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Information Technology

Information Technology is a contemporary term that describes the combination of computer technology (hardware & software) with telecommunications technology (data, image & voice networks).
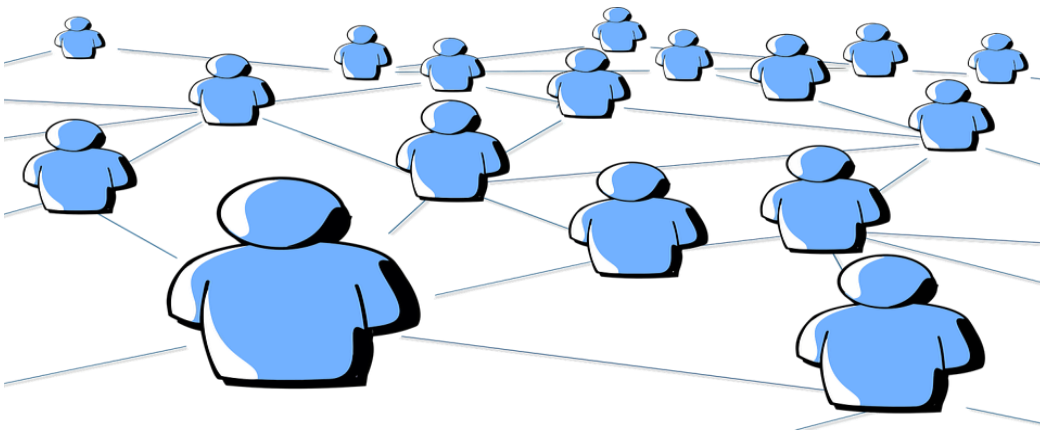

Communication

Basic needs for most human activities.
Traditional_ telephone, fax, mail.
The new communication technology enables people located in different places to work together as if they were in the same office. Big multinational companies are already exploiting this technology to achieve better use of the resources of their separate offices. In this way projects can be shared between offices with the application of the best expertise & around the clock.

Computer

A computer is a digital electronic machine that can be programmed to carry out sequences of arithmetic or logical operations (computation) automatically. Modern computers can perform generic sets of operations known as programs. These programs enable computers to perform a wide range of tasks.

Computer Use

The purpose of a computer is to process data into information.

- Data consist of the raw facts & figures that are processed into information.

- Information is data that has been summarized or otherwise manipulated for use in decision making.

Hardware & Software

- Hardware consist of all the machinery & equipment in a computer system.
- Software or programs consist of all the electronic instruction that tell the computer how to perform a task.

Internet

The Internet is the global system of interconnected computer networks that uses the Internet protocol suite to communicate between networks and devices. It is a network of networks that consists of private, public, academic, business, and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.
The value of internet to construction companies derives from its ability to easily connect globally to a vast amount of data which would otherwise can taken more time & money to organize. By exploiting the resources of the internet construction companies can gain the following benefits_
- Acceleration in the distribution of knowledge resources within & out with the company.
- Promotion & Marketing for the company.

Modern Technology

By the early 21st century nearly every child in the western world & many in other parts of the world knew how to use a personal computer. Businesses' information technology departments have gone from using storage tapes created by a single computer operator to interconnected networks of employee workstations that store information in a server farm, often somewhere away from the main business site.

Technology facilitate our life

Technology & information maybe regarded as two things are mutually binding. Both support functions that are fairly similar. Advances in technology are always facilitate the delivery of information. The rate information from one country can spread rapidly to other countries, even to all countries through increasingly sophisticated technology.

Advances in information technology provide enormous benefit in human survival. Information technology can provide facilities in various aspects of life. One area of life that has a close relationship with the use of information technology is the world of work.