

Guidelines for Academic Use of Artificial Intelligence

Generated Content Tools at HKUST(GZ)

June 2023

On June 5th, 2023, the University officially launched its internal ChatGPT services. This significant step forward reflects our commitment to creating a digitally enhanced education and an interactive student-faculty-machine learning environment.

ChatGPT and other Artificial Intelligence Generated Content (AIGC) tools such as music generators (MuseNet, Open AI Jukin), data generators (TGAN, CTGAN) and speech generators (WaveNet) will bring lots of potential benefits to education, including facilitating reading, writing, assessing and tutoring. It may revolutionize our daily work, both as individuals and as an institution.

However, it is important to emphasize the proper use of ChatGPT and other AI tools, particularly in the realm of academic work. This initial guidance addresses the fundamental principles and will evolve as technology advances and the regulatory framework changes.

1. Upholding academic integrity

The existing policies and procedures regarding academic integrity, research integrity, and ethical conduct of the University remain in full effect and should be adhered to by the entire community to the highest standards. Improper use of generative AI contents may lead to serious academic integrity issues, and the University will thoroughly investigate all reported instances of academic misconducts.

2. Understanding limitations of AI tools

It is important to be aware of the disadvantages and limitations associated with the use of AI tools, including but are not limited to:

- i. Low quality content generated due to inherent flaws and biases in the AI algorithms or/and the database from which the AI tools learn;
- ii. The potential presence of incorrect citations because the information has not been verified and cross-referenced, and
- iii. AI tools lack of ability to understand and to critically evaluate the outputs they generated. Therefore, it is important for AI users to evaluate the content based on

their own knowledge and reasoning and use the content properly.

3. Avoiding improper use of generative AI content

It is recommended that students to check with instructors on assignments and exams to determine whether use of AI tools is permitted. If so, they should properly acknowledge and cite the use in their work. <https://www.scribbr.com/ai-tools/chatgpt-citations> offers some examples and guidelines for citing AI tools such as ChatGPT.

Without instructor permission and proper citations, using AI generated content directly in an assignment as the student's own work will be considered as a violation of University regulation.

4. Traditional anti-plagiarism tools such as Turnitin or iThenticate may not be effective in detecting AI-generated content. Course instructors may consider the following for suspicious assignments:

i. Request detailed logic flows or original designs

Instructors may require students to submit a detailed logical process or original draft with the final assignment work. This requirement ensures that students demonstrate their understanding and application of the course material and allows faculty to effectively assess learning outcomes.

ii. Consider oral or in-person assessment

In addition to written assignments, oral or in-person assessments could be included in the grading scheme.

Finally, at the University level, we respect individual choice about the use of AI tools and advocate equitable distribution of their benefits on campus. With the evolution of AI in the future, AI content recognition may become more challenging. We will work with course instructors to design innovative assessment plans for this new era of AI.

It is also important that the whole community recognize that the acquisition of knowledge requires deep logical and critical thinking. Individual's text generation is a valuable tool for deep thinking and intellectual exploration. By engaging in the process of generating text, individuals have the opportunity to delve into complex concepts, articulate and validate their ideas, and expand their understanding of

various subjects. Generative AI tools are merely an aid to supplement one's intellectual processes and AI-generated outputs cannot replace traditional study materials such as textbooks and published papers.

For individuals, especially students, it is advisable to study the intricacies of AI mechanisms, including deep algorithms and statistical principles. A deep understanding of AI will enable individuals to better navigate the field of AI-generated results and be fully aware of its strengths and limitations.

In addition, the University will further foster transdisciplinary interactions among students and faculty members to facilitate the sharing of experiences and insights in AI research, with the expectation to better utilize AI tools to enhance interdisciplinary research, individualized learning and scholarship at HKUST(GZ).

Institute of Education Innovation and Practice (IEIP)
Department of Academic Registry Services (ARS)

Reference:

HKUST Guidelines and Principles on Using Generative AI for Higher Education (Apr 2023)

<https://gohkust->

[my.sharepoint.com/:w:/g/personal/smcminn_ust_hk/EaAhSqSSg2NPj5Lgk1rWAKYBT08xTP6OG_hqpUyUUQk9ag?rttime=EGqn7Qx220g](https://gohkust-my.sharepoint.com/:w:/g/personal/smcminn_ust_hk/EaAhSqSSg2NPj5Lgk1rWAKYBT08xTP6OG_hqpUyUUQk9ag?rttime=EGqn7Qx220g)