

# AI ethics and governance for digital humanities pedagogy - UK and China.

A comparative study

Simon Mahony **Emeritus Professor of Digital Humanities** University College London. Visiting Professor, Peking University s.mahony@ucl.ac.uk

Qing Chen Independent Scholar helloqing98@yeah.net



**Hong Kong Association for Digital Humanities 2025 International Conference** AI & the Digital Humanities



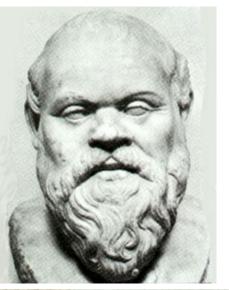
**January 16 to 19, 2025** Co-hosted by Lingnan University & the University of Hong Kong.

**Location: Arts Technology Lab** 



## Outline

- Background
  - Positionality
- Why the need?
- Why DH?
- Academic institutions
  - UK, Hong Kong, mainland China
- Government bodies
- Policies, strategies, lessons



# Questions rather than answers





- Knowledge or Wisdom?
- What are our assumptions?
- What you already know question this?
- Challenge and question ideas and preconceptions?



# Scholarship starts with questions

- Address old questions using more data
- Allows questions from multiple perspectives
- New possibilities for use of sources
- Ask new and better questions
- New possibilities for questions not possible before

- And be critical of everything
- Question everything
- Opportunities and challenges





## Concerns over Generative AI

- Critical evaluation of source materials
- Assessment abuse
- Plagiarism and essay generation
- Over reliance on AI tools for completing assignments
- Trust

## Initial questions:

How might Generative AI be part of the educator's toolkit and how might we build ethical frameworks that we can trust?

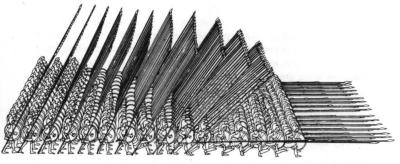
How can we use AI to scaffold self-directed learning to enhance the education experience in adaptive and personalised ways?

## Measure Versus Counter-measure

- Google
- Wikipedia
- Translation software
- [Essay writing services]
- Generative AI







The Macedonian phalanx, here shown in its fighting formation of 256 men, the syntagma.

## Method and source data

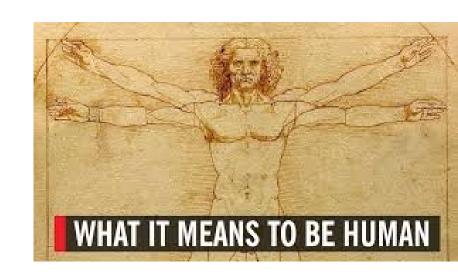
- Desktop analysis approach
- Examination and analysis of open web publications
- Published guidance and guidelines major academic institutions
  - UK, Hong Kong, mainland China
- Government publications and regulatory frameworks
- Commonalities and differences
- (do they matter?)

# Why DH?

- Following this research
- What is pertinent about this for DH?
- Go back and start again!
- What do we do in DH?
- How does this apply to DH?

# No single definition works for everyone

- Digital Humanities understands its object of study as the entire human record, from prehistory to the present.
- What it is to be human
- Necessarily varied: culture, language, location
- Computational work in the humanities
- Partnership between humanities and technology
- Thinking with and against the machine



# DH pedagogy

- Variety of educational models, variety of pedagogy no common curriculum (Walsh et al. (2021) 'Digital humanities in the iSchool'. *ASIS&T* https://doi.org/10.1002/asi.24535)
- Great diversity in types of models
  - PhD, Master, Bachelor minor/major, Diploma, Certificate etc
- School, Faculty, Department
- Many programmes offered in collaboration with other academic units
  - iSchools, Computer Science Humanities, Social Sciences, Engineering students
- Wisdom vs knowledge
- Thinking skills, ability to learn, reflective practice, collaborative working
- Skills for the workplace/career diversity
- Innovation as well as stewardship of the human record

