**NETWORKING Note-1:**

We are all familiar with networks. Our phone has network, our laptop has network and our TV also has network. When we talk about networks in our daily life we usually refer it to internet or telephone connection. But what is a network actually? The field of Networking or as it is popularly known Computer Networks is a very important field in computer science, as it is somehow connected to every branch of computer science either directly or indirectly.

**Definition:** 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.

Computer networks are formed when two or more computers connect together over a channel or medium to share information or perform some specific task.

The google meet class you have is possible because my computer and your computer/mobile are able to connect with each other via google meet’s own special computer known as Server and the Internet.

**Evolution of Networking:**

Before the moder day Internet came into picture and before YouTube, Instagram, video calling etc. Networking had very humble beginnings.

ARPANET: The story begins in the late 1950s. At the height of the Cold War, the U.S. DoD wanted a command-and-control network that could survive a nuclear war. At that time, all military communications used the public telephone network, which was considered vulnerable as telephonic connections back then used switching offices which were connected to thousands of telephones. This led to the development of ARPANET(Advanced Research Projects Agency NET).

The main objective of creating ARPANET was to accommodate all the different research equipment with the packet switching technology. It also allowed the resources to be shared for the contractors of the Department of Defense. The network was used for connecting all the research centers along with several government locations and military bases as well. Soon, ARPANET became quite popular amongst all the researchers due to its collaboration with services such as electronic mail and much more.

You can read more on ARPANET here: <https://www.vedantu.com/full-form/arpanet-full-form>