

Hello friends! In this video, we will understand, what is Internet and how it works.

So what is the internet?

The internet is the wider network that allows communication among the computer networks around the world run by companies, governments, universities, and other organizations. If your device is connected to the Internet then you will be able to access all the applications, websites, social media apps, and many more services.

The first question that comes into your mind is “How Internet Began?” The internet came in the year 1960 with the creation of the first working model called ARPANET (Advanced Research Projects Agency) The biggest achievement at that time. And then the first Email was created in 1970. Online Shopping was invented in 1979. then came hackers and the first Computer virus was sent in 1980. In 1986, the speed of the Internet was developed. Later in 1990, the first browser called the World Wide Web was developed. During the year 1992-1994, the internet spread worldwide. In 1999, WIFI was Introduced and till now the Internet is growing day by day.

Let's see how the Internet Works.

When a sender sends data in the form of a message, they are broken up into tiny parts called packets. The packets travel a path on the Internet to reach their destination. To make this exchange of data possible, all the computers on the network follow the same set of rules, called the Internet

Protocol (IP). What is Internet Protocol Address an IP address is a unique address that identifies a device on the internet analogous to your physical global address.

It is a String of numbers such as 192.168.0.13

You can check the IP ADDRESS OF YOUR COMPUTER by Opening a Command Prompt, then typing Ipconfig command

IP addresses can be of two types private and public

Private IP Address which is used within a local network.

Public IP Address which is used outside the network.

The Ip address can be static which is manually configured and fixed to a device. It cannot be changed automatically. **Or it can be a dynamic IP address** that changes from time to time automatically. Most home networks are likely to have a dynamic IP address as it is cost-effective for Internet Service Providers (ISP).

What Happens when you surf the Internet:?

When you type the web address, known as URL or Uniform Resource Locator, into your browser your query is processed and a Hypertext Transfer Protocol(HTTP) request is sent to the target server. Now server approves the request and sends a "200 OK" message to the device. After this, the server sends webpages to your browser in the form of data packets.

Which are reassembled by the web browser to display the web page.

Let's understand the frequently used word Cyber Space. Cyberspace is the virtual environment where the internet

and other technologies like www, cloud, etc. allow users to do every work-related communication. Everything around us, like education, finance, the military, social media, organizations or companies, etc., is connected to cyberspace.

Thank You

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