

INFORMATION TECHNOLOGY (IT)



INFORMATION SYSTEMS

What do the information system do?

Information systems collect, organize, store, process, retrieve and display information in different formats (text, video and voice).

What does IT allow?

Very fast, automated manipulation of digital data and their transformation from and to analogue.

TWO BASIC TECHNOLOGIES responsible for the development of the necessary **HARDWARE**

INTEGRATED CIRCUITS
DIGITAL COMMUNICATIONS



SOFTWARE

What do easy-to-use software products do?

They create, maintain, manipulate and query files and records.

Without software, computers are just dumb boxes, unable to perform any calculations or operations.

Another important factor is...?

Development of COMPUTER NETWORKS.



MODELS AND TYPES OF COMPUTER

DESKTOP

LAPTOP

MAINFRAME

NOTEBOOK

SERVER

TERMINAL

WORKSTATION

COMPUTER HARDWARE

CPU (CENTRAL PROCESSING UNIT)

DOT MATRIX PRINTER

EXPANSION CARD

INKJET PRINTER

KEYBOARD

LASER PRINTER

MONITOR

MOUSE

RAM (RANDOM ACCESS MEMORY)

SCANNER

SCREEN

STORAGE DEVICES



SOFTWARE

APPLET

APPLICATION SOFTWARE

BROWSER

DATABASE SOFTWARE

EMAIL SOFTWARE

GRAPHIC SOFTWARE

OPERATING SYSTEM

SEARCH ENGINE

SPREADSHEET

WORD PROCESSING

NETWORK

A network includes:

- techniques
- physical connections
- computer programmes

Network users can:

- share files, printers and other resources
- send electronic messages
- run programmes on other computers

Explain the following words

PROTOCOL

GATEWAY

WWW

INTERNET

DATABASE

NETWORK OPERATION

CONFIGURE

DOWNLOAD

HACK

HUB

INSTALL

INTERNET SERVICE PROVIDER (ISP)

LOCAL AREA NETWORK (LAN)

SWITCH

TRANSMIT

UPLOAD

WEB PAGE

WEBSITE

WIDE AREA NETWORK (WAN)

WIRELESS

Literature used:

N. Brieger & A. Pohl: Technical English



**"What program does God use
to upload the sun every morning?"**