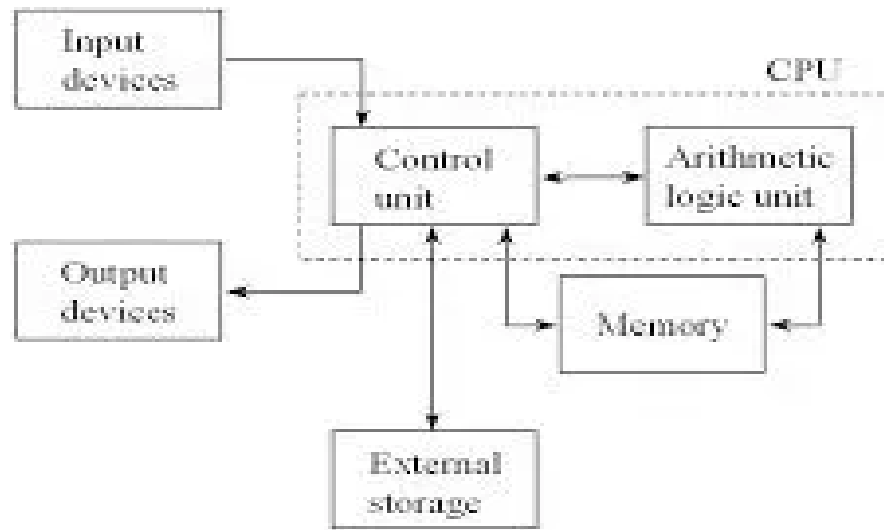


Basic Organization of the Computer



- The important parts of a digital computer are the CPU, main memory, secondary storage and peripheral devices.
- A bus interconnecting all the components of a computer is usually called a system bus.

Basic Organization of the Computer

- **CPU**: It contains **ALU** for manipulating data, number of **registers** for storing data and **Control unit** for generating necessary control signals.
- **Main memory**: It is also called **Random Access Memory (RAM)** which is used to store and read the data required for executing instructions. Currently, we are using **dynamic RAM (DRAM)** modules.
- **Input Devices**: It is used to provide input to the computer like the **keyboard**.

Basic Organization of the Computer

- **Output Devices:** It is used to take output from the computer like the **monitor**.
- **External or Secondary Storage:** It is used to store data in secondary storage device like **hard-disk**.
- **System Bus:** The system bus is an internal bus, intended to connect the processor with internal hardware devices. The three internal buses associated with system bus are: **data bus, address bus, and control bus**.