# History of Internet

#### The history of the Internet has its origin in the efforts to interconnected computer networks that a

#### rose from research and development in the United States and involved international collaboration, particularly with researchers in the United Kingdom and France.

#### [Computer science](https://en.wikipedia.org/wiki/Computer_science) was an emerging discipline in the late 1950s that began to consider time-sharing between computer users and, later, the possibility of achieving this over Wide Area Networks Independently, [Paul Baran](https://en.wikipedia.org/wiki/Paul_Baran) proposed a distributed network based on data in message blocks in the early 1960s and Donald Davis conceived of packet switching in 1965 at the National Physics Library (NPL) in the UK, which became a taste bed for research for two decade The United State Department of Defense awarded contracts in 1969 for the development of the ARPANET project, directed by Robert Taylor and managed by Lawrence Roberts . ARPANET adopted the packet switching technology proposed by Davies and Baran, underpinned by mathematical work in the early 1970s by Leonard Kleinrock. The network was built by Bolt, Berank, and Newman.

#### Early packet switching networks such as the NPL Network, ARPANET, Merit-Network, and CYCLADES in the early 1970s researched and provided Data Networking. The ARPANET project and international working groups led to the development of protocols for networking, in which multiple separate networks could be joined into a network of networks, which produced various standards.  Vint Cerf , at Stanford, and Bob Kahn, at ARPA, published research in 1973 that University evolved into the Transmission Control Protocol (TCP) and Internet Protocol (IP), the two protocols of the Internet Protocol Suit. The design included concepts from the French CYCLADES project directed by Louis Pouzin.

#### In the early 1980s the NSF funded national supercomputing centers at several universities in the United States and provided interconnectivity in 1986 with the NSFNET project, which created network access to these supercomputer sites for research and academic organizations in the United States. International connections to NSFNET, the emergence of architecture such as the Domain Name System, and the adoption of TCP/IP internationally marked the beginnings of the internet. Commercial Internet service provider (ISPs) began to emerge in the very late 1980s. The ARPANET was decommissioned in 1990. Limited private connections to parts of the Internet by officially commercial entities emerged in several American cities by late 1989 and 1990.[[9]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-9) The NSFNET was decommissioned in 1995, removing the last restrictions on the use of the Internet to carry commercial traffic. Research at Robert Taylor by British computer scientist Tim Berners-Lee in 1989-90 resulted in the World Wide Web, linking hypertext documents into an information system, accessible from any node on the network.

#### Since the mid-1990s, the Internet has had a revolutionary impact on culture, commerce, and technology, including the rise of near-instant communication by Electronic Mail, instant messaging, Voice over internet protocol (VoIP) telephone calls, two-way interactive video, and calls the World Wide Web with its discussion forums, blogs, social networking, and online shopping sites. Increasing amounts of data are transmitted at higher and higher speeds fiber optic operating at 1, 10 Gbit/s, or more. The Internet's takeover of the global communication landscape was rapid in historical terms: it only communicated 1% of the information flowing through two-way telecommunications networks in the year 1993, 51% by 2000, and more than 97% of the telecommunicated information by 2007.[[11]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-HilbertLopez2011-11) Today, the Internet continues to grow, driven by ever greater amounts of online information, commerce, entertainment, ands social networking.

# Observation of websites

## Google

### Jan 01, 2008

#### The back ground color is white.it contains a rectangular searching box and it also shows the advanced search box next to the searching box with some preference and language tools.it also contains the two linked button that shows the feeling and Google search under the searching box. At the top of the search box it contains the logo of the websites in texts and this text surrounded by some small triangles that is drawn in different colors.

### Jan 01, 2009

#### There is no much difference as compared to the previous version. The only difference is the logo above the search box is changed. The logo is text that says Google and surrounded by animals like giraffe and different plants.

