


Grade: X

Internet & E-mail

(Chapter - 2)

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Internet & E-mail

Internet

The Internet, sometimes called simply "**the Net**," is a worldwide system of computer networks.

Internet is the largest computer network that connects millions of computer networks all over the world. So, it is known as **network of networks**. There are millions of powerful servers in the Internet which provide data, information and other services to the client computers.

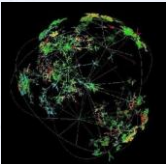


Fig. Internet Map

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Internet & E-mail

Services provided by the Internet:

- Sharing Information & resources
- Electronic Mail (E-mail)
- World Wide Web
- Newsgroups
- E-Commerce
- Downloading and Uploading files
- Business Communication
- Advertising
- Discussion & Chat
- Entertainment



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Components of Internet:

- Computer System
- Connection Medium
 - Modem & regular telephone line (for Dial-up/ADSL connection)
 - Cable modem for broadband connection
 - Router (if required)
- Web browser like Internet Explorer, Netscape Navigator etc.
- Mail messaging software like Outlook Express, IncrediMail etc.
- Registration to one of the local ISP like Worldlink, Mercantile etc.

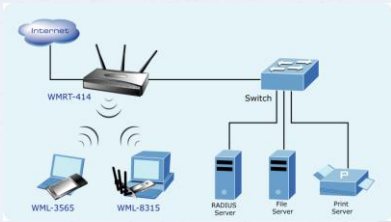
ADSL: Asymmetric Digital Subscriber Line
ISP: Internet Service Provider

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Internet Connection:



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Internet Terms:

WWW (World Wide Web)

A service that resides on computers that are connected to the Internet and allows end users to access data that is stored on the computers using standard interface software (browsers).

Website

A **website** is a collection of web files on a particular subject (news, educational services, product information, database, banking services etc.) that includes a beginning file called a **home page**.

It is stored on power computers called **web servers** which can be accessed by various Internet users across the world.

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Internet Terms:

URL
A unique address that specifies the location of a file on the Internet is called **URL**. Web browsers use URL to provide information to the users. (e.g. <http://www.brushuponline.edu.np/images/logo.jpg>)

Webpage
A single page of website that contains information in specific topic or subject is called a **webpage**. It commonly includes text, graphics, and links to other web pages.

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Internet Terms:

Browser (Web Browser)
A software or program that allows users to view content on the Internet and World Wide Web is called **web browser**. In another term, it is software required for browsing and surfing web sites. (e.g. Internet Explorer, Mozilla Firefox, Opera, Safari, Google Chrome etc.)



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Internet Terms:

IRC (Internet Relay Chat)
A most popular services provided by Internet that allows people at different locations can communicate with each other in **real time**.

Videoconferencing
Service of the Internet through which the people at **different locations** can **communicate** with each other face to face. It uses the same technology as IRC, but it provides sound as well as pictures.


E-Commerce
A services of Internet through which you can sell or buy goods. In simple terms, it is doing business through the Internet or online business through **Internet**.
The e-commerce sites are: www.muncha.com.np, www.ebay.com, www.sajhapasal.com, www.kinmel.com.np etc.

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Internet Terms:

Newsgroup
A system of discussion group that focuses on a particular subject or topic through which people can **post** articles or messages. **Internet**. Netscape News and Usenet are the examples of newsgroup.



Internet Telephony
A system that allows the user to make **voice communication** through internet using some additional hardware and software. It is one of the cheapest and reliable services provided by Internet.

Telnet
A program or tool of the Internet that allows a user to **connect** into a **remote computer** on the **Internet** so that the user can use computer from other location. Once connected to remote computer, the user can run programs, enter data and transfer files.

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Internet Terms:

Download
The process of transferring a file from a computer on the Internet to your own computer is called **download**. Things you might download include software, images, email, videos etc.

Upload
The process of copying a file from a user's computer to the remote computer (Internet) is called **upload**. It is the reverse process of download.

Search engine
Search engine is the web site that allows the users to search information based on a keyword or combinations of keywords in different subjects and topics.
Some of the search engine web sites are: google.com, yahoo.com, msn.com, bing.com etc.

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Internet Terms:


Intranet
A privately maintained computer network serving a single organization or site that is modeled after the Internet, allowing user's access to almost any information available on the network. Unlike the Internet, intranets are typically **limited to one organization or one site**, with little or no access to outside users.

Extranet
A private network, it can be viewed as part of a company's Intranet that is extended to users **outside the company** or branches of organization through the Internet.

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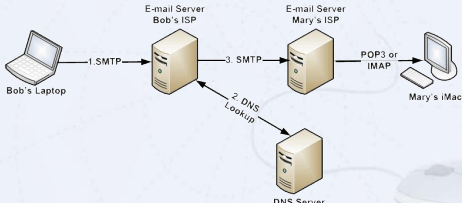
E-mail:
Short for **Electronic Mail**. It is the largest electronic message system that exchange of electronic messages and computer files through a telecommunications network such as the internet or mobile phone.



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Internet & E-mail

E-mail:
How it works



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E-mail:
Advantages of E-mail:

- The cheapest & the fastest means of communication
- More reliable
- Can be accessed from any part of the world and at any time
- Can be sent to different persons at the same time.

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E-mail:
Disadvantages of E-mail:

- Minor mistake in e-mail address then it may deliver mail to the wrong address.
- There is no guarantee that the message will be same as the sender has sent.

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Question and Answer Session

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