

Teachers' Training College, Bhagalpur

The background image shows a large, two-story institutional building with a light green facade and numerous windows. A central entrance is visible. A sign on the building reads "TEACHERS' TRAINING COLLEGE BHAGALPUR". The sky is blue with some light clouds. The foreground is a grassy area with a few people walking.

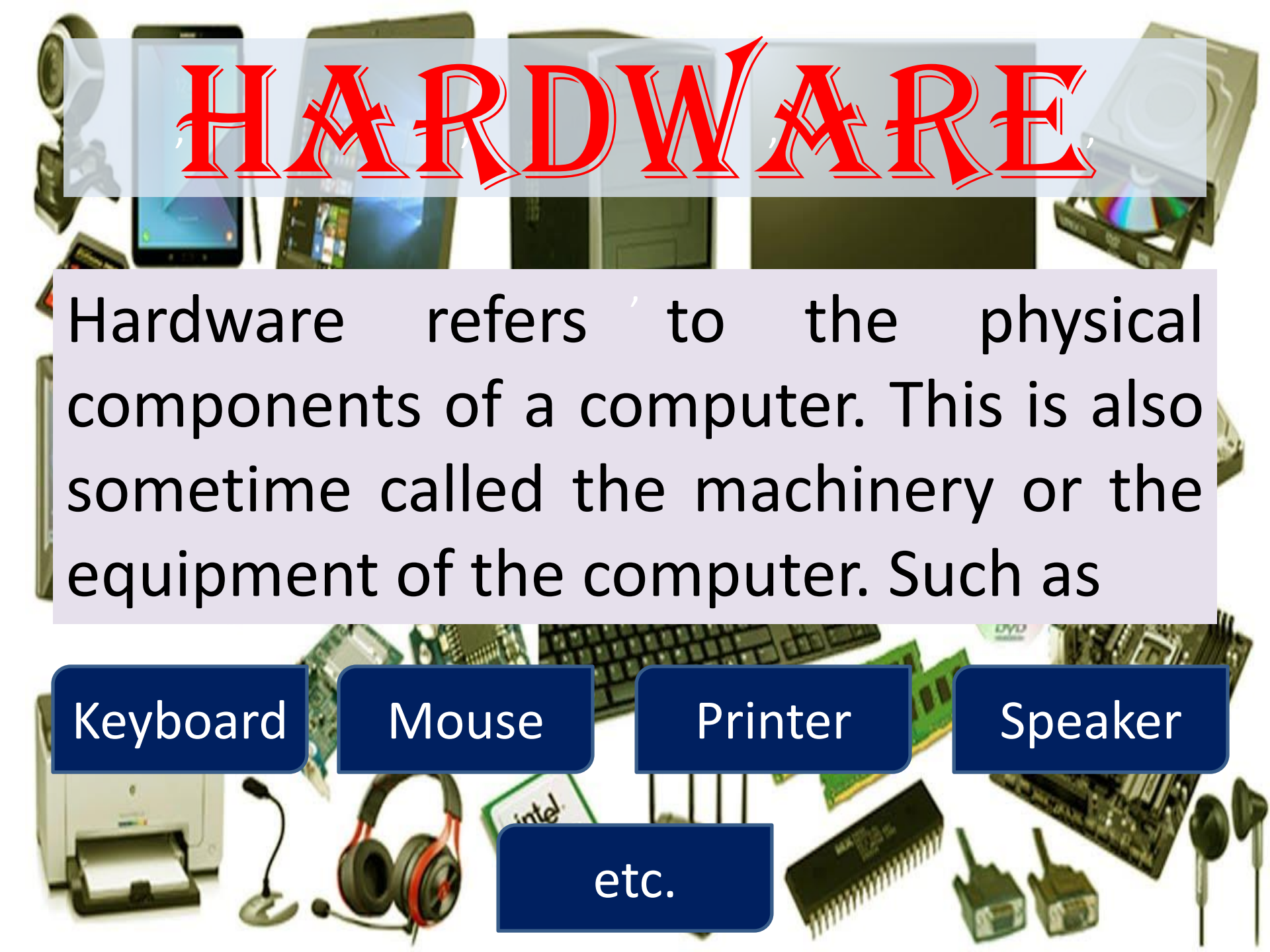
Presentation on

Hardware & Software

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1. What is Hardware?
2. Types of Hardware.
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 - ii. Processing Device
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3. Relationship Between Hardware & Software
4. What is Software?
5. Types of Software
 - i. System Software
 - ii. Application Software

HARDWARE



Hardware refers to the physical components of a computer. This is also sometime called the machinery or the equipment of the computer. Such as

Keyboard

Mouse

Printer

Speaker

etc.

