What artificial intelligence cannot do from a judge's perspective?

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It is becoming more and more well known what artificial intelligence is good for, in how many areas, including the field of law, can make our lives easier. The aim of the research and the lecture to be held as a result of it is based on thinking backwards and exploring what artificial intelligence is not capable of according to the current state of science. It explores the topic of how artificial intelligence could be used in court proceedings, what areas would remain where human intervention would be absolutely necessary, given the fact that artificial intelligence is not suitable for the task at hand.

The research is mainly based on the examination of psychological-cognitive abilities, and the results highlight that artificial intelligence is not capable of neoteny (the ability to progressively rejuvenate, juvenilisation).

Neoteny is the purely human trait that allows an individual to return to a lower function level than before, even if they have already above that level, but consider it to be the most appropriate for them. Illustrated with a simple example: it can be observed that a child who is already a house-trained, when their younger sibling is born, suddenly needs to be diapered again because they see that this way their parents will spend more time with them so this is more advantageous for them at that moment.

Examining neoteny in the light of court proceedings, it can be said that it is essential that a judge, when evaluating a case involving a minor (child), be able to "return" to the child's thinking in order to interpret the child correctly.

Similarly, the role of creativity, emotional intelligence, critical thinking, ethics, social perceptiveness in the work of a judge, as well as the shortcomings of artificial intelligence in this field, will be discussed.

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