### Jan 01, 2010

#### The back ground color is similar to the previous versions. This is also similar to the previous version but there is some change like there is no preference link and the logo above the search box is text that is surrounded by beautiful flowers to show the wishes for the New Year. And it also contains the watch that is drowning on the top of the tower.

### Jan 01, 2011

#### There is change in logo that says GMMXLE the other thing is similar to the previous version.

### Jab 01, 2012

#### There is some change as compared to the previous one. The one thing is there is some label text with associated link that transfers the benefits of using Google. There is also a change in logo from the previous version. The text Google is the currently used logo for the website.

### Jan 01, 2013

The only difference is the logo as compared to the previous version.in this version the logo is surrounded by different things like the person that uses computer, a thing that seems like cake, a robot that cleans a house etc.

### Jan 01, 2014

The only difference is the logo. In this version the logo is the text Google and the moving numbers. there is a thing that seems like a traffic light. The numbers movement is controlled by the things that is similar to the traffic lights

### Jan 01, 2015

The logo is an animated text that says Google and the numbers which is surrounded by many torch’s that draws a flower. The other things are similar to the previous versions.

### Jan 01, 2016

The logo is graphically designed animated images that seem like a bird .the other things are similar to the previous one.

### Jan 01, 2017

There is one change from the previous version. There is change in logo in this version the logo is an animated things that is drop down from the top side to the bottoms. The other is the same as the previous one.

### Jan 01, 2018

There is a change in logo the logo is text with missing one o from the text Google and there is two graphically designed child that see the missing letter from the text Google. The other thing is similar to the previous version.

## YouTube

### Jan 01, 2009

It contains rectangular search box at the top side of the websites. The navigation bars is on the top of the websites. The video is shown in two positions as promoted videos and featured videos. At the top of the navigation bars it also shows the sign in and sign up options.

### Jan 01, 2010

The search box is at the top of the navigation bars and it shows the video in different groups for instance recommended for you, videos being watched now, featured videos and most popular.

### Jan 02, 2011

There is new thing in this version .The one is that the navigation bars is removed from the top side. It also show videos in spotlight videos and recommended for you groups .The spot light videos are on the rights of the recommended videos. The other things are similar to the previous one.

### Jan 02, 2012

#### The search box is changed. On the previous versions the searching icon is text but for these versions the searching icon is similar to the mirror or spoon like searching icons. There is also a side bar that shows the choice just like music, game, trending, popular, comedy, news etc.

### Jan 02, 2013

In this version the videos is seen when there is an updated adobe flash players. It also shows popular on YouTube on the side bar and it also shows all types of videos on the body off the website. The other thing is almost similar to the previous versions.

### Jan 02 2014

This version is almost similar to the previous versions

### Jan 02, 2015

This is also similar to the previous versions but there is some difference on the side bar. The side bar contains some features relative to the previous versions.

### Jan 02, 2016

There is no search bars in the top of the pages. This is almost similar to the previous one it shows the video in two options that is in home and in trending options.

### Jan 02, 2017.

This is almost similar to the previous one .but there is small change in this version. It shows the video in tree options that is in home, trending and history options.

### Jan 02, 2018

This is almost similar to the previous one .but there is small change in this version. It shows the video in tree options that is in home, trending and history options. And in addition to this there is small change they introduce get YouTube TV in the side bars.

### Jan 02, 2019

This version is most likely the previous versions. But this versions is the most organized versions than the previous versions.

## Telegram

### Dec 02, 2013

## There is a navigation bars that is half number of the navigation bars is on the left top and half number on the right top of the web sites.

#### There is also a telegram app files for the two most known operating systems i.e. telegram for android and telegram for iPhone. There is also some description about the benefits of telegram on the bottom side off the websites.

