

SURFING INTERNET

The name 'Internet' itself suggests its meaning. It stands for International Network of computers.

A network is an interconnection between two or more computers. The Internet is a "network of networks" that consists of millions of computers spread across the world. Internet allows us to share the information worldwide, with just a mouse click.

With the advent of Internet, the old saying "World is too small" has been replaced by the new term "Global Village".



Fact File



Tim Berners-Lee
Founder of the World Wide Web.

BRIEF HISTORY OF INTERNET

In 1969 when man walked on the moon, the U.S. defence department set an Advanced Research Project Agency (ARPA) for further research. They designed a network of four computers to exchange and share their data. This network was called ARPANET (Advanced Research Project Agency Network). Later, many Universities were allowed to join this network and share the information. This was the beginning of 'Networking of computers' which grew bigger day by day and gave birth to INTERNET - the technology which has radically changed our life. Earlier, Internet was used by engineers, scientists and computer experts for research purpose. Gradually, the network was made accessible to private agencies and general public. People started using it for sending messages and files between the computers. The most interesting thing about Internet is that no single agency controls or maintains the Internet.

In India, internet services started on 15th August 1995 through government owned company VSNL. Private internet service providers like Airtel, Reliance, Sify, Tata etc. have also been allowed to provide internet services.

POPULAR SERVICES ON THE INTERNET

The basic purpose of Internet is to make our lives better. There are many facilities available on the Internet.

WWW (World Wide Web)

The World Wide Web is a large computer network where by using a browser such as Netscape, Internet Explorer, you can surf and get information. It consists of all the public web sites connected to the Internet worldwide, including the client devices (such as computers and cell phones) that access web contents. The websites are identified by short, unique, global identifiers called URLs (Uniform Resource Locator).

WWW contains millions of documents or 'bunch of pages' called web pages. Each page contains text, graphics, video, audio and link to other web pages via hyperlink.



Reference



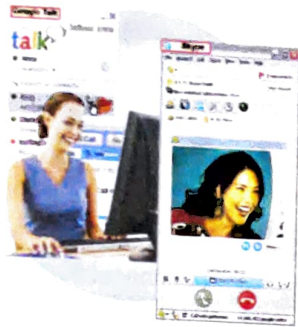
Visit the site
www.irctc.co.in to
reserve and print
Railway tickets.

E-COMMERCE

E-Commerce stands for Electronic Commerce, i.e. commercial activities over Internet. Internet offers us convenient ways to shop from our home or office for almost everything like air/rail/movie tickets, clothes, electronic items, books, gifts etc. We can buy or sell new or second-hand goods also.



CHATTING



A chat is an online conversation over the Internet in which we can instantly send text-based messages back and forth to one another. There are various types of chat available on the Internet. One can chat through an instant messenger, a chat room, a chat website etc. However most of them require the user to register first. Apart from text chat, we can also interact with other users through voice and video chat.

Chat rooms are places on the Internet where you can converse with different types of people like: your far-away friends, relatives, celebrities, and with corporations about their various products etc.

Some of the popular chat software are:

Google Talk

Windows Live Messenger

Skype

To use these software, download them through Internet and install. To chat using such software, you should have a user account.



ACTIVITY

Chatting Through Google Talk

- ◆ Double-click on the **Google Talk** icon on the desktop.
- ◆ Enter your username and password in the respective boxes given for them.
- ◆ Click on **Sign in** button.
- ◆ The Google Talk window opens. You will find other users who are available online with the green dot indicator.
- ◆ Click on the user name with whom you want to start a conversation. A chat window will appear.
- ◆ Type the message in the blank box at the bottom where cursor appears and press the Enter key.

VIDEO CONFERENCING

It involves the use of video cameras connected to two or more computers. Images and sounds are then sent through the Internet where users not only hear each other but can also have a face to face conversation. This technology is mainly used for virtual meetings among a group of people to discuss political, business, medical or social affairs. We can see the example of video conferencing on news channels.



SOCIAL NETWORKING SITES

Social Networking is the grouping of individuals into specific groups who for example, share ideas, activities, events, interest, photos, messages and videos. The social networking websites function like an online community of internet users. In social networking websites, every user has a profile, which contains information about them. A user can also invite other people to join these websites, no matter what their



hobbies, beliefs or interests are. Some of the popular social networking sites are: Facebook, LinkedIn, hi5 etc.

E-BANKING

Electronic banking is the way of performing bank transactions using Internet. Using E-banking, one can check the amount, make FD(Fixed Deposit) transfer the money, apply for loans etc. These transactions can be done from any part of the world if you have an internet connection on your computer. To perform E-banking, follow the given steps:

- ♦ Open the website of the bank in which you have an account.
- ♦ Enter Username and Password.
- ♦ Do the required transactions.