There are four types of Hardware

Input Device

Processing Device

Output Device

Storage Device

Input Device

An input device is a hardware or peripheral device used to send data to a computer. It allows users to communicate and feed instructions and data to computer for processing, displaying , storing, and transmission.

Example

Keyboard



Mouse



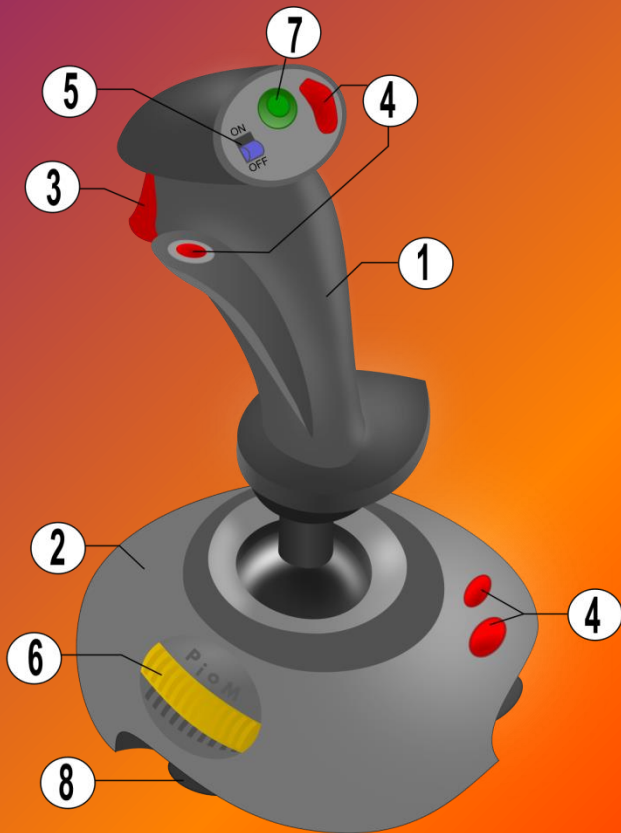
Microphone



scanner



Joystick

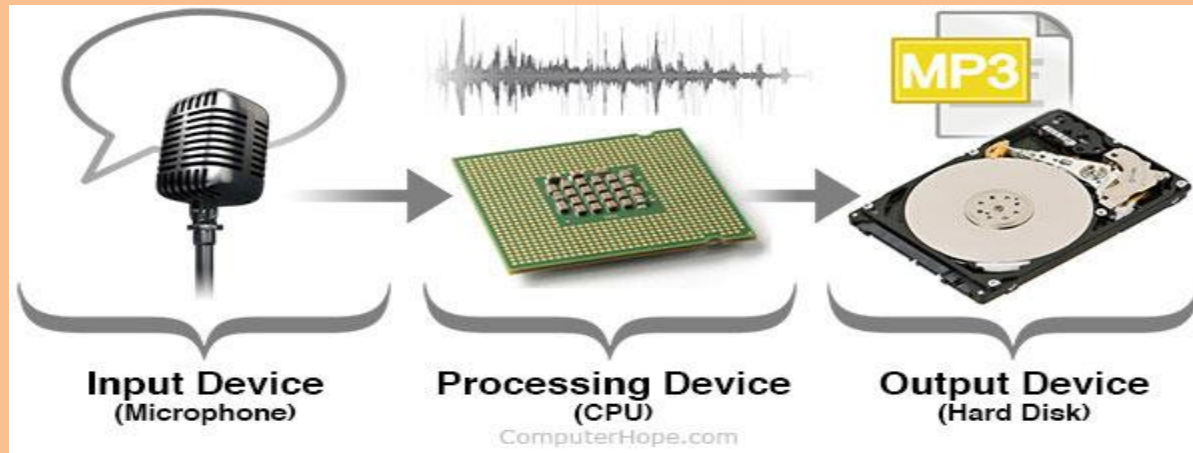


Touch screen



Processing Device

A **processing device** is any **device** in a computer that handles the intermediate stage of **processing** the incoming data. For example, in the diagram below, the CPU is the **processing device**



Output Device

An output device is a hardware or peripheral device used to get output of processed data from a computer.

