**EVOLUTION IF THE INTERNET**

The Internet was the work of many scientists, programmers and engineers who each developed new features and technologies.

Long before the technology existed to actually build the internet, many scientists had already anticipated the existence of worldwide networks of information. Nikola Tesla came up with the idea of a “world wireless system” in the early 1900s, and visionary thinkers like Paul Otlet and Vannevar Bush conceived of mechanized, searchable storage systems of books and media in the 1930s and 1940s.

Still, the first practical schematics for the internet would not arrive until the early 1960s, when MIT’s J.C.R. Licklider popularized the idea of an “Intergalactic Network” of computers. Shortly thereafter, computer scientists developed the concept of “packet switching,” a method for effectively transmitting electronic data that would later become one of the major building blocks of the internet.

The first workable prototype of the Internet came in the late 1960s with the creation of ARPANET, or the Advanced Research Projects Agency Network. Originally funded by the U.S. Department of Defense, ARPANET used packet switching to allow multiple computers to communicate on a single network.

On October 29, 1969, ARPAnet delivered its first message: a “node-to-node” communication from one computer to another. (The first computer was located in a research lab at UCLA and the second was at Stanford; each one was the size of a small house.) The message—“LOGIN”—was short and simple, but it crashed the fledgling ARPA network anyway: The Stanford computer only received the note’s first two letters.

The technology continued to grow in the 1970s after scientists Robert Kahn and Vinton Cerf developed Transmission Control Protocol and Internet Protocol, or TCP/IP, a communications model that set standards for how data could be transmitted between multiple networks.

ARPANET adopted TCP/IP on January 1, 1983, and from there researchers began to assemble the “network of networks” that became the modern Internet. The online world then took on a more recognizable form in 1990, when computer scientist Tim Berners-Lee invented the World Wide Web. While it’s often confused with the internet itself, the web is actually just the most common means of accessing data online in the form of websites and hyperlinks.

The web helped popularize the internet among the public, and served as a crucial step in developing the vast trove of information that most of us now access on a daily basis.

1. Youtube ([WWW.YOUTUBE.COM](http://WWW.YOUTUBE.COM) )

It is a broad website used by users to watch and upload videos, headquartered in San Bruno, California. Three former PayPal employees—Chad Hurley, Steve Chen, and Jawed Karim—created the service in February 2005. The video service can be accessed on PCs, laptops, tablets and via mobile phones. Millions of users around the world have created accounts on the site that allow them to upload videos that anyone can watch. It is restricted not to show graphic videos. First to be published in April 28, 2005 up to date. According to Wayback Machine, this particular website has grown very rapidly. It reached its peak in the Mid 2019.

1. Facebook (WWW.FACEBOOK.COM)

It is an American made social media and technology which was founded by Mark Zuckerberg. It is believed to be innovated in December 12,1998 which is widely used till date. It helps to interact people from different parts f the world. It swiftly grew in the previous days but reached its peak user by the time of 2018. According to Wayback Machine the website is losing its users compared to the past.

1. Netflix (Netflix.com)

Netflix is an American made Media-service provider and production company. It was founded in January 17, 1999 by Reed Hastings and Marc Randolph in California. By the time it was introduced it was not popular so there were not many users. But in time, this website has made a remarkable improvements and achievements till now. The number of Netflix subscribers has grown from less than 1 million to over 150 million in 2019. So, it is estimated that 37 percent of the world’s population internet u8sers use NETFLIX.

1. Twitter (Twitter.com)

Twitter is an American made microblogging and social networking service. It was founded in March 21, 2006 by Jack Dorsey, Noah Glass, Evan Williams and Biz stone launched for the first time in July 15, 2006. It’s Headquarter is located in San Francisco, California. Twitter users post and interact with messages known as “Tweets”. Twitter users follow other users in order to see the individuals ‘tweets’ in your twitter timeline. It reached at maximum level of users in late 2019. Which has shown an outstanding growth rate.

1. Instagram (Instagram.com)

Instagram is an American photo and video-sharing social media networking service owned by Facebook, Inc. It was founded in September 5, 2005 and developed by Facebook, Inc, Kevin Systrom and Mike Krieger. It was launched for the first in October 6, 2010 exclusively on IOS. It has been Awarded for the best short App. By the time it was created it didn’t have much users so they refurnished and decide to launch it in 2010. In this time gap its hasn’t been a profitable year for the developer company. These days it is believed to have over a Billion monthly active world wide users and daily active users stand 500 million with overall 120 million active Instagram users. Just by looking at the numbers it is easy to tell that this world wide website grown and will grow speedily.