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## Computer Networks Assignment - 01

Ques Discuss the history of Computer Networks?

Aus A computer Network is a group of computers that
has the potential to transmit, sective and exchange
voice, data, and video traffic.

A network connection can be setup with the help of either cable or wheless media. In modern times, computer networks are very important as information computer networks are very important as information the world. The network and data communication are the essent the network and data communication are the essent the world as technology in the world as technology advancement is an the world as technology; advancement is an the system, including the gadgets. APARNET began the networking long ago.

In 1957, when SPUTNIK satellite was launched by Russia. An agency named "Advanced Research Project Agency (ARPA)" was started by American, and its first satellite was launched within 18 months after establishment. Then they used AKPANET to show the information on another computer.

America's Dr. Lied Lieder has this all responsibility.

Then, ARPANET came to India in 1969, and its name changed from Indian to Network.

For the United States Department of Defense, the bunding of the design of the Advanced Research Project Agency (ARPANET) Network was began by ARPA. In 1969, the network began to develop on the basis of the developed designs in the 1960: Below are the complete history of Computer networking:

- e) In 1961 In Mis year, Leonard Kleinrock Proposed of the earliest computer networks, which was the idea of ARPANET.
- on a network.
  - o) In 1969- Although en 1969, the development of ARPANET began, officially started ARPANET in 1969. It was considered one of the first

Computers Networks in first two nodes, UCLA and SKI (Stanford Research Institute) were connected, and to use packet switching.

To provide and define information about network protocols procedures, and computer communications, the first RPC surfaced as a document in April 1969.

- e) <u>In 1969</u> On 29 Aug 1969, the first IMP and netwo resk switch were sent to UCLA. On ARPANET, the first data transmission was sent by using it.
- o) In 1970 NCP, stands for Network Core Protocol,

  released by the Steve Crocker and a Team at UCLA
  for use with Netwase.
- e) In 1971 The first e-mail was sent to across a network to others by & Tomlinson.
- e) In 1973- While working at Xerox PARC, Robert Metalese developed the Ethernet in 1973. In the same year, ARPA deployed the first International Network Connection, known as SATNET.
  - In 1973, VoIP Technology and capabilities were officia.
     lly Entroduced, which made a VOIP call.

for users that could make VOIP calls.

- ·) In 1974- The use of first router was began, but they are not considered here IP aperties.
- e) <u>In 1976</u> Originally called a galeway, Ginny Btrazissus develop the first true IP souter.
- Invented by Bob Kahn for networks; it was developed and -ed with help from Vint Ceef.
- e) In 1981 In the United States, between IBM mainfr -ame systems, BITNET was created in 1981 as a network. The US National Science foundation develo - fed the CSNET (computer Science Network) in the same year 1981.
  - e) <u>9n 1983</u>- for using TCP/IP, ARPANET finished the transition. The first DNS implement by John Postel and Paul Mockapetris in 1983.
  - e) In 1986- Thu is the year in which a backbone for ARPANET, the National Science Foundation Network was came ordine, which flually took the place of ARPANET in 19908. In the Same year, with the Driginal BITNET, BITNET II was introduced to deal

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- e) In 1988- The first T1 backbone was included with ARPANET, AT &T, Lucent and NCR introducted the WaveLAN network Technology in 1988.
- end Entroduced by a US network hardware company named Kalfana in 1990.
- ent over IPV4, as well as embeded encryption
  -on, improved routing.
  - entroduced.
- e) In 1999 The 802. 11a standards, containing transmission speeds up to 25 Mbps to use the 5 GHz band was officially made.
- encryption protocol is released,

- yption protocol was introduced. By 2006, WPAZ certification was compulsory for all wi-fi devices.
- and 5 GHz bandwidths and offer higher transfer speeds over 802.11 a and 802.11 g.
- Released by the Wi-fo Alliance, which comprises

  Computer Computer Printer

  Smitch

  Smitch

Server

Computer

Computer Network Diagram