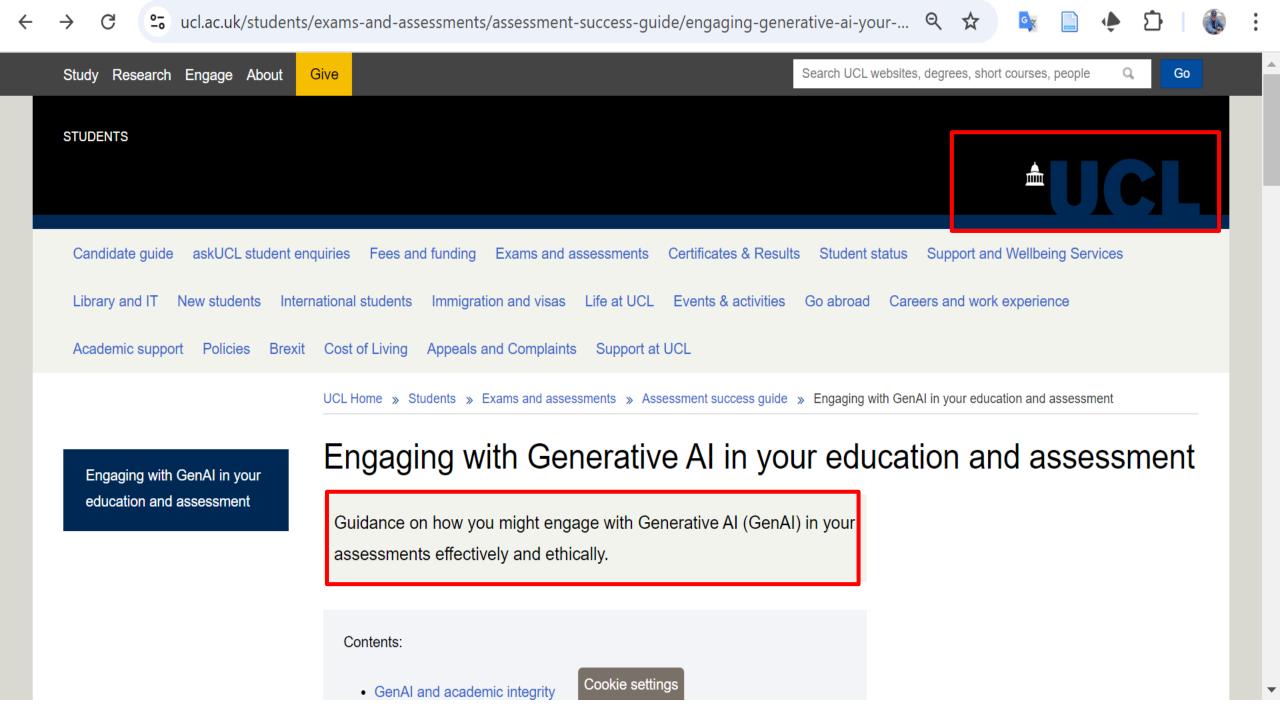
## **Ethics**

- Data privacy
  - GDPR (UK) & PIPL (China)
  - General Data Protection Regulation (EU), Data Protection Act 2018 (UK) UK GDPR
  - Personal Information Protection Law (PRC)
- Bias (conscious and unconscious)
  - Data models, algorithms
  - Technology is never neutral
- Copyright and Intellectual Property
- Transparency and Trust lack of verifiability
- Consideration needed at design phase not as an afterthought
- Impact on pedagogy?
- Outdated and incorrect output

(Hicks, M. T., Humphries, J., & Slater, J. (2024). ChatGPT is bullshit. *Ethics and Information Technology*, 26(2), 38.)

## Governance

- Regulatory frameworks
- Lack of standardised frameworks
- Lack of transparency
- Differing cultural contexts
- Nuance of language and translation
- Address similar and related concerns
- Regulation needs to be effective and controlled





The acceptable use of GenAl in UCL assessments.



#### Capabilities and limitations of GenAl

When GenAl can be helpful and when it is likely to give less successful results.



