



ADDIS ABABA UNIVERSITY

ADDIS ABABA INSTITUTE OF TECHNOLOGY

CENTER OF INFORMATION TECHNOLOGY AND SCIENTIFIC
COMPUTING

Internet

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History of internet

What is the Internet?

Internet is a communication between computer networks that lets data to be transfer from one location to another.

The Internet wasn't invented, but it was created using of different types of computer communication technology . Several internets started to connect up at different time, making the today's internet.

ARPANET and TCP/IP

In the 1970s ,The need for speed and efficiency let to scientists to start making ARPANET,it was a system ofwas created by the US Department of Defence for government research. In the beginng data transfer demonstrating in four connected network. It was the first Internet in the world.

In 1982 the first versions of the Transmission Control Protocol (TCP) and Internet Protocol (IP). TCP/IP became the universal language of the Internet.this was invented by the Defence Advanced Research Projects Agency (DARPA) and Bob Kahn's research team.

World Wide Web and email

Email was invented in 1971 by Ray Tomlinson as they used it by communicating over ARPANET. Early 1990s that email began to be used by many people, British computer scientist Tim Berners-Lee was the creator of another vitally important invention – the World Wide Web. Berners-Lee invented the first web browser, server, and website.

in 1995, Internet access started to be sold to consumers.

Broadband and Wi-Fi

Broadband started to replace dial-up in the early 2000s, . Broadband lets a higher amount of data to be transferred at faster speeds by using an ADSL (Asymmetric Digital Subscriber Line) .

The release of the Apple Airport, lets Wireless Internet started rolling out commercially to the public in 1999 These devices quickly became used by many people.

Wireless Internet hotspots were soon released to at many businesses,. Wireless Internet hotspots offer the public access to the Internet, often for free, and operate using a wireless local area network (WLAN) connected to a router.

Cable broadband

It was introduced after ADSL broadband, it offers high Internet speeds by operating over cable television wires, rather than a phone line. . While ADSL connections are widely accessible, cable broadband isn't as common, and is available to around half of the UK.

The invention of 2G, 3G, and 4G

Speeds were improved with 2G, which can reach speeds of up to 56Kbps. 3G of mobile Internet can reach speeds of up to 200Kbps, changing the way world used smartphones . 4G was released in 2010, advancing mobile Internet speeds even further to a 15Mbps.

Fibre optic broadband

Fibre optic broadband delivers advanced speeds because it uses fibre optic cables, instead of copper wire. Fibre optic cables are made from thin strands of glass that allow laser light to travel down them at literally the speed of light it changed the speed that data can be sent and received.

G. fast Internet

It is capable of speeds over 300Mbps it is faster than broadband internet.

It used copper wires, and advancing speeds . it has been introduced in many places . G. fast Internet expected to be available by 2021.

5 popular websites and observation and assessment about them

<https://www.foxnews.com/>

Good navigation. pages are easy to get. They are too easy to find with a good map, the web content is easy to find with good navigation.

A clear identity. It has visible identity. And it has brief and concise text.

Good content. it has accurate content. It uses perfect grammar ,it spell words correctly.

<https://www.buzzfeed.com/>

It has **Well-constructed pages.** This website is easy to use, it has easy navigation, proper utilization of links and callouts and information displayed .

This site has good speed. Speed users needs less time to wait for a page to load.

<https://www.spiegel.de/>

It has **Simple and Professional Design** The website simply attracts user's eyes. They used good colors and the texts are easily readable.

www.well.com

It has good **User Friendly Navigation** A good site navigation helps user find the relevant content out of the website.

http://www.nytimes.com/

It has Original and fresh Content The and updated content the website makes, the site good its usability.

5 website each on the 12 categories

1. Blog website

<https://wordpress.org/>

<https://www.wix.com/>

<http://medium.com/>

2. Business website

<https://www.bloomberg.com/>

<https://www.forbes.com/>

<http://www.money.cnn.com/>

<https://www.marketwatch.com/>

<https://www.bloomberg.com/businessweek>

3. Brochure website

<http://www.finelandturf.co.uk/>

<http://www.scarboroughplaygrounds.co.uk/>

<http://www.eightlegged.com/>

4. Crowdfunding website

<https://www.kickstarter.com/>

<https://www.indiegogo.com/>

<https://www.patreon.com/>

5.Ecommerce website

<https://www.newchapter.com/>

<https://www.blissworld.com/>

<https://bonbonbon.com/>

<https://www.crossrope.com/>

<https://www.themountain.com/>

6.Educational website

<https://www.edx.org/>

<https://academicearth.org/>

<https://archive.org/>

7.Media website

<https://ew.com/>

<https://www.hollywoodreporter.com/>

<https://www.mediaite.com/>

8.Nonprofit website

<https://acumen.org/>

<https://www.adoptalovestory.com/>

<https://www.charitywater.org/>

<https://globalgenes.org/>

<https://invisiblechildren.com/>

9.Personal website

<https://www.niashanks.com/>

<https://startwithwhy.com/>

<http://ellensriley.com/>

<http://ellensriley.com/>

<https://www.joshuamccartney.com/>

10.Portal website

<https://www.santanderbank.com/us/>

<https://www.copperpoint.com/>

<http://www.allianz.com/>

11.Portofolio website

<https://www.mdzdesign.com/>

<https://www.pixpa.com/>

<https://www.fakehoneypictures.com/>

12.Entertainment website

<https://entertainment.allmyfaves.com/>

<https://perezhilton.com/>

<https://www.hulu.com/>

Guidelines for evaluating the value of a Web site and evaluation 2-5 websites based on the guideline.

Navigation

The navigation system should be too broad. There should be clear and brief way to move between pages. . Navigation choices has to be ordered in logical way. All the site design has to be simple, . The common part of the site are available in every page and there are no dead ends. Navigation tabs has to locate at the top of the page and look like clickable.

search usability

when the user access the search usability it shows the user what he wants. The outcome of Search is too brief and important . The search results page makes it clear . The search engine handles empty queries gracefully. The most common queries produce useful results. The search usability should includes templates, examples and etc.

home page

The home page should be designed professionally .it should shows common options. The design of it should encourage users to look the website. Simply users can understand where to begin. The title of the it shall provide better look . Options are provided and visible on the it. important content is presented .it shows good site content. It should use useful graphics,.

page layout and visual design

The site should look like is appropriate for the specific users. The site design leads the users to focus on what to do next .The site has to be used without scrolling horizontally. Things shall be clickable are easily pressable. The functionality of controls is brief from their design. images which are clickable should include same text labels.

<https://www.amazon.com/>

It has good search usability.as I mentioned . The outcome of Search is too brief and important .

It has good page layout and visual design The site design leads the users to focus on what to do next

<https://www.foodnetwork.com/>

It has good search usability . . The search results are clear.

This website has good navigation system . it is clear and brief way to move between pages.