Fact File



Founders of Google
Larry Page(L) and
Sergey Brin(R)



USING INTERNET

We usually see captions like "visit us on www.intel.com". Such type of text which starts from www and ends with .com, .in, or .org, etc. is called **Web address** or **URL**. To see any site on the Internet, you have to type its web-address in the address bar of the Internet Explorer. E.g., If we enter the address, www.intel.com in the address bar, we will see the official website of Intel. There we will see some coloured and underlined text. It is called **Link**. On clicking a link, we move to another web page of the same (or some other) website.

SEARCHING INFORMATION

Internet is basically a vast resource of information. We can search and find information about websites, images, news, questions and answers, videos etc.

There are exclusive websites for searching information e.g., www.google.com or www.google.co.in from Google, www.bing.com from Microsoft, www.yahoo.com or www.yahoo.co.in from Yahoo.

Follow these steps to search any information. Let us say, we want to search the images of "Deforestation" on Internet.

- ♦ Open any search engine, say www.google.co.in. Click on the **Images** tab. Type 'Deforestation' and click on **Search** button.
- ♦ A list of images will be displayed. Select the image you like.

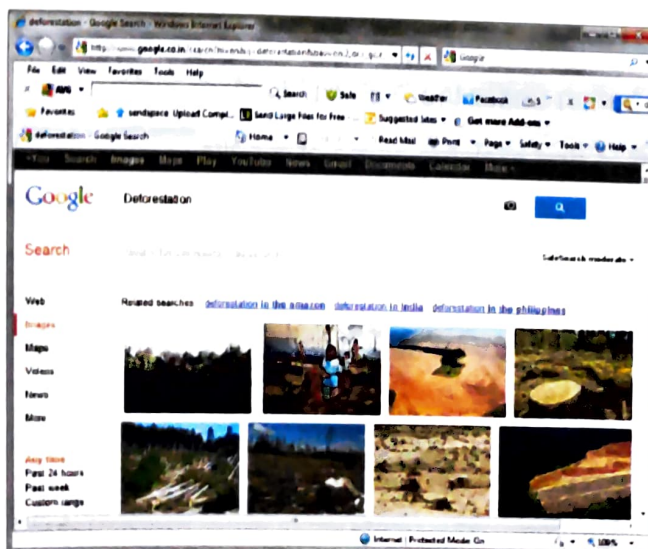
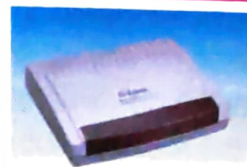


Fig. 12.1: Google Search Engine - www.google.co.in

Let's Know More



Modem is a device that connects to your computer with the telephone line. It changes the computer signals so that they can travel through telephone lines and vice versa.



Know the Fact



www.bing.com is the latest Search Engine from 'Microsoft'.

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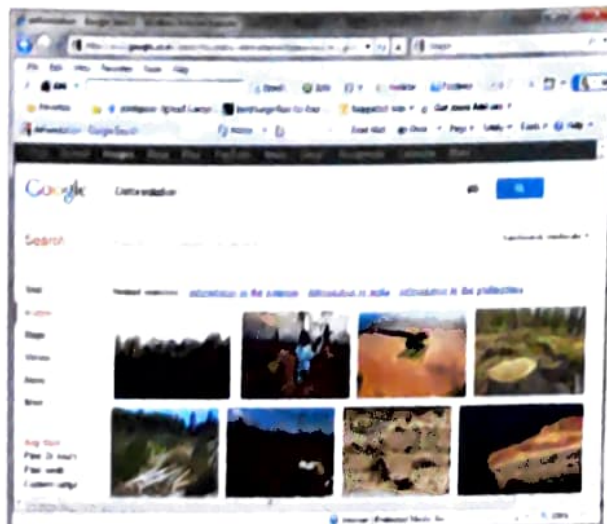


Fig. 12.1: Google Search Engine - www.google.co.in

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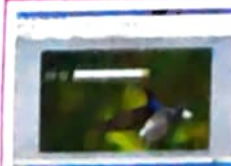
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E-MAIL

E-Mail stands for Electronic Mail. It is a facility on Internet to compose, store, send and receive messages to any part of the world. The convenience, simplicity and affordability of sending mails on Internet has totally changed the correspondence system.

E-mail is the fastest way of sending mails where the postal address details like Name, Address, City, State, Pin, Country etc. have been replaced by the e-mail address. The e-mail address is given in the format - **info@kips.in**. We can also attach photos, videos or other important data along with our message.

The popular sites, which provide the facility to send or receive mails are: **www.yahoo.co.in**, **www.gmail.com**, **www.rediffmail.com** etc.

