

15th Feb-23

- : CS :-

Wednesday-

- : Computer Science :-

① Computer Fundamentals
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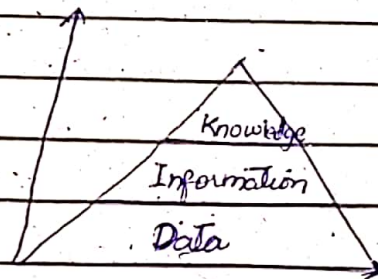
② Introduction to computers
6th edition

Intro - ch - 01A - pp1

1) Data

2) Information

3) Knowledge



- : Components of information system :-

- ① Hardware (keyboard, CPU, mouse)
- ② Software (there are two types
System software, Application software)

System software :-

Microsoft cannot
run without system software

Application software :-

They perform specific
tasks.

Networks :-

LAN : Local area network

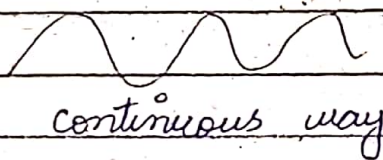
When we connect small area networks
its LAN.

WAN : Wide area network

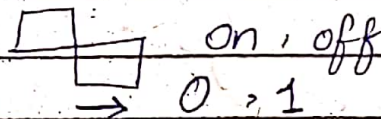
When we connect large area
networks its known as WAN.

* Computer \rightarrow data $\xrightarrow{\text{convert}}$ Information

Analog



digital



for example
 \rightarrow age

Desktop computer : we normally used
in homes.

Workstation :

we used these for offices.
These are specialized computers.

* Notebook computers:

Small portable computers.

* Tablet computers:

Newest development in portable computers.

* Handheld computer:

Very small computers.

PDA (Personal Digital Assistants).

* Smart phones:

E-mail access, web surfing.

Computer organization:-

It organized programs.

Network server:

Centralized computers. Its a network the computers are connect by this server.

Mainframes:

Used in large organization.

They handle thousands of computer.

Minicomputer:

Called midrange computers.

Its handle hundred of computers.

Supercomputers

The most ~~part~~ powerful part of computer. It's handle large and complex calculation.

Computer in society:

They provide information to users. Information is critical to our society.

Intro ch-01 B. ppt.

* Looking inside the computer:

- 1) Hardware
- 2) Software
- 3) Data
- 4) User.

1. Information processing cycle:

- * Input
- * Processing
- * Output
- * Storage

* Input: (we enter data in computer)

by input devices

e.g.: keyboard, mouse, microphone etc.

* Output: (we receive information after)

processing its known as

e.g.: (speaker, monitor): output.

* Processing:

When we work on any data its called processing -

* Storage:

They store data in device
its known as Storage.

* Primary Storage

Its data is not
store permanently

Secondary storage

Permanently data
store in secondary
storage.

{ → Ctrl + S
To save the data