Strong Tower Academy

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THE DEVICE

Definition of Device

- ❖ Device is any machine or component that attaches to a computer
- ❖ Device can be define as a thing made or adapted for a particular purpose , especially a piece of mechanical or electronic equipment
- ❖ A Device is a unit of physical hardware or equipment that provides one or more computing functions within a computer system. It can provide input to the computer, accept output or both.

Classes of Device

There are three classes of Device namely:-

1. Mechanical device
2. Electrical device
3. Electronic device

Mechanical Device

- Mechanical device refers to a piece of machinery that has moving parts that perform some functions.
- Mechanical device is a mechanical structure that uses power to apply forces and control movement to perform an intend action.

Examples of mechanical Device include:- **Air conditioning, washing machine, vacuum cleanser**, etc.

Electrical Device

- Electrical device is a device that produces or is powered by electricity.
- It is a device which convert the current into other forms of energy or works. It uses the metal for conduction. The electrical device mainly work on high alternating current. The power consumption of the electrical devices is also very high.

Example are:- **Transformer , electrical bulb, heater, generator ,** etc.

Electronic Device

- This is a device which control the flow of the electrons for performing the particular task. The word **electronics** means the study of the behaviour off electrons under the effect of electric field.
- Electronic device are components for controlling the flow of electrical current for the purpose of information processing and system control.
- Examples are:- **integrated chip, transistor, micro processor,**etc.