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Computer Xetworks Assignment - 01

Questy Discuss the history of computer networks.

Anse A computer network is a group of computers that has the potential to transmit, receive and exchange voice, data, and video traffic.

A network connection can be set up with the help of either cable or wireless media. In modern times, computer networks are very important as information technology is increasing rapidly all our the world. The network and data communication are the executial factors to ripe information technology in the world as technology's advancement is on the system, including the gadgets. A RPANET began the networking long ago.

In 1957, when SPUTNIK Scitellite was launched by Russia. An agency named ADVANCED RESEARCH PROJECT AGENCY (ARPA) was started by

For the United States Defautment of Defense, the funding of the design of the Advanced Research Projects Agency Network (ARPANET) was began by ARPA. In 1969, the network began to develops on the basis of the developed designs in the 1960s. The Delow are the complete history of computer networking:

- In 1961 In this year, Leonard Kleinrock proposed The carliest computer networks, which was the idea of ARPANET.
- In 1965 Donald Danies coined the term "packet" to describe how to send data between computers on a network.
- · In 1969 Although in 1966, the development of ARPANET began, officially started ARPANET in

1969. It was considered one of the first computer one twoosks in which first two modes, UCLA & SRI (Stunford Research Institute) were connected, & to Use packet switching. To provide & define information about network Protocols, proudures, & computer communications, The first RFC Surfaced as a document in April • In 1969 - On. 29 Aug. 1969, the first IMP & network switch were sent to UCLA. On ARPANET, the first data transmission was sent by using it. Ju 1970 - NCP, stands for Netware Core Protocol, released by Steve Crocker & a team at UCLA for use with Netware. · In 1971 - The first e-mail was sent to across a network to others by Ray Tombison. · In 1973 - While Working at Yerox PARC, Robert Met-caye developed the Ethernet in 1973. In the Same year, ARPA deployed the first international network connection, known as SATNET. In 1973, VoIP technology & capabilities mere Officially introduced, which made a VoIP call. However, until 1955, the software was not

available for users that could make VOIP calls.

In 1974 - The use of first router was began, but they are not considered true IP routers.

In 1976 - Originally called a gateway, Ginny Strazisar cluelop the first true IP router.

In 1978 - The TCP/IP protocol was developed and invented by Bob Kahn for networks; it was developed multipled help from Vint Cey.

Ju 1981 - In the United States, between IBM mainframe systems, BITNET was created in 1981 as a network.

The U.S National Science foundation developed the CSNET (computer Science Network) in the Same year.

1981.

In 1983 - For using TCP/IP, ARPANET finished the transition. The first DNS implement by Jon Postel & Paul Mockapetris in 1983.

• In 1986 - This is the year in which a backbone for PRPANET, the National Science foundation Network was came online, which finally took the place of ARPANET in 19908. In the Same year, with the Original BITNET, BITNET II was introduced to deal with bandwidth issues.

· In 1988 - The first 71 backbone was included with ARPANET, ATRT, Lucent and NCR introduced the "Introduced by a U.S network hendware company named Kalfana in 1990.

• In 1996 - An IPV6 was instroduced as an improvement over IPV4, as well as embedded encryption, improved routing.

* In 1997 - The 802-11 Standards, containing brownision speeds up to 2 Mbps, for Wi-fi were introduced.

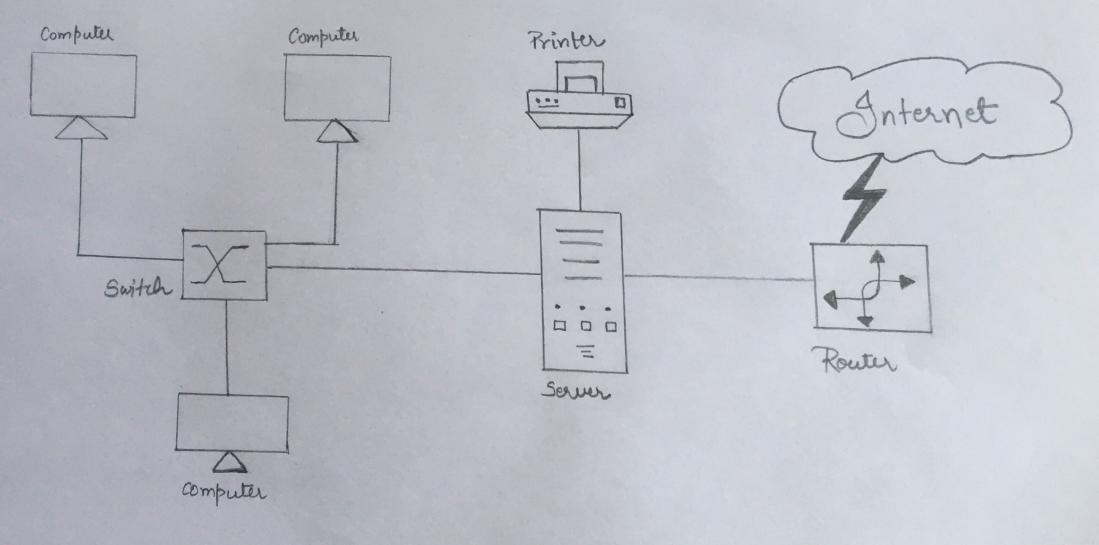
• In 1999 - The 802.11a standards, containing transmission speeds up to 25 Mbps to use the 9 GHz band was officially made.

• In 2003 - 802. 119 devices, contained transmission speech up to 20 mbps were available to public in January 2003. In the same year, for use with 802. 119, the WPA encyption protocol is released.

• In 2004 - As a replacement for WPA, the WPAZ encyption protocol was introduced. By 2006, WPAZ certification was compulsory for all WZ-FI clewices.

• In 2009 - 802.11n stemdard can operate on the 2.4 9HZE-5 GHZ bandwidths & offers higher transfer speeds over 802.11a & 802.11g.

· In 2018 - In Jamery 2018, WPA3 encryption was released by the Wi-fi Alliance, which comprises security enhancements over WPA2.



COMPUTER Network Diagram