**Assignment no-1**

**Internet-**

Basically, Internet is connection of network of networks. It is used to interlink a large amount of network devices in the whole world.It is the largest network in the entire world.

Components of internet:-

1. ISP(Internet service provider)
2. Web browser
3. Website
4. URL(uniform resource locator)

**Web browser-**

A web browser is application software for accessing the world wide website or a local website.when a user requests a web page from a particular website,the web browser retrieves the necessary content from a web server and then displays the web page on the user's device including laptops ,tablets ,desktops and smartphones.

There are many web browsers in the IT industry like google chrome,mozilla firefox,brave,opera mini,internet explorer etc.

**Browser Engine-**

Browser engine works as intermediator between user interface and rendering engine. It communicates the functionality of the user interface with the rendering engine.A browser engine is one of the crucial technologies that power the browser. The basic task of an engine is to convert the source code such as HTML documents of the webpage into a visual representation that a user finds interactive.

It is different from a search engine.

There are various browser engine in the below:-

1)gecko( mozilla firefox)

2)webkit(safari/apple)

3)Blink(google chrome)

4) Trident(internet explorer)

5)Presto (opera)

All render most websites in very similar ways at very similar speeds.

**Static website-**

Static websites are those whose content does not change throughout the process.

Static website does not require any kind of database to store any kind of information of the user or of the website.

The loading and browsing of the static websites are faster than dynamic websites since the static websites have nothing to do with the server and therefore, directly load on the client’s browser.

For example,static website resumes.

**Dynamic website-**

Dynamic websites are those whose content or information changes on the regular basis.

It offers unique content to visitors each time they view the site.

This display changes depending on a number of factors like viewer demographics,time of day, location,language settings etc

E-commerce websites are developed on the basis of dynamic nature.

For example,facebook website,amazon,flipkart,instagram etc.