## **Introduction**

The Internet is the worldwide "network of networks" that links millions of computers together via copper wires, fiber-optic cables, wireless connections, and other telecommunications channels. This publicly accessible network of interconnected computer networks communicate using a set of protocols and standards, the most basic of which are TCP/IP. The Internet has revolutionized the computer and communications world like nothing before. The invention of the telegraph, telephone, radio, and computer set the stage for this unprecedented integration of capabilities. Internet usage has exploded since 1995, based on researcher’s estimation Internet having 1 billion to 1.5 billion users in 2000 and over 3.4 billion in 2016. The most viewed thing on the internet is websites which is a collection of web pages and related content that is identified by a common domain name and published on at least one web server. Notable examples are wikipedia.org, google.com, and amazon.com. The world's first website was published on August 6, 1991 by British physicist Tim Berners-Lee. The number of website As of January 1st, 2020, there were 1,744,517,326 websites, up from 257,601 in January 1996.This number shows a huge release of website per year that’s why people start to evaluate and categorize websites.

# History of internet

No single person invented the Internet. It was the result of years of collaboration among computer scientists, researchers and engineers. Technology experts cite various government agencies as well as a handful of individuals that have played an instrumental role in creating what we know today as the Internet. The history of the Internet has its origin in the efforts to interconnect computer networks that arose from research and development in 1960’s.The major researches are “Galactic Network” concept by J.C.R. Licklider of MIT in 1962 and U.S. military’s research network dubbed Arpanet in 1969.but the Arpanet research was the best because the first successful message was sent from a computer in UCLA to another computer (also called node) at the Stanford Research Institute (SRI). These computers were called Interface Message Processors (IMP).

The Internet has revolutionized the computer and communications world like nothing before. The invention of the electronic devices set the stage for this unprecedented integration of capabilities. But to be in this stage it passes through different stages the table below shows major changes on internet.

Table 1 : events that modify the internet

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| --- | --- |
| year | event |
| **1969** | The first message is "LO," was sent from a computer in UCLA to another computer at the Stanford Research Institute (SRI) by Charles Kline |
| **1972** | Ray Tomlinson introduces network email. The next year the term internet born |
| **1974** | The first Internet Service Provider (ISP) is born with the introduction of a commercial version of ARPANET, known as “Tele net” and Vinton Cerf and Bob Kahn publish "A Protocol for Packet Network Interconnection," which details the design of TCP. |
| **1982** | TCP/IP emerge as the protocol for ARPANET |
| **1983** | The Domain Name System (DNS) established |
| **1987** | The number of hosts on the Internet exceeds 20,000. Cisco ships its first router |
| **1990** | Tim Berners-Lee, a scientist at CERN, the European Organization for Nuclear Research, develops Hypertext Markup Language (HTML) the next year they introduces the World Wide Web to the public. These technologies have large impact on the Internet today. |
| **1994** | Yahoo! is created by Jerry Yang and David Filo |
| **1997** | Netflix is founded by Reed Hastings and Marc Randolph as a company that sends users DVDs by mail. |
| **1998** | The Google search engine is born, changing the way users engage with the Internet. |
| **1998** | The Internet Protocol version 6 introduced, to allow for future growth of Internet Addresses |
| **1999** | AOL buys Netscape. Peer-to-peer file sharing becomes a reality as Napster arrives on the Internet, much to the displeasure of the music industry |
| **2003** | The blog publishing platform WordPress is launched. |
| **2004** | Facebook goes online and the era of social networking begins. Mozilla unveils the Mozilla Firefox browser. |
| **2005** | YouTube.com launches. The social news site Reddit is also founded. |
| **2006** | Twitter launches |
| **2010:** | Facebook reaches 400 million active users. Instagram launched. |