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KUMARAGURU COLLEGE OF TECHNOLOGY
Original certificate

S & H Department

Kumaraguru College of Technology

Chinnavedampatti (P.O)
Coimbatore

P-690

Project Work 1999

This is to Certify that this is the bonafide record of the project work done by

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Sasidharan. G
Senthilnathan. N
Prabhakar. M

of first year B.E during the academic year 1999.

Coimbatore
Date

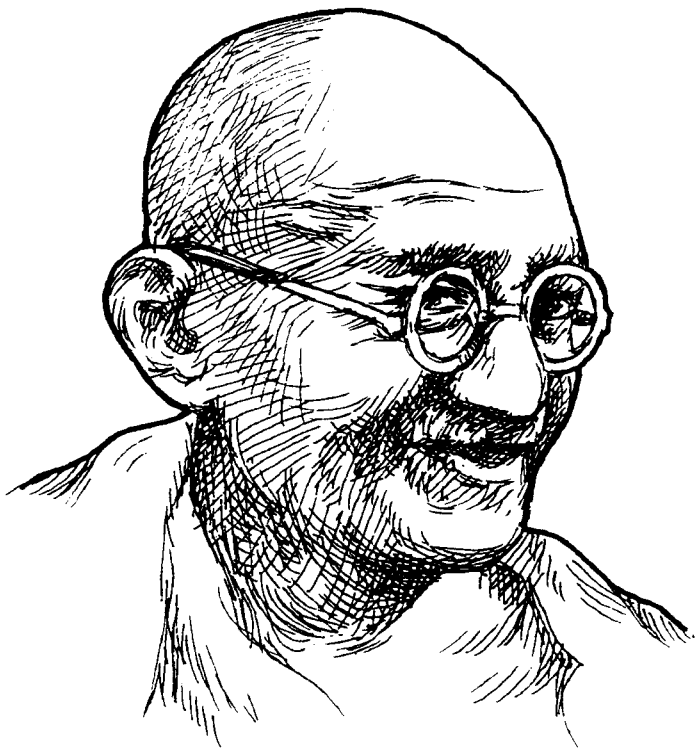
Staff in charge

Submitted for the University Examination held on .....

Internal Examiner

External Examiner

To



The Man Who Defined Dedication

&

All our well Wishers and Critics

PREFACE

The 13 authors of this project work. "The Internet- An express of Expressions with everlasting endurance" present this book for the general understanding of the talk of the town "Internet".

The book entitles many sub divisions which present the reader an overview of Internet in a simple, but standard manner. The book should be very apt to embody ideas and facts in the radiance of art and brilliant combination of unambiguity and excellence.

The hallmark consists more the authors sweat than letters.

The branches have borne the fruit. It's time for wanderers to taste this (amateurish) debut.

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Bonafide Sheet

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Preface

A Wor(l)d of Thanks

All about the authors

Synopsis

All about these networks.

The XYZ of Internet.

Internet - A Boon or Bane.

Exploring Some addresses

The End

ALL ABOUT THE AUTHORS

S.No.	Student/ Department	Roll No.	Attributes
1	Rathnavel Pon (Civil)	132	Orator, Creative writer
2	Karthik .R (Civil)	93	District Level Cricketer
3	Manoj .D (Civil)	133	Good Drummer
4	Venkatesh Rao. R (Mechanical)	130	Stage Artist
5	Gokul Ananth. A (Mechanical)	135	National Level Chess Player
6	Ravi Kumar.K (Civil)	117	Artist
7	Karthikeyan M.B (Comp. Science)	97	Good Artist, Vocalist
8	Sasidharan. G (Comp. Science)	143	An amateur historian
9	Perumal .M (Textile)	139	State level football player
10	Senthilnathan .M (Textile)	79	District level carrom player
11	Rajendra Kumar (Textile)	138	Poetry Writing
12	Prabhakar .M (Mechanical)	108	Creative Writer, Dancer,
13	Senthil Kumar. D (Comp. Science)	121	Creative Writer

Visit us at :

http/:freemembers.com

http/:theinternetaeoewee/hcd/.com

A Wor(l)d of Thanks

The authors of the project " ***The Internet***" are highly indebted to lots of personalities who helped in presenting this book in a youthful and truthful manner. They excelled in the evolution of this "***Express of Expressions with Everlasting Endurance***".

