Module: Digital Technology what we learn

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Digital Technology

What is digital technology ?

Digital technologies as tools, systems and devices that can generate ,create, store and process data. Well known examples are social media, online games, multimedia and mobile phones.
Digital learning is a technical learning.

Benefits :

Digital technology makes our lives very easy weather we are doing shopping ,make it easy to stay in touch with friends and family and work remotely even we are in any part of world.Websites, apps, and software have all been created to help users to socialize.

What is computer

A computer is a device for working with information. The digital computer stores data in discrete units and performs arithmetical and logical operations at very high speed.

Benefits and limitations of computer

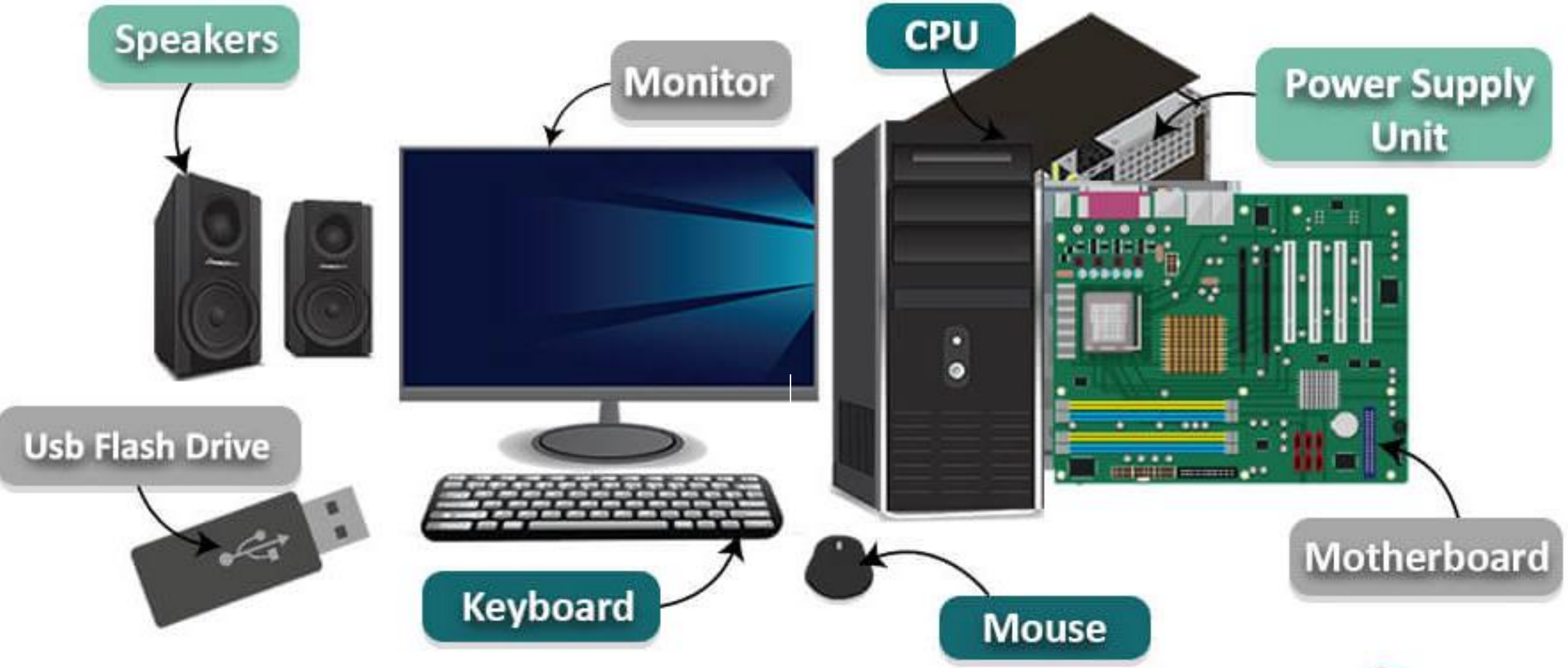
Benefits

- Time saver
- More information
- Easy way of storage
- More opportunities for cooperation and networking
- Best way to communicate to people all around the world.

Limitations Of Computer

- No IQ ,it can’t act on situation.
- No feelings
- Not a decision maker
- Human dependece
- Danger to be hacked.

