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ARTIN Future Project

Module 2

Unit 2.2 Material example:
Recap via Abstract and Linguistic approach

Developed by: TECHNISCHE UNIVERSITÄT DRESDEN

Technische Universität Dresden

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MODULE 2 | Unit 2.2 - Recap using statements

Time: ~30min.

Preparation:

- different sizes of paper
- felt-tipped pen

Description:

After trying out different Applications, the learners should be aware of the opportunities and risks of such applications.
Statements that express these opportunities and risks are written on sheets of paper and distributed around the room. The students take part in the silent discussion activity and at first have the task of reading these statements quietly and writing their opinion on a piece of paper. (If necessary, a second round is possible to review the comments of the others).

Materials print template:

Facial recognition in the supermarket to get personalised advertising on your phone	Paying with facial recognition instead of bank card and PIN	Text analysis of job applications: automatic sorting out if there is not enough of a compatibility with the advertised position
Robots and machines can do jobs that are too difficult or too dangerous for humans.	If you can't answer the phone right now your voice assistant will pick up the phone and talks to the caller.	Image analysis for the diagnosis of diseases on X-ray images
Parents who cannot have children of their own are given a robot boy who looks and acts like a human being.	Automatic image analysis categorises a dark-skinned person as a "gorilla".	No one has to draw and paint any more. A machine can do that too.

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Computers can speak so well that their voices are indistinguishable from a real human being.

A self-driving car decides randomly starts malfunctioning. On the road are a child and a pensioner. The car must hit one of them and cannot avoid the accident.

Your voice assistant calls your parents if you don't get to school on time.

Your voice assistant makes a doctor's appointment for you because you ask it to do so and you don't have to time it by yourself.

Before an organ transplant, a programme predicts how likely the patient will reject the organ.

When people act and make decisions we include their errors in the calculation. If a machine is at the lever, we expect perfection.

Every current/new profession will sooner or later be done by an intelligent machine.

An oracle predicts crimes that someone will commit. The arrest and conviction take place before the crime.

Sources:

https://docplayer.org/docs-images/64/50749896/images/132-0.jpg last access: 01.12.2021