

Introduction to Computer(01103)

Lecture # 01

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BS_1st Statistics

Topics

- Introduction to Computer
- A BRIEF COMPUTER HISTORY
- Components of Computer

Components and peripherals necessary to assemble a basic modern PC system.

Introduction to Computer

A **computer** is an electronic device, operating under the control of instructions stored in its own memory that can accept data (input), process the data according to specified rules, produce information (output), and store the information for future use¹. Any kind of **computers** consists of HARDWARE AND SOFTWARE.

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A **computer** is a machine that can be programmed to accept data (input), process it into useful information (output), and store it away (in a secondary storage device) for safekeeping or later reuse. The processing of input to output is directed by the software but performed by the hardware.

A BRIEF COMPUTER HISTORY

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- The computer as we know it today had its beginning with a 19th century English mathematics professor name Charles Babbage. He designed the Analytical Engine and it was this design that the basic framework of the computers of today are based on.
- Generally speaking, computers can be classified into three generations. Each generation lasted for a certain period of time, and each gave us either a new and improved computer or an improvement to the existing computer.

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Computer with its Components



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Components of Computer

- There are five main hardware **components** in a **computer** system: Input, Processing, Storage, Output and Communication devices. Are devices used for entering data or instructions to **the** central processing unit. Are classify according to **the** method they use to enter data.

Hardware components of a computer

The hardware components—video card, processor, memory, motherboard and hard drive—are the same for all computer systems.

- Central Processing Unit (CPU) The CPU is the "brains" of the computer. ...
- Random Access Memory (RAM) RAM is variable in a computer. ...
- Hard Drive. ...
- Video Card. ...
- Motherboard

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Here are the components and peripherals necessary to assemble a basic modern PC system:

- Motherboard.
- Processor.
- Memory (RAM)
- Case/chassis.
- Power supply.
- Floppy drive.
- Hard disk.
- CD-ROM, CD-RW, or DVD-ROM drive