Components of Computers



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Storage Devices

- Hard Drive
- Floppy diskette
- Flash storage
- USB Flash drives
- Memory Card
- Magnetic card
- SSD
- DVD
- Optical devices
- Ram

What Is Hardware And Software

Hardware:

Hardware is the physical components of a computer, such as the motherboard, processor, memory, storage drives, and other devices. It is the hardware that hosts and supports software or programs that provide instructions for the computer to complete its tasks. Hardware can also include external input/output devices such as keyboards, mice, monitors, printers, and speakers.

Software:

Software is a set of instructions, data or programs used to operate computers and execute specific tasks. It is the opposite of hardware, which describes the physical aspects of a computer. Software is a generic term used to refer to applications, scripts and programs that run on a device.

Office Software Products

Most useful Offers software products

What is internet and web technology

How Is Internet Orgnized:

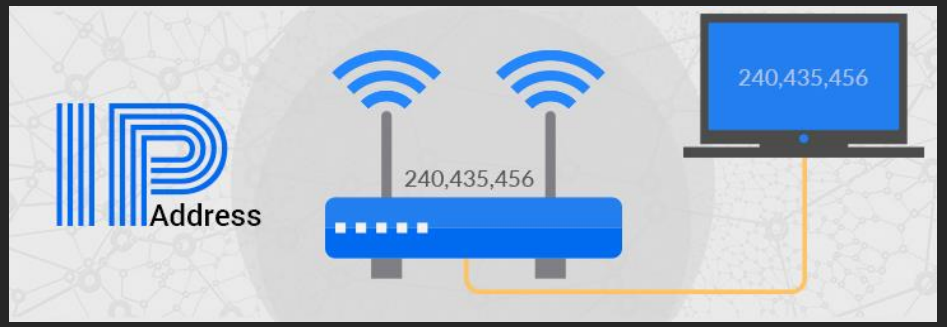
No one person, company, organization or government runs the Internet. It is a globally distributed network comprising many voluntarily interconnected autonomous networks. It operates without a central governing body with each constituent network setting and enforcing its own policies.

How Is Data Transmitted Over The Internet?

When data gets sent over the Internet, it is first broken up into smaller packets, which are then translated into bits. The packets get routed to their destination by various networking devices such as routers and switches.

What’s An IP Address?

An IP address is a unique address that identifies a device on the internet or a local network. IP stands for "Internet Protocol," which is the set of rules governing the format of data sent via the internet or local network.



How Can Protect A Company Data?

- Write up a strategy. ...
- Protect against malware. ...
- Keep your wireless network secure. ...
- Safeguard passwords. ...
- Create a plan for personal devices. ...
- Set up automatic software updates. ...
- Conduct background checks. ...
- Dispose of data properly.

How To Improve Home Security?

- Change the default name of your home Wi-Fi.
- Make your wireless network password unique and strong.
- Enable network encryption.
- Turn off network name broadcasting.
- Keep your router's software up to date.
- Make sure you have a good firewall.
- Use VPNs to access your net

What Is Word Wide Web?

The World Wide Web commonly referred to as WWW, W3, or the Web is a system of interconnected public webpages accessible through the Internet.

The Domain Name System (DNS)

The Domain Name System (DNS) is the phonebook of the Internet. Humans access information online through domain names, like nytimes.com or espn.com. Web browsers interact through Internet Protocol (IP) addresses. DNS translates domain names to IP addresses so browsers can load Internet resources.

Server Software

A software server is a type of software that enables a computer to act as a server. It manages the hardware and software components on a network, making it possible for users to share files, printers, and other resources.

Poster And Flyer Making

In this module I also learn how to make a poster and Flyer It was my new and first-time experience.

That was really good and gave me confidence and more energy that I can do more well.

It was very interesting to do this

Working With Computer And Devices

In "working with computer and devices "course I did many courses.

I learn about,

- Excel
- Power point presentation
- Computer Literacy
- Artificial Intelligence
- Different functions of computer

Cyber security

During this module I leaned many things about cyber security. These are some important points that I learned.

- To Protect Your Data
- To Defend Against Reputation Damage
- To Prevent Business Disruptions
- To Protect Your Employees
- To Stay Compliant With Regulations
- To Safeguard Your Intellectual Property
- To Prevent Identity Theft
- To Protect Your Finances

Software And Apps

During this module we also learn about different software and Apps. That we use different software and apps in our daily basis life.

We learn that how we can use different software to set and mannage our business and how apps helped us to improve and grow our business.