

COMPUTER TECHNOLOGY ENGINEERING

COMPUTER INSTALLATION

1st

The second lecture

(the units or parts of the computer)

the most important computer developers.

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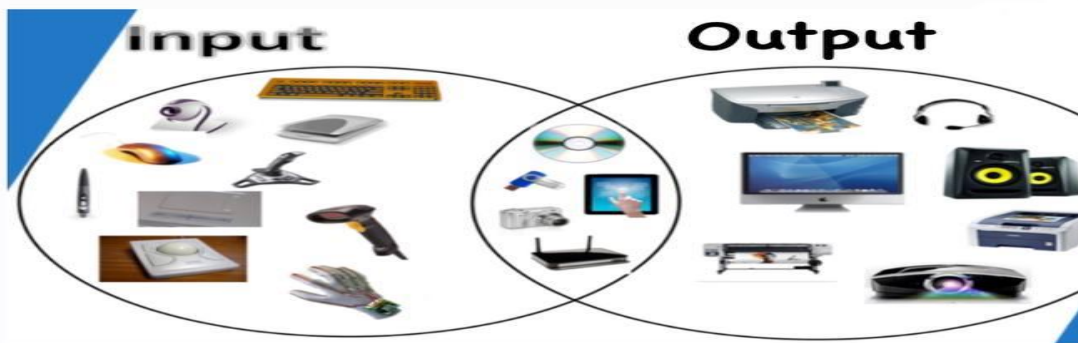
The basic components of a computer

The basic components of a computer are the input unit, the output unit and the central processing unit. These three units are mainly responsible for creating the functionality of the computer and should work in complete synergy as this will ensure the overall good performance of the computer.

Input unit The components of this unit help users to enter data and commands into the computer system, and the data can be in the form of numbers, words, procedures or orders, and the main function of input devices is to direct commands and data to computers

Central processing unit After receiving data and commands from users, the computer system must process it according to the instructions provided by the central processing unit. It consists of a memory unit that stores data. The memory unit uses a set of pre-programmed instructions to transfer this data to other parts of the central processing unit. It also includes the Arithmetic and Logic Unit, which is concerned with processing arithmetic operations.

Output unit The third component of a computer system is the output unit. After processing the data, it is converted into a format that the user can understand. The output units display the data to users. It is the last station at which the work of the central processing unit ends. Examples of output devices are monitors, printers, and amplifiers.



Figure(input & output)

computer technology pioneers

Blaise Pascal: He is the inventor of the mechanical calculator.



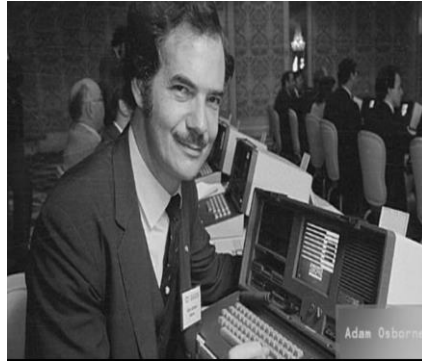
William Shockley: He is the inventor of the transistor used in computers.



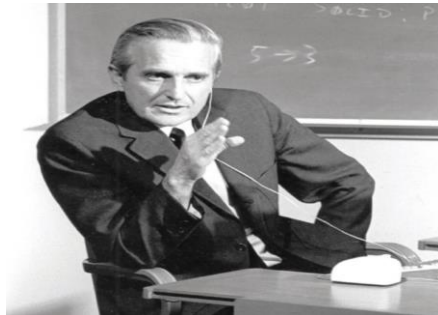
Steve Wozniak: He is the Apple computer designer with Steve Jobs.



Adam Osborne: The developer of the first portable computer known as Osborne



Douglas Engelbart and Bill English: They are credited with developing the computer mouse, hypertext and GUI.



Alan Turing: Turing made tremendous contributions to computer science, including inventing a cipher-breaking machine that was used in World War II and was instrumental in the field of artificial intelligence.

