



University of Debrecen Faculty of Medicine

GENERAL GUIDELINES on the Ethical Use of Artificial Intelligence

The primary purpose of these guidelines is to interpret and support the ethical use of artificial intelligence in the preparation and evaluation of Thesis/TDK papers.

Generative applications of artificial intelligence (AI) are capable of producing and processing new content with the help of machine learning, which is why AI is being used more and more widely in scientific research and artistic creation.

A fundamental requirement of any Thesis/TDK paper is that it must qualify as the intellectual creation of the author(s). If the use of AI determines the quality of the Thesis/TDK paper to such an extent that it can no longer be regarded as the participant's intellectual creation, the Thesis/TDK paper does not meet the fundamental professional and ethical requirements of the Thesis/TDK paper.

The participant's intellectual creation is a human creation, the result of the participant's intellectual achievement and thought. At the same time, content generated by AI may form part of a human intellectual creation or support it in other ways. A clear distinction between human intellectual creation and AI-generated content is a condition of the ethical use of AI, and it also serves to protect the integrity of human intellectual work.

The basic requirement of ethical AI use is transparency. Accordingly, in their intellectual work (Thesis, TDK paper, presentation), the participant must clearly identify the part of content produced by AI, specify in which part of the content AI was used as a supporting tool or function, and state the exact purpose of its use.

When preparing a Thesis/TDK paper, the AI used must be indicated in the plagiarism declaration in a manner suitable for subsequent identification. The statement must specify the part of content concerned, the purpose of use, a brief description of the prompt (AI query), the name of the AI application (model, version), and the date of download.

The purpose of use may be, for example (the list below is illustrative only, the function may be defined otherwise):

- literature collection or analysis,
- producing a content summary of a publication,
- structuring a research theme,



- data cleaning and processing,
- pattern recognition,
- supporting statistical analysis,
- supporting text creation,
- linguistic correction (grammar, style, coherence),
- translation,
- generation of figures and tables,
- image creation and retouching,
- generating research questions,
- other.

If the participant failed to indicate the use of AI because they were unaware of the use of AI software during an IT process, this fact must be taken into account during evaluation, and it must be considered to what extent the identification of AI use could reasonably have been expected from the author, given all the circumstances.

The ethical use of AI is to be assessed by the Section Panel members (reviewers) evaluating the Thesis/TDK paper.

The guidelines also apply to the evaluation of Thesis/TDK paper, stating that it is considered unethical for reviewers if the findings of a professional written evaluation originate from AI.

The Faculty of Medicine publishes these guidelines in full awareness that technological applications and software designed to verify and filter AI use retrospectively (AI detectors) do not yet yield reliable results, but can at most raise the suspicion of AI use. Their application during the evaluation (review) of Thesis/TDK paper is not a requirement, but not excluded either.

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