

Hardware Requirement in Multimedia



only for CS 1st Year
(Multimedia & Animation)

Presented by : REETA

Basic Hardware Requirement

- This Hardware components of a multimedia computer system can be divided into some categories:

- 1) CPU
- 2) Sound Card
- 3) Input devices
- 4) Output devices
- 5) Storage devices
- 6) Communication device, etc.



1. CPU

- It is the Central Processing Unit.
- It is consider as the brain of computer.
- Where processing and synchronization of all the activities take place.



2. Sound Card

- We need to convert the conventional sound signal to computer understandable digital signal.
- This is done using a special component called sound card.



3. Input Devices

- An input devices is any hardware devices that sends data to a computer, allowing you to interact with and control the computer. Some input devices are:
 - Keyboard
 - Pointing device
 - Scanners
 - Mouse
 - Tracker ball
 - Touch Screen, and etc.



4. Output devices

- Output devices receive the processing from the computer and presents or displays it. Some output devices are:
 - Monitor
 - Printer and etc.

Output devices: Examples

Some output devices are:

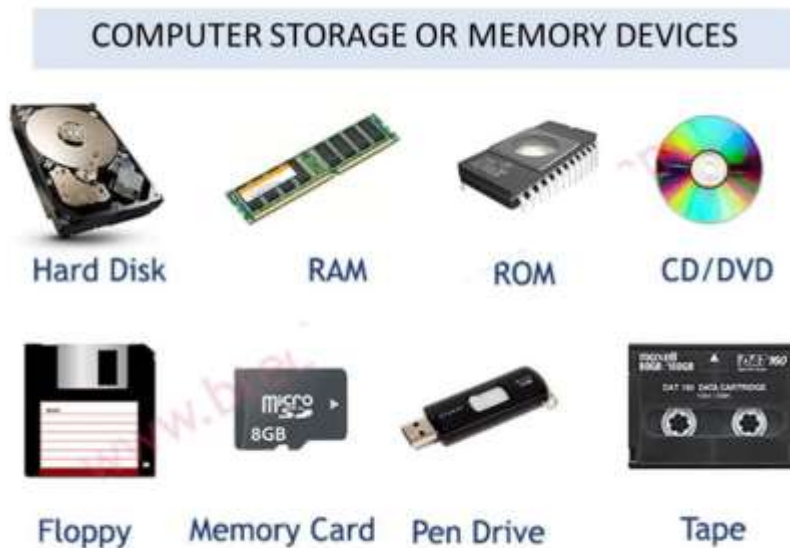
- ✓ Speaker
- ✓ Headphones
- ✓ Screen (Monitor)
- ✓ Printer
- ✓ Projector
- ✓ Plotters



Output devices

STORAGE DEVICE

- **Hard-disks**
- **CD-ROMs**
- **Pen-drive**
- **DVD (etc..)**



CAPTURE DEVICE

- Video Camera**
- Recording**
- Audio**
- Microphones**
- Keyboards**
- Graphics Tablets**
- 3D Output Device**

Communication device

- The different types of communications devices used in multimedia. These are included in:
 - Modem (over phone line)
 - Network card (using Ethernet)
 - Smartphone.
 - **Wi-Fi devices** (using a Wi-Fi router)



ComputerHope.com

Thank You