



INTERNET AND ITS SERVICES

Internet stands for Interconnected Network . It is a huge network of computers around the world. These computers are connected to each other by telephone wires.

Definition and History

- . The **INTERNET** is a network of computers, which links many different types of computers all over the world.
- . ARPANET was the first WAN and had only four sites in 1969.
- . In 1989, the U.S. government lifted restrictions on the use of **INTERNET** , and allow its usage for commercial purpose as well



Uses of Internet

- ❖ Can get lot of information on any topic.
- ❖ Can send messages to any part of the world.
- ❖ Can chat with people on the internet.
- ❖ Can buy things on the internet.
- ❖ Can find images , videos and etc...



Requirements for connecting to the internet

To make our computer a part of the internet, following are the requirements

- Modem
- Telephone Line
- Internet Service Provider (ISP)
- Web Browser



Modem

A modem is a peripheral device that allows us to connect and communicate with other computers. Modem stands for Modulator Demodulator.



Telephone Line

A telephone line is required to transfer data from one computer to another computer. The computer is connected to a modem, which is in turn connected to a telephone line .

Internet Service Provider(ISP)

Internet service provider is a company or organization that provides Internet services to the user. ISP charges certain amount on monthly basis or amount of data has to be downloaded for the service.

Examples:- NTC , World link, Via Net , Web surfer, TP link etc.

Difference between Internet and Intranet

Internet

- i. It is public global network.
- ii. It is independent to use the services and resources .
- iii. It runs slower than intranet.

Intranet

- i. It is private network.
- ii. It is dependent to use all the resources .
- iii. It runs faster than internet.

Basic Services Of The INTERNET

❑ Electronic Mail (E-mail)-

Allows user to send a mail (message) to another internet user in any part of the world in a near-real-time manner.

❑ File Transfer Protocol (FTP) –

Allows user to move a file from one computer to another on the internet.

❑ Telnet-

Allow a user to log into another computer somewhere on the internet.



Electronic Mail

E-Mail is a rapid and productive communication tool because:

- ❑ It is faster than paper Mail.
- ❑ Unlike telephone , The persons communicating with each other need not to be available at the same time .
- ❑ Unlike Fax documents, Email documents can be stored in a computer and be easily edited using editing programs.

Advantages of E-mail

- I. E-mail is fastest and cheapest mean of communication.
- II. It is reliable and secret.
- III. Single mail can be sent to many persons.
- IV. E-mail also supports audio, video, animations, etc.

E-mail Adress

The E-mail address is also called e-mail ID. It is the location of the personal mailbox in the internet. It has two parts as User name and Host name .

Example:- razansgr853@gmail.com

User Name

Host Name



Web Address

This addressing scheme assigns names and numbers to identify computers on the internet. These names are called domain names and the numbers are called IP address.

A web address is the address or location of a website on the internet.

Example:- <http://www.bninfosys.com.np/>



Home Page

The home page is the opening page or the main page of a website. A home page typically contains introductory information about the website that has been accessed.



URL

A URL(uniform resource locator) ,
is an internet or intranet name
that points to a location where a
file , directory or website page is
hosted .



Web Site

Web site is a collection of one or more related web pages. A web site is similar to a magazine. We can move from one page to another on a website using the hyperlinks

Moving from one website to another is called net surfing.

The World Wide Web (WWW)

- World Wide Web or W3 is the most popular and promising method of organizing and accessing information on the INTERNET.
- Hypertext is a new way of information storage and retrieval that enables authors to structure information in novel ways.
- A properly designed hypertext document can help users to locate desired type of information rapidly.
- Hypertext documents enable this by using series of link.
- A link is a special type of items in a hypertext documents connecting the documents on internet are known as web pages.



WWW Browsers

- ❑ To use a computer as a web client a user needs to load on it a special software tool known as www Browser.
- ❑ Browser provides following navigation facilities-
 - Do not require a user to login to a server computer.
 - Enables a user to visit a server computer's site directly and access information on it by specifying its URL (Uniform Resource Locator).
 - Maintain a history of server computers visited by user in a surfing session.
 - Enable a user to download information in various formats.

INTERNET SEARCH ENGINES

- ❑ Internet search engine is an application , which helps users to locate web sites containing useful information and references.
- ❑ To search information:
 - A user types the description of the information using the user interface of the search engine .
 - The search engine then searches the requested information on the WWW and returns the results to the user.
 - Results enables the user to locate the requested quickly from the last ocean of information available on the internet.



USES OF INTERNET

Some important current strategic of the INTERNET are :

- ☐ On-line communication
- ☐ Software sharing
- ☐ Exchange of views on topics of common interest
- ☐ Posting of information of general interest
- ☐ Organization promotion
- ☐ Product promotion and feedback about products
- ☐ Customer support services
- ☐ On-line Journals, magazines , Encyclopedia , and dictionary
- ☐ On-line shopping
- ☐ World-wide conferencing