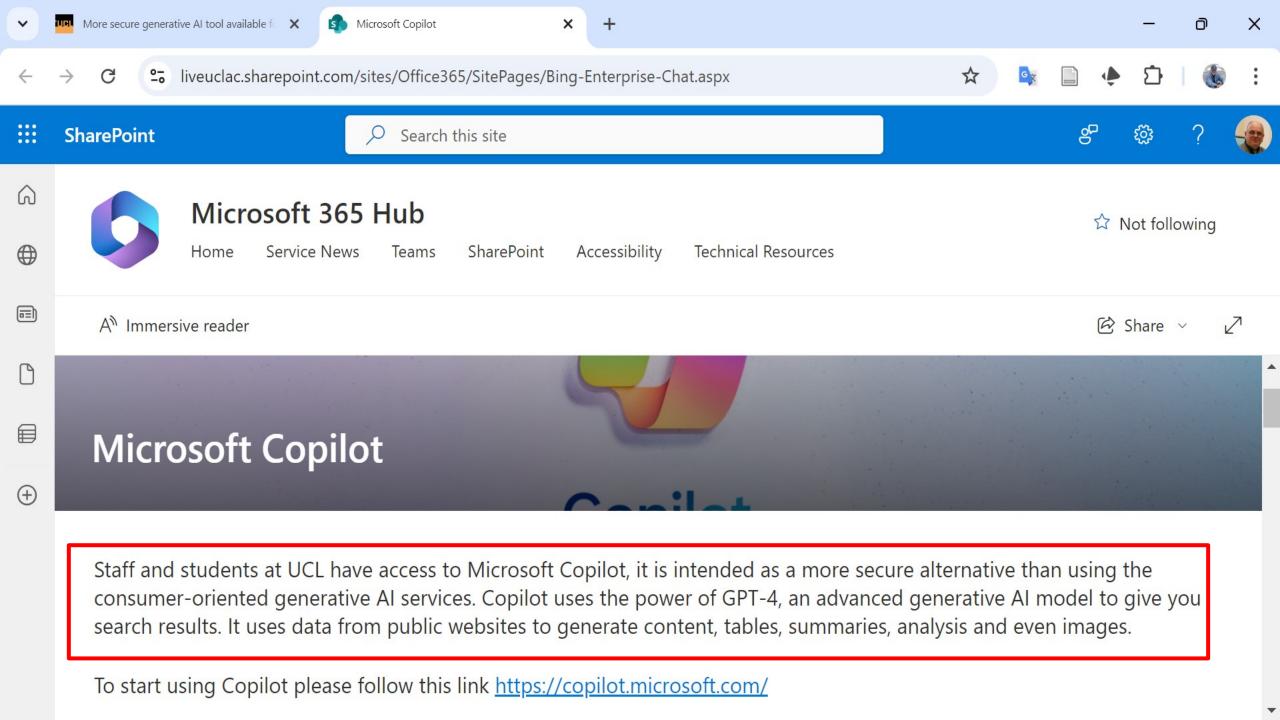
How to write prompts that guide GenAl to give you useful outputs.

