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## Role of Computers in Society Today

Student's Name

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## Computer Technology

Computer technology is the construction and design of computers to enable individuals at schoolwork or at home to accomplish their objectives. Today computers are essential in every

day's life because it is used in every aspect of life from banks, to supermarkets and hospitals and to controlling heavy machinery in industries through computer programming. Computer technology has significantly advanced since its inception because, as now, there are a variety of computers from desktops, laptops to Ipads which are versatile and can be used from the comfort of anyone's home. The paper will discuss the role of computer technologies in society today, particularly among college students, corporate businesses, and healthcare professionals.

### **Role of Computer Technology among College Students**

Computer technology, especially among the students, is crucial because students use computers to study or do assignments, and lecturers get to use this technology in teaching. Computer technology is useful to college students, particularly those who are studying information technologies because they get to use their computers in developing digital software that can be used in technological advancement. Additionally, students who are studying visual arts, especially those pursuing graphic designs and photography, also use specific computer software such as Auto CAD, Corel Draw, or Photoshop, to help them in creating designs. Students can also learn how to organize information using spreadsheets, performing calculations, and creating visual formats for presentation purposes so that they can process data and presentation. In the same light, lecturers can also use the same form to store student information such as grades and class attendance. On the other hand, computer technology has given students the freedom to research school projects at the comfort of their home because most of the journals and books are now in digital form and can be found online thanks to the Internet. In turn, this has made students be more self-sufficient as they are now able to complete their projects and assignments on time (Sumuer, 2018). Technology, in general, has increased efficiency in every aspect as one can get any information or services they require swiftly, and this has been the same

as the use of computer technology in schools. College students are now able to complete their assignment outside school hours send their professors assignments or communicate with them as well in case of anything through email, check out their results online from the school portal, and even get to take part in online classes especially now due to the COVID-19 pandemic (Zhao, 2017). They can also take notes while the lecturer is teaching. Additionally, computer technology has enabled the proper use of grammar when it comes to written assignments as students are now able to submit their assignments that are well-written thanks to the help of software like Grammarly.

### **Role of Computer Technology in Corporate Business**

Every business uses technology to keep track of its sales and profit-loss margin, and this cannot be possible without the use of computers. Computer technology in business has helped to shape the structure and organization of the company. Most companies use computers to work on quotations and invoices using computer applications like Microsoft Word or Microsoft Excel. In turn, these documents are sent to clients or potential investors through emails. On the other hand, it has made the work for accountants easier as they are now able to generate formal invoices easier and faster with the help of software like Sage Accounting, which keeps track of the businesses' sales. The use of such software also enables accountants to follow up on unpaid invoices since it is programmed in such a manner that shows which project was paid and which one is not paid. Aside from that, most corporate businesses want to reach their target market whenever they have new products, and this has been made possible by the use of computer technologies. Companies can reach their target market by using their company website. These websites have been developed by IT experts who use computer-generated programs to create websites. In turn, these websites have all the information one may need to know more about the

company and the products they have. Besides, they can get new potential clients from the platform. In every business there are always foreign investors who have invested in the company but cannot be there physically, computer technology has enabled them to communicate efficiently by using software like Zoom or Skype especially during meetings, this would not be possible without the use of computers (Klochko & Brizhak, 2017).