At the acme, we would like to thank our Principal ***Prof. K.K.Padmanabhan***, our H.O.D. of S & H Department, ***Dr. R.P. Thangaraj*** & Our Class advisor ***Prof. L. Balakrishnan*** for their inspiration which is profound in this book.

We are wordless to thank the services done by our mentor & guide ***Mr. K. Devadass,*** for without him the book wouldn't have attained such a height. We are also thankful to ***Mr. Jiju Verghese Jacob*** for helping us learn the ropes of project work.

We appreciate the novel ideas provided by the ***Gandhian Youth Brigade*** for the betterment of the book.

We are ever thankful to ***Dr. G.R. Sundaravadivu Ph.D (Sociology), Dr. S. Anuradha Ph.D. (Zoology)*** for minimising (nullifying!) the errors in the book.

We also take this opportunity to thank our ***friends***, Selvan A. Ganesh Kumar, Selvan C. Bharathi Raja, Selvan S. Raja Guru, Selvan. V.P.D. Harisudhakar, Selvi. S. Nithya & Selvi R. Ashwinya in special, and ***all the staffs and students of S & H department*** for helping the book in various courses.

As ever, we thank ***our family members*** for providing financial and mental support to one and all of us.

The authors

"I have nothing new to teach the world.
Truth & Non-Violence are old as hills"

Synopsis

SYNOPSIS

The Internet

- An Express of expressions with over lasting endurance

is a project work of 13 budding engineers which discusses the fundamental concepts of every aspect of Internet in a clear cut manner.

Chapter I

All about these networks.

" The nucleus of Internet is obviously the concept of computer networking."

(This chapter deals with the concepts of computer networking, whose subsequent study will ultimately lead to the world of Internet).

Chapter II

The XYZ's of Internet.

" The Internet, of course leads the human's march to the 20th century".

(This chapter attempts to clear the doubts regarding the subject for all who peruse it. It also provides guide lines to Internet users).

Chapter III

Internet - A Boon or Bane

" It is convincing that Internet which is a boon, is also a bane".

(The Chapter discusses the obverse and reverse of the Internet & more interestingly attempts to find a solution to the healed argument).

Chapter IV

Exploring some addresses.

"Chewing gum was one of the ration products, provided to the soldiers during world war II".

(Lots of interesting information obtained through Internet browsing are presented).

"I have nothing new to teach the world.
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ALL ABOUT THESE NETWORKS

Introduction

"No man is an Island" May be or not. It's human problem. But human's secedor computers face a similar situation. they are connected for inter(net) working. The connectivity adds more beauty to Computers. Here one can't help citing Sir Vishwesharrayah **Father of Engineers** who quoted. "Though there are lot of beautiful roads, National highways and more beautiful, because they connect".

The concept of computer networking is the atmosphere at present and needs no induction in the society. The **Nucleus of Internet** is obviously computer networking. So before entering the world of Internet, one has to cover the passage of computer networking.

Objectives and Characteristics of Networking

The main **objectives** of any networking, as concerned is

i.. To spend less money on printers, plotters and other output devices.

ii. To enable every one access to the identical, update information.

The basic **needs** of network are

I. Simplicity

ii. Functionality

iii. Flexibility

iv. Affordability

Theme of Networking

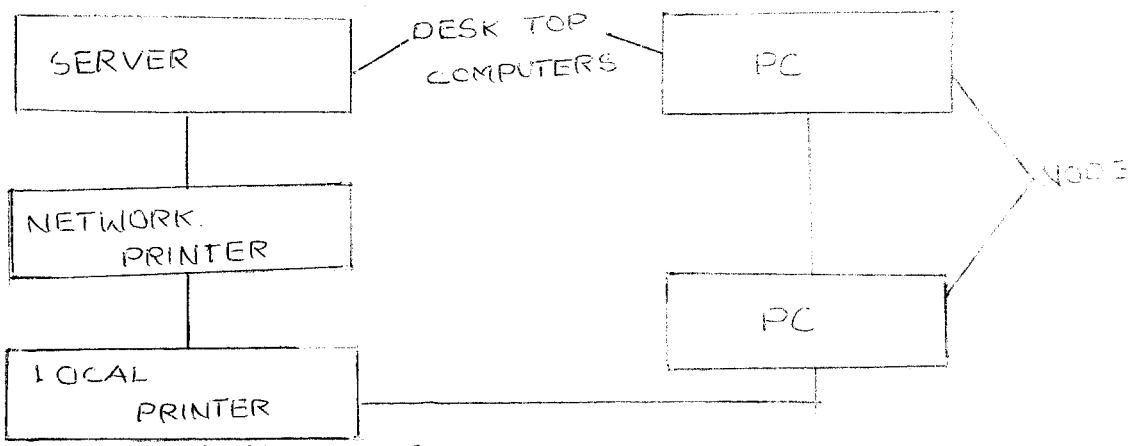
The underlying theme of all networks is connectivity and hence communication. By connecting a couple of computers together, the resources available on each computer can be shared with the other. hence less expenditure is made over the system..