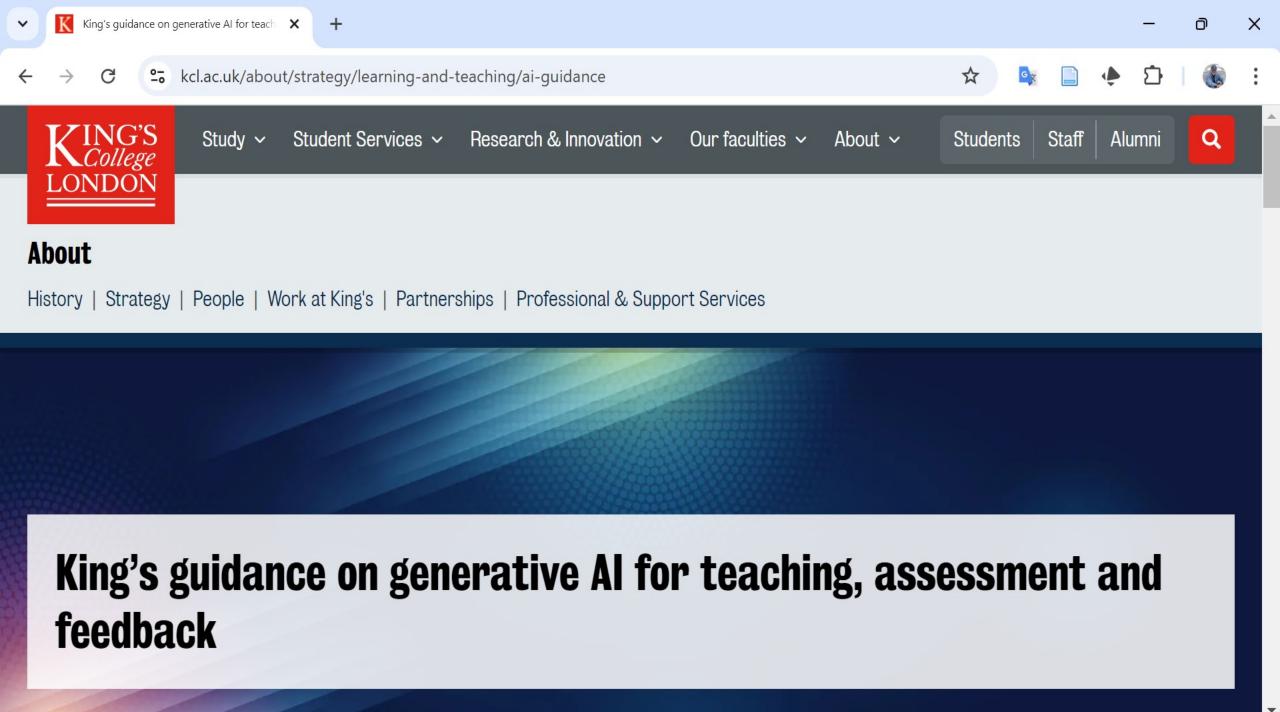


#### Ethics and sustainability of GenAl

The ethical concerns around GenAl services and how sustainable they are.

















chac.uk/about/strategy/learning-and-teaching/ai-guidance















#### **Macro-level guidance**

University-wide principles and policy.



#### Meso-level guidance

Departments, programmes and modules.



#### Micro-level guidance

GTAs/teachers/lecturers/PhD supervisors.



### **Approaches to** assessment in the age of Al

Support for staff in



#### Student guidance

Student guidance on the use of generative Al.



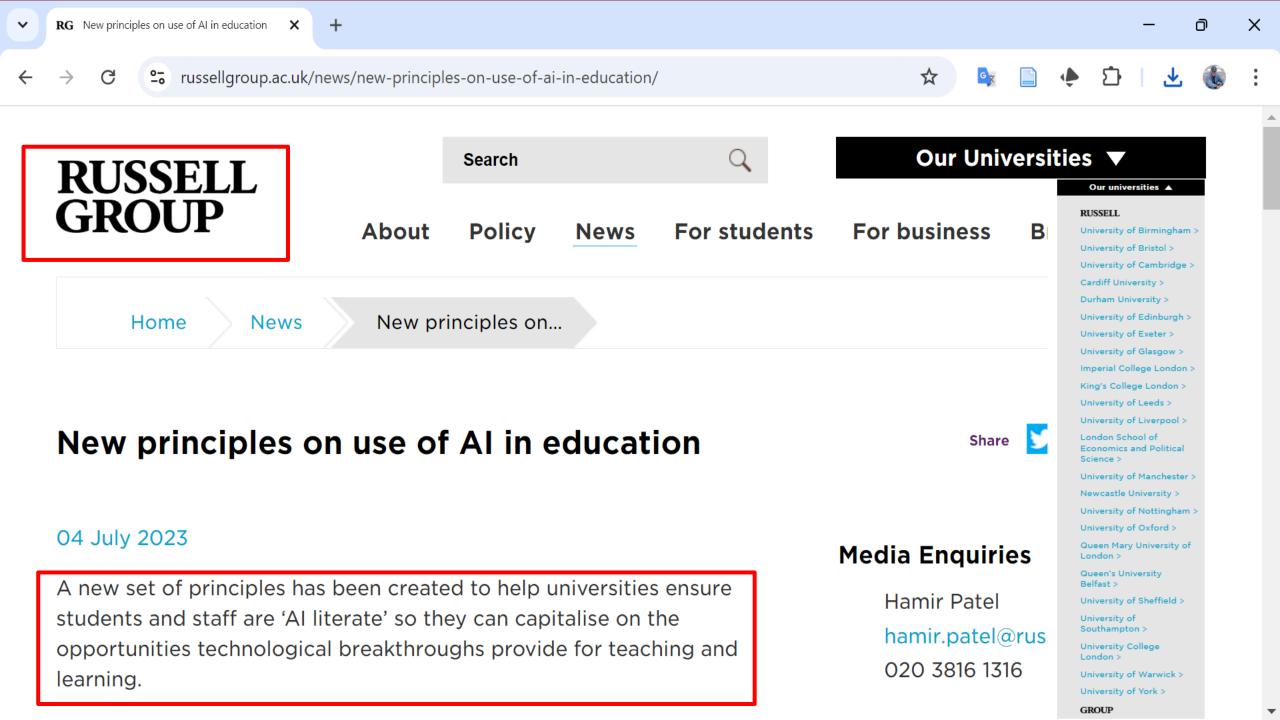
## **Guidance for doctoral** students, supervisors and examiners

Permitted uses of



## PAIR (problem, AI, interaction, reflection) framework guidance

Proactively integrating Al



Developed in partnership with AI and educational experts, the new principles recognise the risks and opportunities of generative AI and commit Russell Group universities to helping staff and students become leaders in an increasingly AI-enabled world.

