

1) Describe key events in the development of the internet from the 1980s to today
(max. 150 words)

In 1981, the NSF (of America), created CSNET for universities without access to APRANET. In this era TCP and IP became the standard communication for ARPANET.

Then, in the early 80's, a domain name system was invented.

In 1984, APRANET was split into two networks. MILNET was used for military purposes and APRANET was used for educational purposes.

In 1986, the NSF (of America) went online and started funding many universities with supercomputing centers to make them available for research in universities.

In 1989, The World wide web was invented by Sir Timothy John "Tim" Berners-Lee, who was working as a professor at MIT and CERN Laboratory.

In 1991 CERN introduced the World Wide Web to the public.

1993, the white house and United Nations went online.

In 2000, the dot-com bubble burst.

However, after the burst, the growth of the internet has continued to boom from 16 million in 1997 to 4.4 billion people that were active as of January 2019.

2) Define and describes the relationship between fundamental aspects of the internet such as: domains, web servers, DNS, and web browser

When a user of the internet searches a web browser for a domain name, it checks the domain name server, as this stores the domain names and the IP addresses of each website at the ISP and hosting providers locations.

The information then bounces from server to server until it reaches the recipients ISP and bounces to the users web browser.

When information is sent, uploaded or downloaded via the internet, the website server breaks down the information into digital packets, which contain wrapper information that instructs the computers what type of information it is, where it came from and the final recipient or destination.

A router is a networking device that sit at crossovers between networks and forwards packets of data from one network to another via other routers based on IP addresses.

3) Reflect on one aspect of the development of internet technologies and how it has contributed to the world today

The development of social media as an internet technology has contributed to the world today, through connectivity. Billions of people use social media everyday for connecting with others and entertainment. However, through connectivity, social media has also impacted the following areas of society today (to name a few):

Business can be improved by allowing a digital media strategy and social selling to consumers usually out of reach.

The public health is being shaken up due to virtual doctor visits, which allows individuals to seek help from their home and has in turn increased accessibility.

It also allows us to respond better to disasters. An example of this is Facebook's safety check, where you can declare yourself safe in a danger zone.

Finally, social media also allows the average person to contribute to some of the worlds biggest challenges (from human rights to climate change) by bringing together disparate but like minded people that can influence decisions, that were historically made by the government.