Social robots

What are social robots

A social robot is an artificial intelligence system that is designed to interact with humans and other robots. In its advanced form, a social robot recognizes faces, interprets speech and dialogues with people.

Social robots can be programmed to perform training tasks autonomously. This works best for content-based and repetitive tasks, where the input to the robot is well-described. A robot can be used for simple spoken interaction. For example the robot asks a multiple-choice question, listens for the spoken response and gives feedback on it and adapts its tutoring. Such robots allow learning of new content in a fun and interactive way.

Robots are not suitable for complex learning tasks and for high levels of interaction. Robots can face technical problems and may involve a high cost to repair and maintain.

Why using social robots as learning technology:

- Are programmed for well-structured contents
- Do not get tired of repeating the same over and over again
- Ease the tasks of the trainer
- Content can be easily updated

Advantages

- Have a big wow-factor
- Do not get tired and happily repeat the same thing a thousand times
- Can take over some of the tasks of the trainer
- Are programmed for well-structured tasks

Less suited for

- Free and unconstrained dialogue with the user
- Subjects which require human empathy
- Unpredictable situations .
- A minimal form of artificial intelligence must be present to appear credible
- The technology can fail and may involve high maintenance costs

Want to learn more about the benefits of social robots? Fill in the decision tool and find out which tools will best serve your goals.