

COMPUTER SPECIFICATIONS

①

→ Special features in computer. Called computer specifications.

→ There are many specifications. They are

• Processor Speed - expressed as
→ Hertz (Hz)
→ Megahertz (MHz)
→ Gigahertz (GHz)
• High processing speed - helps computer run

• RAM [Random Access Memory]

2 (or) more programme at same time.

→ Storage device

→ Can listen to music while working on word document } at same time

→ Can also use internet to check email

→ RAM slow - makes computer slow.

→ RAM high - makes computer work fast.

• → RAM ranges $\begin{cases} 1 \text{ GB} \\ 2 \text{ GB} \\ 4 \text{ GB} \end{cases}$ } as per need

→ CAD needs more RAM.

• Hard Disk Drive

→ main storage device.

→ Data like $\begin{cases} \rightarrow \text{word files} \\ \rightarrow \text{drawing files} \\ \rightarrow \text{photos} \\ \rightarrow \text{movies} \end{cases}$ } Can be stored.

→ Big hard disc - more files can be stored.

→ 2 types of hard disc $\rightarrow$ inbuilt

$\rightarrow$ external hard disc

[like Pen drives, it works]

Optical Disc Drive:

(2)

- helps to copy files in

→ CDs

→ DVDs.
- Reading means

→ to view

→ to run

 files in CD/DVD.
- 'Writing' means → saving files from computer
- 'Writing' also called as 'burning'

to → CD

→ DVD.
- Some Optical Disc Drive write CD in a minute.
- Others may take 5 minute to write same file.

USB [Universal Serial Bus] :-

- mouse
 - data cards
 - cellphones
 - camera
- }
- connected to computer
through
USB.
-
- can

→ read

→ edit

→ save

 } can be done to computer
through USB.
 - Data Transfer from cellphone to computer done.
 - LCD projector can be connected
 - Internet connections can be done.
 - cellphone to computer
 - computer to cellphone
- }
- done through
USB for file transfer.
- Scanned by CamScanner

• Keyboard & Mouse:

(3)

→ Desktop computer - Seperate keyboard & mouse.

→ Laptop - in built keyboard & touchpad.

* touchpad saves as mouse.

* Mouse can be connected extra.

mouse has → 2 buttons

Recent developments:
↳ Scroll in centre

→ wireless keyboard

→ wireless mouse

→ Touch screen computers - no need of keyboard & mouse.

• Network connections:

→ broad band connections } gives network
blue tooth } connection

→ Broadband connection:

→ connected to computer through modem.

→ Recent development:

• wireless connectivity.

• data card usage.

→ Bluetooth connections:

→ also wireless connection

→ helps in data transfer.

• Audio / video:

(4)

- Speakers inbuilt in computers.
- microphones } can be connected to
speakers } computer.
- Headphones can also be used.
- Video conference done using web cam
- in built in laptops.
- For desktop can be purchased separately.

• Graphic Cards:

- Visual clarity depends on graphic cards.
- Recent developments:
 - LCD
 - LED
- For higher picture quality } helps to run
→ run multimedia } faster. by
graphic card.