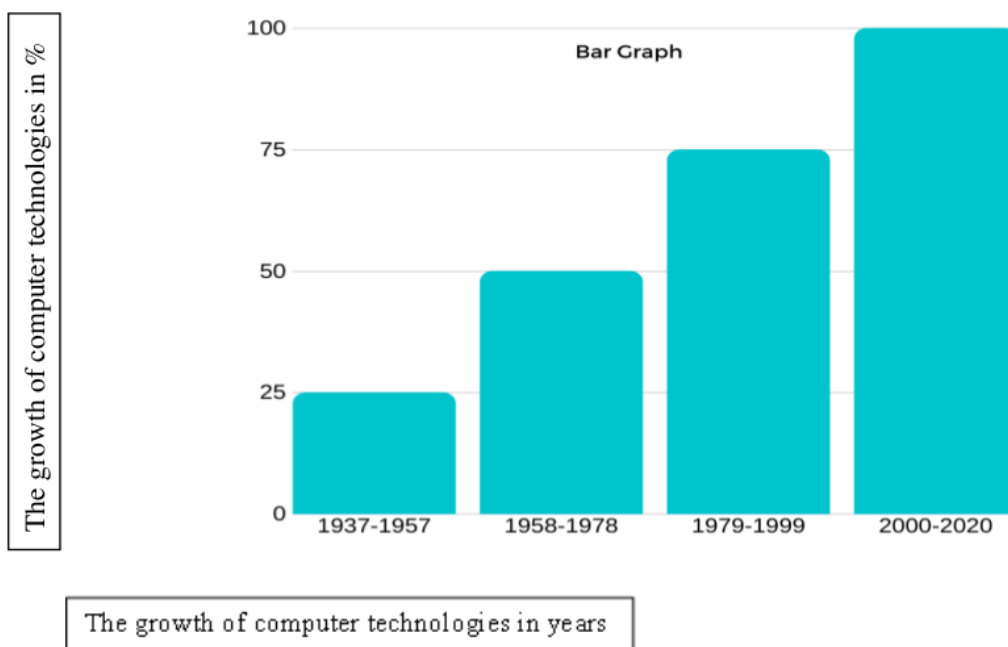
The use of computers in corporate business has enabled most of the companies to store crucial client information, especially in banks, by using software that has been encrypted to protect the customer's information from being hacked. In addition to this, computers have enabled companies to book appointments for clients digitally using specialized software and also to track the records of the clients' transactions. With such systems in place, a service representative can assist the client whenever they call in case their product has a technical issue or if they need a specific clarification for a previous transaction (Roy et al., 2020). A corporate business that deals with tangible goods can keep track of the inventory using computer technology in their warehouses; this way, nothing gets lost or runs out. With this system in place, those responsible with the store keeping are also able to feed the system whenever there are new arrivals, they use special codes to keep track of this inventory. Supermarkets are one of the corporate companies that employ this method. In the banking sector, computer technology controls bank services such as ATMs and online banking, as they are connected to the bank's computer mainframe (Bawaneh, 2018). The banking computers maintain most of the customer's ledgers by processing the data to information. Lastly, computers have enabled companies to hold meetings with the use of projectors; the projector is often connected to the computer using special cables. It allows those in the meeting to get the visual aspect of the presentation.

#### **Role of Computer Technology in Healthcare Professionals**

In the past decade, most of the healthcare professionals had to use old-fashioned ways of storing data and patient information using files, computers were not accessible then, and if they were available, it was only for employees like the accountants. Thanks to technological advancement, computers have found their way into the healthcare facilities and are used in many ways by healthcare professionals. For starters, computers in hospitals are used to store delicate patient information. This information is sensitive because they contain the patient's private details like social security number, patient's medical history, and insurance details which, when they get to the wrong hands, can be detrimental. Nurses who serve as customer care keep these details in specialized files on the computer's server and are also protected through encryption and are often maintained and updated by IT experts. The information appropriately stored in computers can easily be retrieved for purposes of following up on the patient's medical progress. With computer technology, services like telemedicine have been possible because healthcare professionals can indicate those who need healthcare services and deliver it to them despite their location (Saravanan, 2016). Healthcare professionals can offer diagnosis, prevention, or treatment of a disease using the telemedicine systems. For instance, healthcare professionals can communicate one on one with a patient using live video chat and make a diagnosis during their conversation using computers, laptops, or Ipads (Panth & Acharya, 2015).

Doctors and nurses are now able to monitor the patient's vitals, such as heart rates and blood pressure using specialized computers. In turn, this has reduced the time that one spends on routine checkups because the computer system collects the patient's results automatically and stores in the patient's record. Doctors rely heavily on computers daily as this is where most of the information about their patients is stored, details like patients' appointments or scheduled surgeries, and this, in turn, helps the doctors to be organized. Computers have also enabled

doctors to send prescriptions digitally straight to the patient's drugstore. With specialized systems, doctors are also able to file the patient's insurance claims or send billings when necessary. On the other hand, doctors interested in pursuing medical research to understand further why specific diseases exist and to find their cure are now able to do that using computer technology. With developed supercomputers, they can conduct their research smoothly and examine different possible results (Zhu & Gao, 2019). As mentioned earlier, most companies rely on computer technology to keep track of the inventory. Healthcare professionals also do the same, and they keep track of the medicine inventory for the patients' treatments. They ensure that all medication required for the patients' treatments are readily available, and in the case they are over, the one in charge of inventory can inform the hospital so that it can be purchased.



Between 1937 and 1957 is when computers became electronic and were mostly used for in different sectors. In 1958-1978 computer engineers developed the computer system representation by using integrated circuits. In 1979-1999, over the 20 years, computer

technologies had developed rapidly especially in local area network (LAN) and wide area network (WAN). Computing was still influenced by vector processing. Lastly in the year 2000-2020, the computer technology had advanced by 100% due to technological advancement (Woodford, 2018).

In conclusion, having discussed the role of computer technologies in society today, particularly among college students, corporate businesses, and healthcare professionals, it is evident that computers have contributed a lot to the community. It has made work easier for individuals in every profession. But it does have some disadvantages to it, such as fraud or hacking. In the case the security system of the computer's mainframe is not secure enough, computers can be hacked easily, and this can be problematic to the company, especially hospitals and banks. That is why companies must keep updating their computer software to safeguard the clients' details.

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