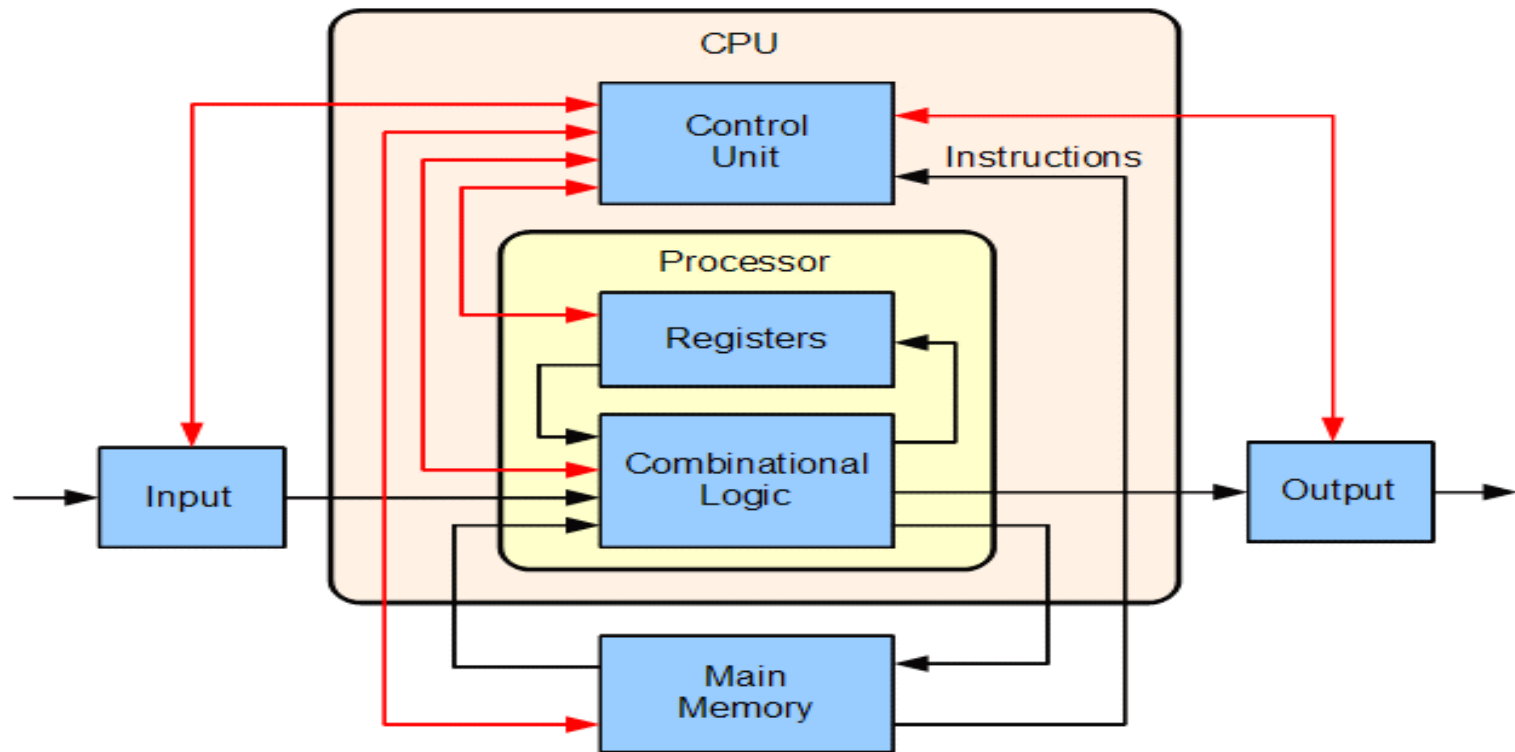# Building Blocks of Computers

BUILDING BLOCK OF COMPUTER

- Structure diagram consists of input devices, processing units and output devices.
- There are three units in building a computer.

Building Blocks of Computer

1. INPUT UNIT

- ✓ Used to receive data and instruction from users
- ✓ Converts the data and instructions to machine readable code.
- ✓ Common input devices are keyboard, mouse, joystick, scanner, etc.

FUNCTIONS OF INPUT UNIT

- **Accept** - the data and instructions from outside world.

- **Convert -** it to a form that the computer can understand.

- **Supply** - the converted data to the computer system for further processing.

2. PROCESSING UNIT

- It is the brain of the computer.
- CPU performs actual processing of data according to instructions from programs.
- Consists of three parts: *Memory Unit, Control Unit And Arithmetic Logic Unit* (ALU)

Memory unit: Place where data and instructions are stored during processing period. Popular memory are RAM and ROM.

Control unit: It controls the entire system of computer.

✓It makes proper sequence to direct the input data and instructions to memory to ALU.

✓It also controls signals to various parts of computer.

✓It also transfer result from ALU to memory and then to output devices.

Arithmetic Logic Unit:

✓ Comprises number of register on its constructions.

✓ All data from memory gets loaded in ALU.

✓ It performs various arithmetic and logical operations of the programs.

3. OUTPUT UNIT

- Computer provides information and results of computation to the outside world through output unit.

- The output unit consists of one or more output devices.

- Some output devices are:

  - Monitor

  - Printer

  - Speaker