

Output Devices devices

Projector :-

Projector is special output device that accept video form computer and project/display on the large screen . It is a device that take image from video source and project it onto a screen or another surface. Projectors are used a wide range of applications varying from home theater system, television program to organizations seminar conference for projecting information and presentations. It allow user to adjust and projection screen as per desire.

To display the image , projector first display that image on to small screen inside the projector itself then projected on the final screen using bright light and lens. The lens is shaped such a way that it takes the small image and turns it into a dramatically larger one.

Projector can broadly categorized as :

1. LCD projector : make use of their own light to display the image on the wall/screen. These projectors are based on LCD technology. For sharpen display room must be darkened .
2. DLP (Digital light processing) projector: DLP projector use as numbers of mirrors to reflect the light. During display , room may not be darkened because, it display clear image on the screen /wall.

Speakers/ Sound Box :-

Speaker is a computer device that convert digital signal into sound by amplifying the digital data. It is important and useful in listening the music /sound or viewing the video display on the computer screen as entertainment. At present so many type of speakers available in market that attached with computer through audio jack. There is a device inside the computer known as sound card that is responsible for sound conversion and amplification. To days, head phone is most important sound device to produce the sound output from the computers devices. Some head phone and sound device come with noise cancellation facility and sound application capability by which we can adjust the sound factor like bass, terrible and other sound frequencies for producing the sound .

Printer :-

It is hard copy output device that take text and graphics as input and print it on the paper so that we can keep it as record for future use. Computer device and produce , hard copy output through this device . in market , we have several type of printers available that differ in size, speed of printing, sophistication and costs . the quality of printers are measured as :-

1. Color :- it is important during output as presentation map and other page as photo printing. Most of the printers available are black and white which is economy and less expensive than color printers
2. Resolution :- it means that sharpness of text and images rendered on paper. It is determined in dpi(Dot per inch). Advanced printer have more resolution . in general , it is 600 dpi.
3. Speed :- it means . number of pages printing capability of the printer. High speed printer is quite expensive .
4. Memory- each printer have their own buffer area where they store the information before printer. A printer having more buffer area is useful to print large volume of data like map and large file.

Type of printer :-

1. Impact printer:- the printer technology in which print head touches and paper during printing the document is known as impact printer. It is more mechanical less technological . it was useful in earlier days of computer

application. Such as . dot matrix printer, daisy wheel printer, etc.

Advantage of impact printer:-

1. These printer are less expensive and produce carbon copy of the document.
2. Maintenance cost and printing cost of such printer was very less.

Disadvantage

1. These printers are slow in printing the document
2. They offer poor quality , graphics data can not be clearly display on page
3. They are extremely noisy
4. They can print only using fixed font.

Nonimpact printer :- non impact printer is the printer type whose print head do not touches the paper during printing the document. They office better print quality, faster printing and ability to create prints that contain sophisticated graphics . non-impact printers have either solid or liquid cartridge based ink which is either sprayed dripped or electronically down on the page .

Advantage :

1. Non impact printer produce prints of good quality and hence render sophisticated graphics
2. Such printers are noise less
3. Non-impact printers are fast in printing.
4. They can print text with different font.

Disadvantage :

1. These printers are expensive
2. The ink cartridge is also costly