**1. History of the internet**

**1.1 Before the internet**

Before the internet or before 1960s life was different from these days. If one has any relatives or friends which live abroad or even in a different city, he/she have to be there to talk to them or write a letter which may take months to reach to its destination. Also, letters do not give the feeling of actual conversation with the person additionally it may be needed to wait a long time to get a replay from the person. And talking face to face might even be impossible, the person may live in the opposite side of the country or in another country.

Information was so precious, people who can read may benefit from newspapers which are good option else radios and television was also available there were few news stations since owning news station requires a good investment unlike now which all you need is YouTube channel. On the other hand, social life was really good and communication was not based on need, its was mandatory. Also, books did have readers, and libraries was not empty.

**1.2 Who Created Internet**

Some inventions are pulled of by a single person and make a difference in the world. And others need a lot of minds to work together. Internet is one of them some brought the idea others bring it to reality others put it to something useful. It can be said Internet is one of the greatest innovations the world has ever seen. To understand the internet more, it is mandatory to go to the start.

Even though there were the idea of the internet for so long the idea for the internet was credited to Leonard Kleinrock after he published his first paper called "Information Flow in Large Communication Nets" on May 31, 1961. But there were a lot of scientists like Nikola Tesla who have the idea of World Wireless System and others like Paul otlet and Vannevar Bush have the idea to create searchable storage system of books. Even though Kleinrock brought the idea the first practical schematics for the internet arrive in the 1960s by J.C.R Licklider which brought the idea of “Intergalactic Network” of computers. Shortly thereafter, the development of internet was rapid. 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. In the late 1960s ARPANET (Advanced Research Projects Agency Network) was established which led to the first workable prototype of the internet. ARPANET was funded by the U.S. Department of Defense, and used packet switching to allow multiple computers to communicate on a single network. In December 1968, Elmer Shapiro with SRI released a report "A Study of Computer Network Design Parameters." Based on this and earlier work by Paul Baran, Thomas Marill and others, Lawrence Roberts and Barry Wessler created the IMP (Interface Message Processor) specifications.

On Friday, October 29 1969 at 10:30 p.m. ARPAnet delivered its first message: a “node-to-node” communication from one computer to another. The first computer was located in research lab at UCLA and the second computer was in Stanford and have a size of a small house. The message to be sent was “LOGIN”. But unfortunately, the computer at UCLA crashed and was not able to send the full message. The computer at Stanford only received the first two letters “LO” only. But after that they were abled to fix the situation and was successful.

Then in the following years major inventions starts to arrive 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. In 1971 Ray Tomlinson sends the first network e-mail. A few years later in 1974 ARPANET introduced commercial version of it self-called Telenet which is considered to be the first ISP (Internet service provider). In 1977 home users was able to connect to the internet thanks to the innovation was the 80-103A modem by Dennis Hayes and dale Heatherington.

Also, the 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.

**1.3 After the internet**

There was a time when the internet was considered as magic and was not back bone of existence now it is almost impossible to imagine life with out the internet. There is no any part of the world without the influence of the internet. Internet is in everything, it almost feels like internet was created with air and water. Internet have brought human beings to a new era. New innovation which make life easier are always coming out, people with bright ideas share their ideas to the world easily, information flows like water, where ever you are in the world have the information about the world with continues updates. May TV programs satisfy you but there will be at least one person who understands you. You can be alone at the same time you are with billions of people around the world. Internet can be what ever you want it to be it is up to you.

But every thing comes with price, in this case it may be even the cause of human destruction. Human existence depends on each other which seems like the internet it taking away. The internet Is like an ocean you can drown easily, or get eaten by a predator or if you are wise enough you can get out of the ocean with fish.

<https://medium.com/@ThunderPuff/life-before-the-internet-54cc03fd2451> <https://insight.kellogg.northwestern.edu/article/what_has_the_internet_done_for_the_economy> <https://www.history.com/news/who-invented-the-internet> <https://www.computerhope.com/issues/ch001016.htm> <https://medium.com/@TribalWorldwide/what-comes-after-the-internet-7415463e6327> <https://www.theguardian.com/technology/2009/oct/23/internet-40-history-arpanet>

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1,Ocean of games : <https://oceanof-games.com/>

2, Quora : <https://www.quora.com/What-is-the-best-site-to-learn-how-to-code>

3, Stackoverflow : <https://stackoverflow.com/>

4, instructables :https://www.instructables.com/

5, Youtube : https://www.youtube.com/