

**ITSE-2192 Fundamental of web Design and Development**

**Introduction to Web and WWW**

Assignment One

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The evolution of internet

-Internet is the network of networks. the original Internet’s plan was not to be centralized. it was a project by the **US department of defense** to establish a computer data communications network that could withstand unforeseen events and disasters like war. Therefore it must be decentralized so that if one part of the system fails the rest can still function. It must also be able to communicate using peer to peer interconnectivity without relying on a single computer.

It all started with Advanced Research Projects Agency Network (**ARPANET)** in October, 1969 when the first successful message was sent from a computer in UCLA to another computer (also called node) at the Stanford Research Institute. In the beginning ARPANET benefited not just the military but also research institutes, so it had its origins in the academic community though it was a military project. Then eventually this system slowly evolved / adopted for commercial use. And also it was adopted by universities and research institutes in the early 1980’s through an initiative by the NSF (National Science Foundation). It was called the NSFNET Project and its aim was to promote research and education.

Eventually ARPANET and NSFNET would be decommissioned, thus paving the way for the commercialization of the Internet. It was also called the “Internet” as a sort of “interconnected” and “network”.

in the early 1990’s the connection to the Internet was via a telephone line. To access the Internet, all users needed to do was know the telephone number of the connected computer. From this computer, the user can establish connections to other computers. This computer was called a server and provided basic or specific services for users. This is known as a client /server architecture.