The basic principles of networking

When a computer is connected to another computer, both these computers are a part of network. The connected computer may be any distance, small or large.

When a computer is connected to a network, it bewares workstation (or) client (or) node. When a computer is used only to provide resources, it's called a server (or) host.

The basic layout of a computer network is given below.



Steps involved in a network

The **three steps involved** in a network are

1. Planning
2. Installation
3. Maintenance

Planning a Network

Any decision simple or complicated requires a hard look for and against the results.

Installing a network can increase the usefulness of computers. But they also introduce some potential problems.

Advantages of Networked computers :

- Sharing resource, Internet, email, Universal Communication, less printers.

Disadvantages of networked Computers

- Additional expenses, increased complexity, extra time for supervision.

Thus a network's pro's & con's should be considered and thereby networking should be planned. The most noticeable problems come from lack of planning.

Network Installation

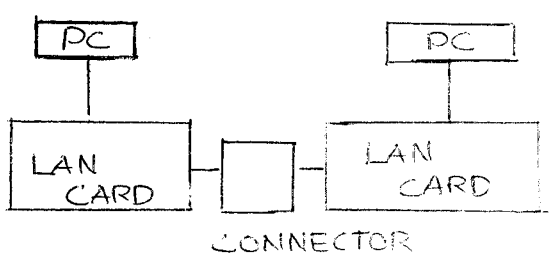
Once you have completed the first draft of network plan, you need to know how to install the physical parts of network. These parts include the cards, cables & connectors.

Cables : They may be normal telephone wires. The cable can be runover sent through walls etc. Connecting them requires a lot of patience. There are many types of cables, out of which thin co-axial cable is prevalent.

Connectors: The end of each cable is some type of connector that must be attached to the Lan card. The standard connector for thin coaxial cable is the BNC connector.

Lan Card or PC add-on LAN Card : The Lan Card when installed in an available PC Card slot connects the PC to Lan. A Lan card can be referred to by various names such as LAN adapter card, network interface card, network board or network interface unit.

A LAN is physically created by installing network cards in PC, then connecting them with cables, as shown.



Maintenance of Network

The hard part of network is not just the installation, but the maintenance. The common maintenance tips are:

i. Upto date map of all available resources is to be maintained.

ii. House keeping is essential for the efficient use of the server hard disk.

iii. You may need a UPS, if your area has problems receiving steady power.

iv. Keep several backups.

The Major types of network

Out of many types of network, LAN (local Area Network), WAN, (Wide Area Network), Internet are the most common.

Connecting systems in a office or a building creates a LAN. The server is close and connection to workstation is made directly to server.

When data signals extend beyond a LAN, the system has grown to WAN. WAN's require a multi disciplinary team of expert users to install and manage.

Internet is the network of networks and elaborate discussion about chapter is done in the following chapters.

On many computer networks, the choice of computer and server can be changed accordingly.

"I have nothing new to teach the world.
Truth & Non-Violence are old as hills"

