

⇒ Multimedia Hardware Platform

Multimedia presentation is dependent on the processing power and data storage capacity of the computer. Some basic H/W components that make a complete multimedia system are:

- 1) Device like keyboard, mouse, joystick, touch screen by which the user can interact with the system.
- 2) A high resolution screen and graphics accelerator card that can output good quality still images, video clips as well as animation, text graphics.
- 3) Speakers for speech and music output.
- 4) Microphone for audio recording.
- 5) Sound card and video grabber card to capture, digitize and edit audio and video material.
- 6) CD-ROM drive for playback pre-recorded source material.

The minimum features of multimedia PC should have:-

- 1) 75 MHz Intel Pentium Processor or equivalent.
- 2) 8 MB RAM.
- 3) 540 MB Hard disk drive with 15 ms access time, 1.5 MB/sec Sustained throughput.

- 4) CD-Rom Drive with 950ms access time,
~~1.5 MB~~ 600 KB/sec transfer rate.
- 5) 3.5", 1.44 MB Floppy Disk Drive.
- 6) Color Monitor with display resolution of 640x480 with 65,536 (16 bit) Colors.
- 7) Video playback (Full Motion video)
- 8) 101 key IBM Compatible Keyboard or equivalent.
- 9) Two button Mouse.
- 10) Audio board.
- 11) MIDI Input-Output port.
- 12) Joystick port.
- 13) Headphones / Speaker.
- 14) Serial and Parallel port.
- 15) Operating System (DOS, Windows etc).