

# **module 1) fundamentals of IT**

## **1. Difference between a web designer and a web developer**

- A web designer creates the design and creates the look of a website.
- should have skills such as CSS,css3, bootstrap, javascript
- A web developer is do programming to develop the website.
- should have programming skills in HTML, PHP, MY SQL, PYTHON, etc.

## **2. What is pixel**

- Pixels are the smallest unit in a digital display. Up to millions of pixels make up an image or video on a device's screen.

## **3. How the website works**

- A website is simply a collection of web pages of codes-codes that describes the layout format and content on a web page. The web server is an internet-connected computer that receives the request for a web page sent by your browser. The browser connects your computer to the server through an IP address.

## **4. Client and server scripting language**

- clientside:- HTML , CSS , JAVASCRIPT
- serverside:- PHP, PYTHON,

## **5. Type of website**

- static:- That means that nothing on the page will change by the user
- dynamic:- A dynamic website or dynamic web page contains information that changes, depending on the viewer

## **6. Domains and hosting**

- domain:-A domain is part of the web address nomenclature someone would use to find your website or a page of your website online.
- hosting:-Hosting (also known as Web site hosting, Web hosting, and Webhosting) is the serving and maintaining files for or more websites

## **7 . Responsive web designing**

- responsive design is to build web pages that detect the visitor's screen size and orientation and change the layout accordingly.

## **8 . SEO**

- SEO stands for 'Search Engine Optimization
- It improves your website's position on search results pages. Remember, the higher the website is listed, the more people will see it.