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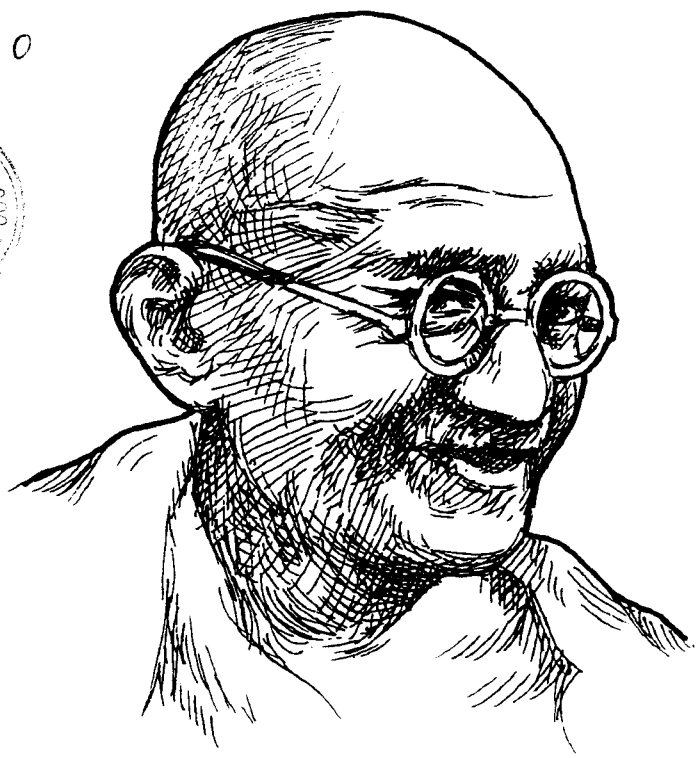

THE XYZ OF INTERNET

Introduction

Internet is a network of networks that can allow your computer to exchange, data, messages and files with any of other computers with an Internet connection. Since there are servers all over the world that contain text, pictures, sounds, moving images, and discussions of very imaginable topic, you can use the Internet to import a huge amount and variety of information for business entertainment and education.

To a society Internet is nothing new, its inborn with them. The Internet of course leads the humans march to the 21st century.

Technical Terms

FTP (File Transfer Protocol) - File Transfer Protocol is an Internet tool for uploading and downloading files between computers. File Transfer must take place between client and awareness.

E-mail - Electronic mail is the process of sending and receiving messages and files between individual addresses. E-mail is not a substitute for either telephone calls or postal mails.

Gopher - The Internet Gopher was the large scale attempt to organise the Internet's resources into logical menu.

WWW - The Internet was once command line oriented and difficult to use. Today WWW (World Wide Web). It has become a virtually synonymous with Internet. The ability to graphically access Internet resources. This wen is primary reason for the growth of Internet. Its graphical representation allows to integrate text with multimedia.

Telnet - This is a way to access information from servers and to actually logon to a remote computer and use it. When you connect your computer, it acts as if your keyboard is attached to a remote computer. This means that you can run programs at the other side of the world.

HTTP : The rules that define WWW are called Hyper Text Transfer Protocol. it was originally designed at the European Particle Physics Lab laboratory in Geneva as a way to move technical information across Internet.

Server Type :

The type of portion of the address shows the type of server that contain the file. The most common type ate

Web pages	http ://
FTP Servers	File// or ftp://
Gopher	gopher://
Telnet	telnet//

Arpanet - The legendary predecessor to Internet.

Right hand corner rotation - After dialling to VSNL, if there is rotation in the right hand corner of the computer, that signifies that you have entered into the Internet

Getting an Internet Connection:

The procedures to be followed to obtain an Internet connection are

1. There should be a digital telephone connection.
2. A PC with an internal or external modem
3. Buy an Internet connection from an Internet service provider.

In & and Out of Internet

After you have subscribed to an Internet connection, by communicating with VSNL (Videsh Sanchar Nigam Limited). The VSN will allocate a space for you to communicate with the VSNL's server , so that you get connected in to the WWW.

Then you have to dial the number provided by the VSNL itself. After the you your line the will be a dialogue box where you have to type which type of connection you want. Then you have to type your password. Then see it the top right hand corner of the browser which you are browsing and if it rotates, it confirms that you are connected in to the Internet.

Right Click the lower right hand corner and you will get a menu box where you click disconnected item. That all you will be disconnected from the Internet.

"I have nothing new to teach the world.
Truth & Non-Violence are old as hills"

Internet - A Boon or Bane

INTERNET - A BOON OR BANE

{ The heated argument at present is about the pros & cons of Internet. Though there are umpteen who love Internet, this Internet is not free from apposition too. The toughest part of course, the judgement is presented in an apt manner?!}.

Internet - A Boon, nothing else

Supported by *A. Gokul Ananth,*
M. Senthil Kumar
K. Ravi Kumar
D. Manoj
G. Sasidharan,
M. Perumal
M. Prabhakar and
A. Rajendra Kumar

According to us, the latest unsolved mystery is the thoughts of those who term "Internet - a bane". Internet has left no field underdeveloped by its application. It has been a boon for the world.

