Neurocontrol Systems Around Us

Neurocontrol systems are computers that are connected to one's brain. They can help people with diseases like Parkinson's and epilepsy. But they can also make us superhumans.

The computer reads the electrical signals in your brain and sends them to another computer, which tells a machine what to do. It learns from what you do, so it can start doing things by itself. For example, it can learn to stop hand shaking if you have Parkinson's disease.

Some people use neurocontrol systems because of an accident that left their hands or legs paralyzed. The computer connects to their brain and moves their limbs for them. One man called Ian Burkhart can now play a guitar again. He can even pick up small objects.

You can also use a neurocontrol system to control a robot. When you think about moving your arm, the robot's arm moves instead. Some robots can watch what you do and copy you. In the future, robots will be able to learn faster.

Some people worry about using neurocontrol systems to make us superhuman. Others believe that we should take any chance to improve ourselves. However, since these systems are still new, we don't know all the good and bad aspects of them yet.

- brain – мозг
- a disease – заболевание
- a handshake – рукопожатие
- a hand shaking – дрожание рук
- accident – несчастный случай
- to leave-left-left – оставлять
- a limb – конечность
- to pick up – подбирать
- to improve – улучшать

PROJECT

Give a 3-minute talk on neurosystems in different industries. Use the following plan:

- Where it is already used.
- How a neurocontrol system differs from traditional control systems.
- The benefits and drawbacks of using a neurocontrol system.
- Possible usage of neurocontrol systems.

DISCUSSION

Discussion:

1. What is a neurocontrol system?

2. How does a neurocontrol system work?

3. Can you give an example of a neurocontrol system in everyday life?