

## **Lab - 1**

1. **IMAGE:-** An image is the visual representation of something. These iamges can be taken from camera, graphics etc.

**Types of image:-** There are two types of images:

- **Raster Image**
- **vector Image**

### **Difference between Raster and vector:-**

- Raster images are constructed through pixels whereas Vector images are constructed through lines, curves, and fills.
- Raster prefers graphic formats like GIF, JPEG, etc whereas Vector uses graphic formats like EPS, WMF, etc.

2. **COLOUR MODEL:-** A color model is an abstract mathematical model describing the way colors can be represented as tuples of numbers, typically as three or four values or color components.

3. **PIXELS:-** A pixel is the smallest unit of a digital image or graphic that can be displayed and represented on a digital display device.

4. **RESOLUTION:-** Resolution is a measure used to describe the sharpness and clarity of an image or picture. It is often used as a metric for judging the quality of monitors, printers, digital images and various other hardware and software technologies.

5. **DPI:-** DPI is used to describe the resolution number of dots per inch in a digital print and the printing resolution of a hard copy print dot gain, which is the increase in the size of the halftone dots during printing.

6. **VIDEOS:-** Video is an electronic medium for the recording, copying, playback, broadcasting, and display of moving visual media.[1] Video was first developed for mechanical television systems, which were quickly replaced by cathode-ray tube (CRT) systems which, in turn, were replaced by flat panel displays of several types.

7. **HTML:-** HTML stands for hyper text markup language. It is the standard markup language for creating the web pages. it describes the structurs of web pages. It consist the series of elements.

8. **HYPERTEXT:-** Hypertext is the text which is not constrained to be linear. it contains links to

other text . This term coined by by Ted Nelson.

9. **WEBSITE:-** A website is a collection of publicly accessible, interlinked Web pages that share a single domain name. Websites can be created and maintained by an individual, group, business or organization to serve a variety of purposes.

10. **HOSTING:-** Hosting is a service through which storage and computing resources are providing to an individual or organization for the accommodation and maintenance of one or more websites and related services.

11. AR/VR/MR:-

- Augmented reality (AR): a view of the real world—physical world—with an overlay of digital elements.
- Mixed Reality (MR): a view of the real world—physical world—with an overlay of digital elements where physical and digital elements can interact.
- Virtual reality (VR): a fully-immersive digital environment.