Let's take the educational front. Internet has effectively replaced the distance education system. The only drawback of education was its cost. The Internet has reduced, a considerable cost of it. Important information's about various institutions can be obtained very easily. Therefore the Internet has given education more exposure. Educational results are brought about earlier and in a more-effective manner by Internet. This helps many student to plan their future little well ahead.

The ultimate goal of education is knowledge. We strongly stress that Internet has served as the ultimate knowledge book. It gives in a nutshell, what thousands of book tend to do. By just exercising your fingers a little, knowledge more than mind can bear is obtained. This is nothing novel, but a world known truth.

The primary reason of human birth is to obtain happiness through communication. Human life without communication is like paper without pen and like a building without foundation. The former being useless and the latter being unstable. It is inevitable that

Internet has accounted for a meteoric rise in the fields of communication. The communication which was little confined on the rule of telephone, T.V., etc. has crossed boundaries when Internet took over. Thus human to human relationship have increased to a great extent, thanks to the Internet.

The Internet which has cut down a lot of struggling Sapiens' worries by reducing, (why say nullising) his / her expenditure on Televisions, Stationaries, etc., It's reports on direct accessories like Willis International Cup, Kenneth Starr report etc. stand miles ahead when compared to the information's brought about by the newspapers, televisions etc. It adds to human's entertainment too.

Thus we present the fact that Internet is an effective leader which leads the world to the next century and the chance of it being disadvantageous to the society is a bolt out of the clear sky.

Internet - A Bane - What Else ?

Supported by *R. Venkateshwar Rao*
M.B. Karthikeyan,
R. Karthik,
D. Senthil Kumar.

We are in a great shock as we find out engineering friends completely illiterate on the demerits of Internet. Even their points of support bear their own slumber.

The Modern Aristotle's have expressed terrible worries on the overgrowth of science. The lizard of science has grown into a dinosaur, courtesy the lazy working and hard thinking human. Today's human is entangled with infinite problems, due to his unconventional approach. By subscribing to Internet, we only multiply our problems since it is not the least conventional.

Many old people's joys reach the maximum when they ponder the points of news paper with their morning beverage. For the young people, joys reach the maximum when they watch interesting tussles in television. Replacing these two by the Internet would, deprive many people of their happiness.

In the so-called knowledge, bank, some vulgar, unwanted knowledge helps to spoil the youth. We've knew "A little knowledge is a dangerous thing". But thanks to the Internet, we've got a new quote "The whole knowledge is also dangerous thing".

This Internet is a bane to human society. We can very well do without Internet.

Judgement:

Rathnavel. Pon

It was convincing that Internet, which is a boon is also a bane. But that's natural, isn't it? Whatever is good in this material world has always a few of bad in association. But whether Internet is a boon or bane is highly influenced by it's on lookers. Since it is a media, it's usage wholly depends on the audience. So it is upto him to differentiate the talc's of rose form it's thorns. So let's naive ourself upon the pro's of Internet and lets neglect the cons.

"I have nothing new to teach the world.
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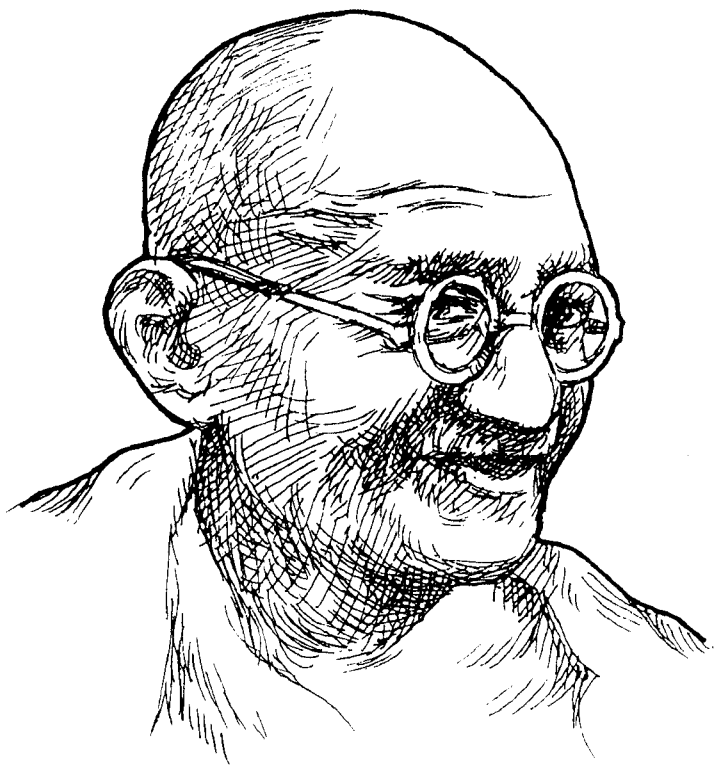