Example

Monitor



Projector



Printer



Speaker



Storage Device

A **storage device** is any type of computing hardware that is used for **storing**. **Storage devices** can hold and store information both temporarily and permanently. They may be internal or external to a computer, server or computing **device**.

Example

Hard disk



Pendrive



SSD



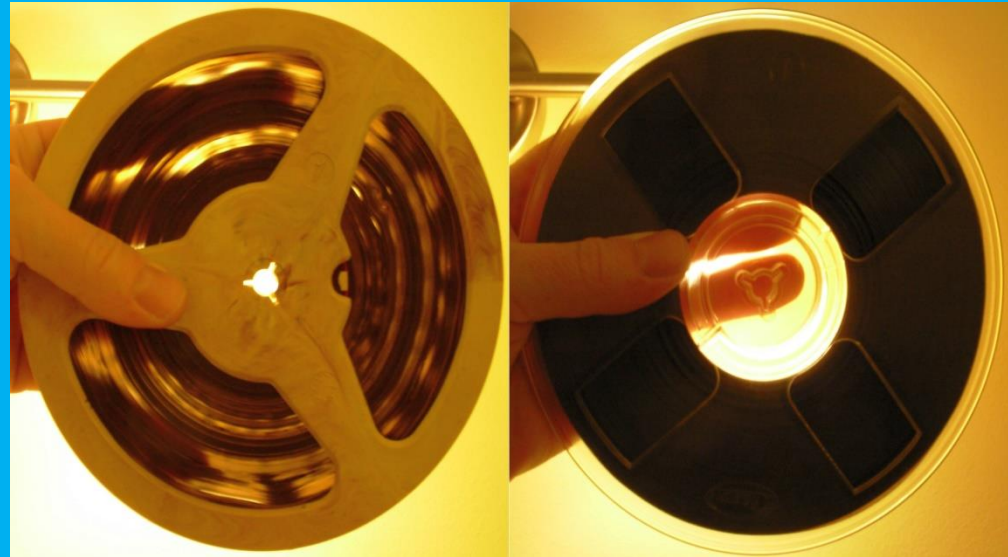
CD DVD



Memory Card



Magnetic Tape



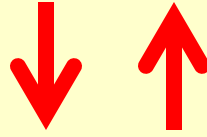
Relationship Between

Hardware

&

Software

Users



Application Software



Operating system



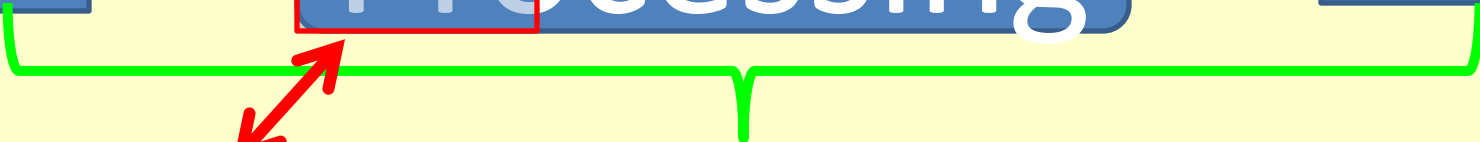
Input



Processing



Output



Storage



Hardware

SOFTWARE

Software is set of instructions that tell a computer **what** to do. **Software** comprises the entire set of programs, procedures, and routines associated with the operation of a computer system. A set of instructions that directs a computer's hardware to perform a task is called a program, or **software** program.

There are Two types of Software

System Software

Application Software

System Software

System software is **software** designed to provide a platform for other **software**. It is also called operating System. It creates the interaction between Hardware & Application Software.

Example

Linux

Unix

Ubuntu

Windows

Mac Os

Android

Application Software

Application software is a type of computer program that performs a specific personal, educational, and business function. Each program is designed to assist the user with a particular process, which may be related to productivity, creativity, and/or communication.

Example

MS Office

Adobe Photoshop

Adobe Pagemaker

Adobe Reader

Media player

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Thank You

