

# INFORMATION AND COMMUNICATION TECHNOLOGY

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During 1970s, the term information technology and communication technology was a little-known phrase that was used by those who worked in the places like banks, telecommunication, hospitals etc. Today, information technology has become a household phrase. It defines binds places as industries, supermarkets, and others that use computers, networking, software programming etc. This age is also called "Age of Information and Communication Technology" where technology is playing a very important role.

What is Information and Communication Technology (ICT)?

As we know, computer technology is called information technology, which process data and provides information and telecommunication. This is the technology of sending data and message over long distance.

The term ICT is now used to refer to the combination of computer technology with telecommunication as well. So, the combination of a computer network technology with telecommunication is called Information Communication Technology.

ICT can be defined as the set of technological tools and resources used to communicate and create, disseminate, store and manage information. These technologies include computers, internet, broadcasting technologies and telephony.



Uses of Information Communication Technology

The development of ICT has made our life easier and comfortable. Due to the development of information and communication technology, the world has changed into the small global village. Today a man who lives in one corner of the world can get and share information by using his/her computer. We can attend a virtual class using the Internet through ICT. ICT has helped in each sector of our life.

## APPLICATION OF ICT

ICT also includes the various services and applications associated with them, such as videoconferencing and distance learning, that plays a vital role in the creation of new media modes of interaction between people. There are lots of uses of ICTs in everyday life. Some uses of ICTs in various fields are as follows:



### Education

ICTs are playing the remarkable role in the education sector. Teachers use ICTs to research for teaching materials, participate in the online conference as well to aid their teaching. Students use ICTs as reference tool. They use Internet to search for their study materials. In an online system of study, students can access class notes, submit assignments and also join a discussion group with the help of ICTs. Researchers use ICTs to collect and process data. School administrators use ICTs for administrative purposes.



### Banking

ICTs control the entire banking system that also includes "Electronic Banking Services". It is also known as the nerve center of the banking system around the world. Customers use ICTs to make transactions at 24 hours service centers. Business persons use ICTs to save their time by using online services. Bank administrators use ICTs to control the entire banking system.



## E-Commerce

Buying and selling goods by the use of an internet are known as e-commerce. E-commerce helps in boosting the economy. It makes buying and selling activities easier and faster. In an e-commerce sector, customers, suppliers and employees get benefits from the usage of ICT. Customers use ICTs to connected online with suppliers to purchase products. Suppliers use ICTs to keep track of their transactions. Employees use ICTs to communicate with their customers for any inquiries.



## Health

ICT applications have been valuable resources in the medical field. They support the efficient exchange of information between health professionals, they enable transfer of patient records and can improve the quality of care provided by health professionals. Ct Scan, Ultra Sound, ECG are done by the help of ICTs to diagnosis different diseases.

Act

## Communication

ICT is Used for communication. Nowadays people are in touch with the help of ICT. Through chatting, E-mail, voice mail and social networking people communicate with each other. It is the cheapest means of communication.