USING E-MAIL

To use e-mail facility on the Internet, first we have to create our personal e-mail account. We have to select a username (e-mail address) and provide a secret code (password) along with our particulars like Name, Address, Date of Birth, Interest, Qualification etc. You have already learnt about all this in the previous class.

Some of the commonly used features are as follows:

COMPOSING AND SENDING MAIL

To write a mail to any one, we have to click on this option (or any other similar option). It will open a new window wherein we type the e-mail address of the receiver, subject of the mail and the text in the Body.

After composing an e-mail, click the **Send** button on the toolbar.



We can send the same mail to many persons by typing their e-mail addresses separated by commas.

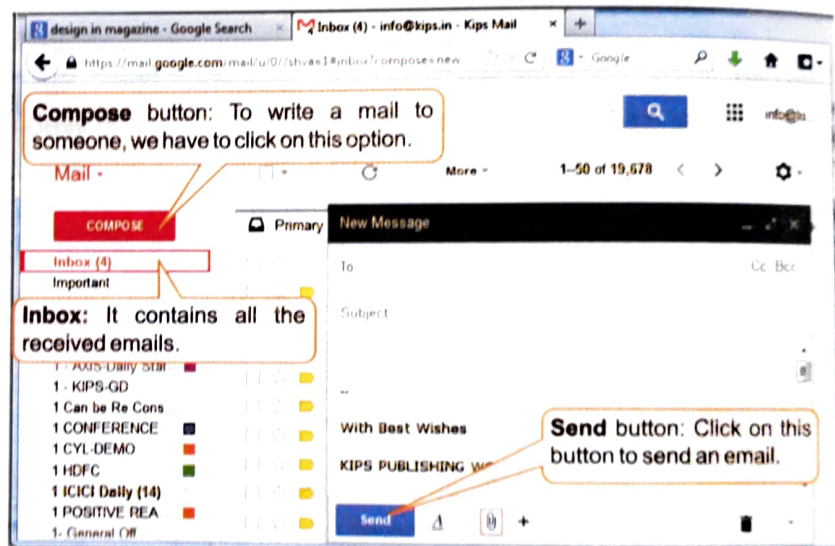


Fig. 12.2: Composing and Sending Email

E-mail provides the facility to attach files for high speed delivery anywhere in the world. Attaching a file to an e-mail is an easy way to send important documents or files which can be photographs, videos, music, letters, text etc. To attach a file to an e-mail, follow these steps:

- Click on **Attach a file** option under the 'Subject' field.
- Browse through your files and click the name of the file you would like to attach.
- Click on **Open**.

NOTE

Always remember, you cannot send executable files or messages larger than 25 MB.


REPLYING AND FORWARDING E-MAIL

The **Reply** option is displayed when we open any mail. It is used to reply a received e-mail. We can simply type in our reply and click on **Send** button.

The **Forward** option is used when we want to send the same or any received mail to number of persons at the same time.

ADDING A SIGNATURE TO A MAIL

A signature is a bit of personalize text (such as contact information or a favourite quote) that is automatically inserted at the bottom of every mail you send. To create a signature follow these steps:

- Click the **gear** icon  in the upper right, then select **Settings** option.
- Enter your new signature text in the box at the bottom of the page next to the **Signature** option.
- Click on **Save Changes** tab.

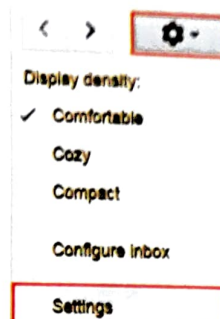


Fig. 12.3: Adding Signature

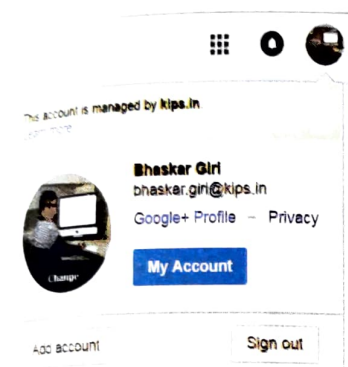


Fig. 12.4: Signing Out

LOGOUT / SIGNOUT

Click this button, once you have finished reading or sending the e-mails. This option brings you out from your e-mail account.



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- A Signature is a bit of personalize text that is automatically inserted at the bottom of every mail.

Let's Know More

When you visit any site, the first page that opens is called the **Home Page**.

Fact File



Niklas Zennstrom and his Danish partner **Janus Friis** are the founders of Skype.



Fact File



Jerry Yang and **David Filo** are the founders of **www.yahoo.com**. Yahoo is an American Computer service company, founded on March 2, 1995.