Exploring some Addresses

EXPLORING SOME ADDRESSES

(We decided that to present this subject practically, this part should be added. Henceforth we sum and substance some interesting information displayed by various addresses).

1. http://ccat.sas/upenn.edu/plc/tamilweb

This is an interesting web site that puts all tamillians into a shame. How many of us have heard of Pennsylvania University, U.S.A?. Hopefully very less!. It is a reputed American University that teaches Tamil through Internet. It is worry that this thing wasn't done by tamilians or Dravidians, who boost of tamil wealth.

It gives information about all the tamil letters, basic information about all tamil fundamentals etc. Above all these, the spoken tamil courses of Dr. Herald Shipman and the Word - Exercising classes by Prof. Norman Gutler attract the subscribes. This address also gives some information about the candid complexes in our language like Negative probability, Emphatic Reduplication.

2. www. pick pocket.com

It gives a lot of informations about an equal lot of pickpockets. (A mystery how policemen miss it!).

The hallmark has an interesting personality, by the name, jean Turner. His list of pick pocketing records is astonishing. He has snatched 2 lakhs of articles illegally.

But this credential talent has been rightly used in foreign nation. This Jean Turner has turned out to be one of the greatest party entertainers. Here he switches articles and returns them and doesn't snatch them as usual. He is also well paid for the job, by the party host.

This impeccable pickpocket has also created a book and a video film entitled "How to outsmart pickpockets". His idea to tie rubber band over ones wallet to be safe from pickpockets is quite fruitful and practical.

3. www. home.earthlink.net/ndcrohr/

When in today's world, typewriters are forgotten (Courtesy-Computer technologies) This gives an effective and on the way an emphatic account of typewrites. This is the information page of typewriters.

Some highlights of this page are given as

1. It has been 122 years since QWERTY .... order has been developed.
2. The first commercial typewriter was manufactured by Remington Company under the name of Shoal's & Gilton's.
3. It took 600 days to sell the First 20 computers.
4. The first primitive typewriter was like an embroidery machine with its base being locomotive
5. The first ever typewriter is being safeguarded at Smith Sanes museum in America.
6. Mark Twain was the first person to type an article to a magazine.

4. www. chicle.com

The Internet has dedicated a page to felicitate chewing gum and gum chewers. It was in 1900 that the first chewing gum chiclet (named so after obtaining the fluid from the tree chicle) was discovered and rapidly commercialised by two American friends. In between they conducted a lot of experiments to confirm its non-toxicity. The chicle tree found adequately in Guatemala and Mexico thereafter were given a lot of vitality. Even in World War II, chewing gem was one of the ration products supplied to American soldiers.

5. www. disasterium.com

A human usually doesn't forget his/her happenings. By manipulating an address that gives list by list, all his known disastrous happenings, this homo-sapien. Once again proves to be epitome in negative remebrance.

Datewise details of disasters are very well provided and there are special variety in disasters also. You can get yourself informed on floods, earthquakes etc. Its gateway to sorrow, in short. Long live human's lateral thinking!

www. jokes.com

The Internet has abundant jokes to make even the most grim faced face brim with happiness.

Once a family went to a picnic. As he had planned earlier, the son in law pushed his torturous mother in law into the river. The park guarded came and scolded the man severely, not for committing the crime of killing but for punishing the crocodiles in the river.

The Almighty commanded the Russian president & Bill gates to meet him personally. After the meeting Russian President came & said " There are 2 bad things. The first is that god exists and the second is the world is going to end. Bill Gates came out cheerfully and said "There are 2 good things, First is he Lord recognises me, and the second is we don't have to find the solution for Y2K problem" The message God had confined on them was the world was going to end before 2000.