in new technology. In the past, our technologies was limited, but with the introduction of technology companies spend less money in the part of production and trade and produce more products in less time which results high productivity. With the help of internet facility companies can easily sell their product by online shopping, which also create international competition among the companies. Today, most of the consumers do online shopping to get cheaper and better quality of product at doorstep.

3.4. Banking

With the help of technology, banks are able to provide wide range of services to the consumers to satisfy the financial and non-financial needs, from smallest account holder to largest companies. Nowadays, bank provide internet banking, mobile banking, e-banking, and anytime banking. These facilities enable consumers to get the solution of bank related problems .These techniques are time saver and easy to operate. Introduction of plastic money is gifted to the Indian market. It means purchase and pay later (with little interest) now, new features added to plastic money makes too easy to buy things which could not be affordable before. Credit cards, debit cards and ATM are the examples of plastic money. Introduction of cash depositing machine and ATM machine which means that allow consumer to conduct basic banking transaction without bank clerk and also people do not have to stand in long queue.

3.5. Labour

The use of IT enable collaborative work involving distributed communities that is globally dispersed, twenty four hours active. It enhances the relations across department lines through sharing of information and co-ordination of activities .it reduces the barriers across different status level. The importance of distance will be reduced by computers and communications, as workers find that they can do most of their work at home rather than in a centralized workplace. It is easier for individuals to work on flexible schedules; it might also reduce job stress.

3.6. Agriculture

Information technology matters a lot in agriculture. The increasing population and the demand for food have enhanced the competition in the agriculture sector. In the context of globalization and integrated food market, information has become vivid for farmers .they can seek information from internet for improved seeds ,who are paying the highest price at the market, weather forecast, varieties of seeds, techniques and services provided by government can now be answered faster with greater ease and increase accuracy.

3.7. Medical Science

The internet has become a main source of medical information. Often doctors use internet to explore their knowledge and use for their medical research and diagnose. Websites are used to improve the relationship between doctors and patients. They can take advantage of information technology to reach to the core of remote area .Patients can make queries or instant chats with doctors about medical issues. Information technology can be used to maintain the records of patients and moreover now patients can themselves make decision about what to do next.

3.8. Religion

The impact of informational technologies in religious practices is also noteworthy. Technologies in three aspects of religious work: religious study and reflection, church services, and pastoral care and the collaborative religious uses technologies cross and blend work and personal life. Nowadays people are so busy in their daily life that they don't have time to give proper time to religion so technology helps them to listen to the prayer. The developments in IT have influenced the continuity of social attitudes, customs or institutions.

3.9. Military

Technology has often been motivated by the military, with many recent applications developed for the military before they were adapted for civilian use. Nevertheless, this has always been a two-way flow, with industry often developing and adopting a technology only later adopted by the military.

3.10. Commerce

The infrastructure of computing and information technology effects on different dimensions of marketing activities. Globalization is a development of information technology. E-commerce is on the most important application of information technology. It helps to promote the beneficial business relationships. Most of the information on web is related to product information .It allows the buyers to access any kind of product information, at any time. It allows effective real time transactions by using credit cards and online

banking. E-commerce involves business to business e-commerce, business to consumer e-commerce (such as jabong.com, myntara.com, snap deal etc. where consumers directly deal with buyers.)It also helps in removing the intermediaries such as stock brokers, travel agents, tend to decrease the cost of production and distribution chain.

4. Negative Impact

In the case of computer revolution we are getting harm in various fields. Computer is called artificial intelligence. Today we become dependent on these gadget and we forget to remember that we are human beings. We are able to solve any problem patiently and creatively. So IT affected our evolutionary development.

Information Technology has brought a sea change in human life. Audio and video media have opened up, new opportunities in education communication, business and leisure with the easy availability of its access internet is being misused. The easy availability of pornography is causing havoc for young generations. Cyber cafes are the hubs of cyber crimes and spending more money by diverting young and impressionable minds. Now a day, we have seen that sex crime is increasing day by day. It is backed by the easy and fast growing by access of internet. Adults are aware from this fact but have failed to find any viable solution to stop the nuisance of the internet.

Problems are many but unemployment is worsened by the use of computers, as it can perform the job with accuracy and speed, any human being cannot compete with its performance.

Websites are also contributing to cheat others, often leading to divorce.

The students often use the social networking sites for chatting purpose means for the wastage of time. Internet also affects our personality, behaviour and relationships to the things and humans around us. For most of us, computer has become the central core of existence as their emotions and sentiments have dried up.

Besides connecting us globally and entertaining us, It has a negative side too, the electronic devices generates carbon dioxide in homes and offices which is the main cause of global warming and playing a crucial role in harming of the environment.

Net browsing, passing and receiving non-stop SMS's become a part and parcel of an individual routine. Books reading have become outdated. Deserted libraries are the proof to establish this solid fact. The present technologies good and urge the students why read the books when information is readily available. By the use internet can be easily garbed. In this technological era, nobody is left affected with internet. Even children and teenagers are gaining computer violence that translated into real violence because online games usually glorify negative impact but children remain stuck to them.

The ability of computers and communications to perform routine tasks as bookkeeping more rapidly than humans leads to concern that people will be replaced by computers and become slave of this technology.

The illiterate farmers can't access the internet facilities and just relying on the traditional methods which can't be as worthwhile and Productive as the new technical methods.

Advancement of information technology, medical related software has helped a lot to improve the quality of life. But each has risk. Surgical operations, laser operations, it offers a great benefit to patients but could lead to negative effects also. Some doctors can't make use of these advanced technologies effectively which could be disasters.

Information Technology is unregulated and uncensored, it has given birth to too many other problems, mischievous thinkers or we label these people as hackers or crackers who search foe vulnerable computer user and then strike. If a business man lose trade secrets and incur heavy losses, it can be possible with the help of internet. Some time trailers could have access to military codes and secret files which create danger for the country. In the way the security of a country can be damaged within few minutes. At the same time stolen credit cards and ATM numbers and their password also pose danger.

But most of the small enterprises lack the knowledge of how to invest and expand the distribution channels.

Mostly people keep them busy with listening to ipods or with their latest mobile devices leads to isolation. They don't make contacts with other people or around the world. They lack with social skills and feel hesitate to face the people.

Information technology is the main cause of depression in young generations. They usually spend their time with mobile phones at indoor places .They don't prefer to go outside, as no exercise and causes extra layer of stress. They have to take pills to control the problems occurred due to the technology.

Excessive use of ear-buds or headphones can cause to lose hearing power. Likewise, continuously watching at television, mobile or laptop screen can cause eyesight problems. Infact, it can cause so many problems related to mental disturbance or related symptoms. They don't only dependent on technology; they are also addicted to it.

5. Conclusion

No doubt we rapidly development in agriculture, education, business, economy and in many others is possible due to latest technologies but if we see other side, it spoils young generation and vanish the moral values. We Indians feel proud on our national games that are substituted by net games. Who is responsible for all this chaos?

But machine is not blame. Blame lies somewhere else, It is the user of the internet who is at fault.

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