Information Technology in Everyday Life

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Abstract

The aim of this paper is to address the effects of Information Technology (IT) in the everyday life. IT is increasingly playing a vital role in the success of everyday life of individuals and shows impact on various sectors such as business firms, organizations, medicines. Every day people use computers for various purposes. Computers are becoming more accessible, in addition, they continue to become more powerful in the processing of information and easier to use. IT and computers will process and store the everyday aspect of the society. How it has a good impact, it also has bad impact on our everyday life. This paper will summarize the key aspects of IT and computers in different domains such as business, medicine, education, science and engineering.

Key words: Computers, Science, Engineering, Business, Information technology.

1. Introduction

In this modern technology era, Information Technology (IT) is used to serve and connect the people in the world. Desktops, laptops and mobile devices play a key role in IT and they form a network around the world thereafter performs multiple operations at once. Individuals, communities, government and organizations rely on computer technology to produce or innovate the majority of things in their lives, such as food, services, entertainment, care, communication, education and transportation [1].

It is the study, design, development, implementation, support and management of computer based information systems such as computer hardware, mobile devices and software applications. IT deals with the use or application of computers and computer software to convert, store, protect, process, transmit and securely retrieves the information. Many sectors now have IT departments for managing the computers, networks and other technical areas of their business [2].

Since, we live in modern technology age; IT has

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become a part of our everyday lives. Hence, this paper looks at the impact of IT on our everyday life.

2. Computers in Business

One of the first and basic uses of computers is the storage and management of business and financial records. The largest companies record the employment of all workers in large databases that are managed by computer programs [3].

Similar programs and databases are used in such business areas as providing consumer accounts, monitoring received and possible cash receipts, controlling the necessary volume of supply and the number of produced, stored, delivered to the market and sold products [4].

On a small scale, many enterprises have already replaced the cash register with a special POS terminal. These terminals not only print receipts for buyers, but also send information to the computer database when a thing is sold to maintain the accounting of the goods on sale and ordered. Computers have also become an important element in modern plants. Robots controlled by computers, today carry out heavy and dangerous tasks. Robots are also used for day-to-day repetitive tasks in which boredom and fatigue can lead to poor performance [5].

3. Computers in Medicine

IT plays a big role in medicine. For example, the scanner makes a series of body images, using computerized axial tomography (CAT) or magnetic resonance imaging (MRI). The computer then combines the images to create a detailed image of the body organs in a three-dimensional size. In addition, these images show all the changes caused by metabolism and blood circulation. IT has various applications in medicine sector. Negative role of IT is the way that it can affect our health and when using electronic equipment can affect the user manually and mentally. People who sit incorrectly at a computer screen all the day may experience headaches and position of computer keyboard can create or prevent carpel tunnel syndrome [1].

4. Computers in Education

In traditional or nontraditional way, computers are useful tools for advancing educationally. IT made drastic changes in education and became a universal need of student's education life. In case of employees, they can obtain their degree through online courses offered by universities / institutes. Students will utilize computers for research, access the information, to submit their work to teachers and gain the help on a variety of topics [6].

5. Computers in Science and Engineering

Using supercomputers, meteorologists predict weather using a combination of observations of weather conditions from various sources, mathematical representations of the behavior of the atmosphere and geographic data. CAD programs (Computer-Aided Design) and CAM (automated management) has led to improved products in many areas, especially when the design needs to be detailed. Computer programs enable engineers to analyze the design of complex structures, such as Power stations and Space stations [7].

6. Integral Information System

With modern sophisticated equipment programs and communication technologies, it often becomes difficult to systematize the system into one program. Organizations are increasingly trying to integrate their information needs into a single integrated information system. An example is SAP (service announcement protocol) - a German software package that provides a solution for a corporate network for information technology. This is a powerful database that enables companies to systematize all information into a single

database, and then select only the program modules or tables that they need. Free-standing modules must meet all the needs of consumers. Information technology has become an integral part of our daily lives. The use of modern information technologies allows conducting On-Line conferences in any city and communicating through video presentations of lectures with scientists from America, Europe, Australia, Africa and other countries. You can receive Certificates of Excellence from any top university in the world! [8].

7. Conclusion

With the objective to present the IT and to study the impact of IT on our everyday lives, it is clear that the computer age here and this can't be debated. In many aspects of our everyday life, we came to know that IT is efficient in solving complex problems rapidly and also performs enormous operations / functions those human cannot do. Despite these advantages IT department facing the problem with privacy of information. IT cause unemployment because many operations / tasks done by human initially but now done by computers. But IT showed drastic changes in education, science, technology, research and it can enhance the traditional methods of learning.

8. Conflicts of Interests

The author(s) report(s) no conflict(s) of interest(s). The author along are responsible for content and writing of the paper.

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