### Dec 02, 2014

There is a change on the navigation bars and the other sides. The navigation bars coms to the left top side. The telegram application file is placed in three formats for android, for ios and for WP with the graphical descriptions so the is a change in the body of the websites

### Dec 04, 2015

In this time there is some change in the body off the website. They adds a telegram app file for personal computers that supports different operating systems for different platforms like mac, Linux, window . There is also some change on the top side o the websites. In additions to the benefits of using telegrams they display what can we do on telegrams with graphical support.

### Dec 04 2016 until now

This version is almost similar but there is some new things it adds window based a telegram app file for personal computers in addition to different operating systems like mac, Linux, window.

## Edx

### Mar 30, 2007

There is only a link on the sites and search box at the bottom side. There is a some related furniture links associated with this sites.

### Jul 02, 2011

There is navigation bars and there is a change in body it shows the courses, news and announcement news in links the body of the website and the back ground image is also changed. And there is a log in button at the right of the websites.

### Dec 31, 2012

The navigation bars is on the top right corners of the websites. The background image is very interesting as compared to the previous one. It also shows all the courses given by the sites at the body of the websites with some graphical support

### Jan 01, 2014

There is navigation bars and there is a change in body it shows the courses and announcement news in links the body of the website and the back ground image is also changed.

### Jan 01, 2015

There is some new thing in this time one is there is searching bar with register and sign in options. The colors is good and beautiful for observers It has navigation bars with that explains about how it works and all courses that is given by this websites

### Jan 01, 2016

There is a change in the navigation bar from the former versions. What makes it different is it contains a drop down or some list navigation bars. It also shows the thing that is supported by edx with the popular courses started soon with graphical design. The other new thing is it contains to registration option one is on the top and the other is on the bottom side of the home page

### Jan 02, 2017

There can be seen only the edx logo and search box with the registor and sign in option with some drop down navigation bars in the top side of the sites. And it shows all the courses with the beautiful graphics and text design At the bottom off the sites it also show the benefits that is gaind by learning in the edx like certificates and other services with fees or without fees(freely)

### Dec 30, 2018

There is some new thing happen one of the most obvious thing is we can not see navigation bars on the top side off the websites.it only show the courses with text only no graphical support

### Jan 01, 2020

There can be seen only the edx logo and search box with the register and sign in option with some drop down navigation bars in the top side of the sites

It also contains some new features like language selection and show the popular subjects with only text.

It also contains to search bars the first is on the navigation bar and the second is on the body part off the websites

## Facebook

### Jan 01, 2009

#### It displays a message as it free for all users. It also displays a message about the uses of Facebook. There is log in option at the top of the website and they show a good feature for the beginners. Because the create option put at the front for the website that can be accessed without any ambiguity.

### Jan 01, 2010

#### There is some change in these versions of the websites. The first thing is in the log in input form there is a place holder for the email that says email. For the new creator there is two input forms for the first name and last name of the users. The other things are similar to the previous versions.

### Fab 01, 2011

#### The one that is new for these versions is to create a Facebook we must re-enter the emails but for the previous versions we re-enter the password. The place holder that says email s also removed.

### Feb 01, 2012

This is no change it is similar to the previous versions of the website.

### Feb 01, 2013

The back ground is changed to transparent images. The other thing is similar to the previous one.

### Feb 01, 2014

The back ground is changed to white color back ground. Some icons is added to the left side of the web sites. There is also some new things the first name and last name input forms is located horizontally next to each other’s.

### Feb 01, 2015

There is no change as compared to the previous versions.it is almost similar to the previous one.

### Feb 02, 2016

There is almost similar to the previous versions

### Feb 02 ,2017

This is almost similar to the previous version but there is slight difference on the placeholder orders that is written in the input forms.

### Feb 01, 2018

There is a change on the bottom of the websites. It lists some types of languages at the bottom of the websites and there is no input forms for the re-entered email or phone numbers.

### Feb 01, 2019

There is a change on the bottom of the websites. It lists the most types of languages at the bottom of the websites. The other things are similar to the previous versions. This versions is the best than the others. The one thing that makes it best is it supports many languages.