The five principles set out in today's joint statement are:

- Universities will support students and staff to become AI-literate.
- Staff should be equipped to support students to use generative AI tools effectively and appropriately in their learning experience.
- Universities will adapt teaching and assessment to incorporate the ethical use of generative AI and support equal access.
- Universities will ensure academic rigour and integrity is upheld.
- Universities will work collaboratively to share best practice as the technology and its application in education evolves.

The statement of principles comes shortly after the UK Government launched a consultation on the use of generative AI in education in England.

#### uk

020 3816 1322

Chantel Le Carpentier

chantel.le-

carpentier@russellgroup.ac.uk

020 3816 1308

## Related news and policy statements

06 June 2024

An innovation-driven economy will help the UK become more healthy, green and economically resilient, says the Russell Group



that AI choices in education are taken on the basis of clearly understood values.

"The transformative opportunity provided by AI is huge and our universities are determined to grasp it. This statement of principles underlines our commitment to doing so in a way that benefits students and staff and protects the integrity of the high-quality education Russell Group universities provide."

Read the principles in full below

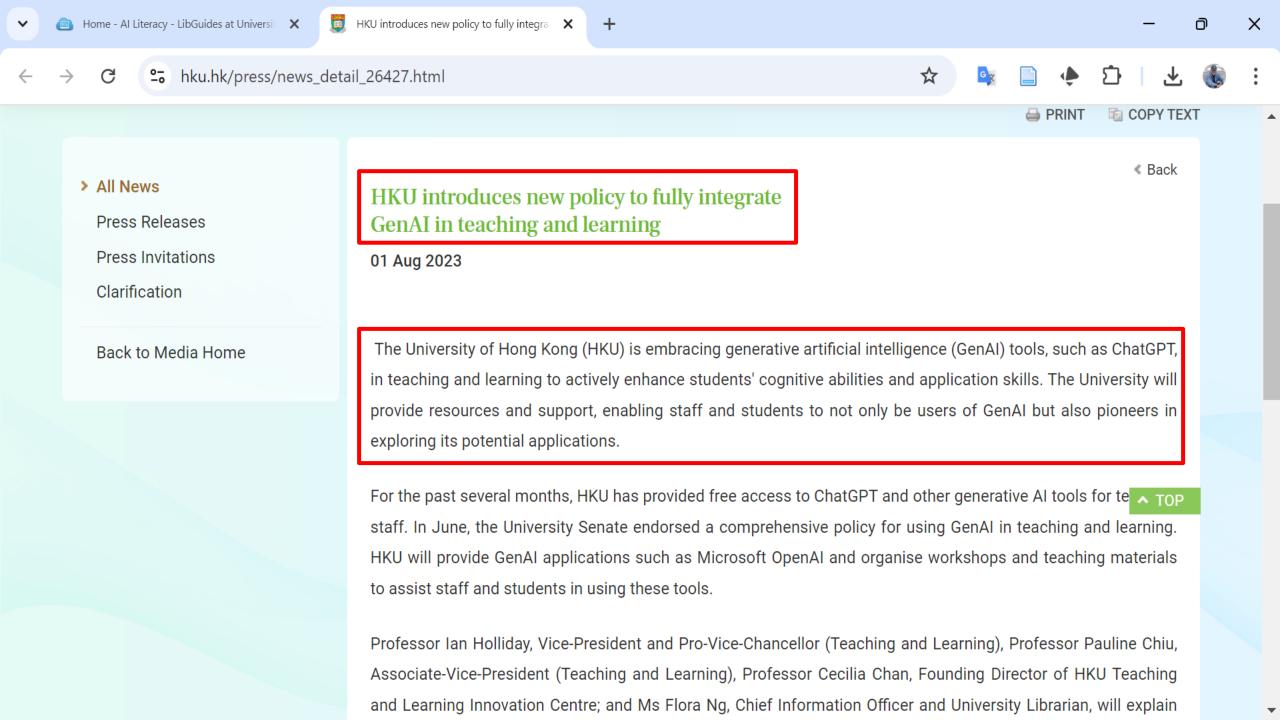
# Russell Group principles on the use of generative Al tools in education

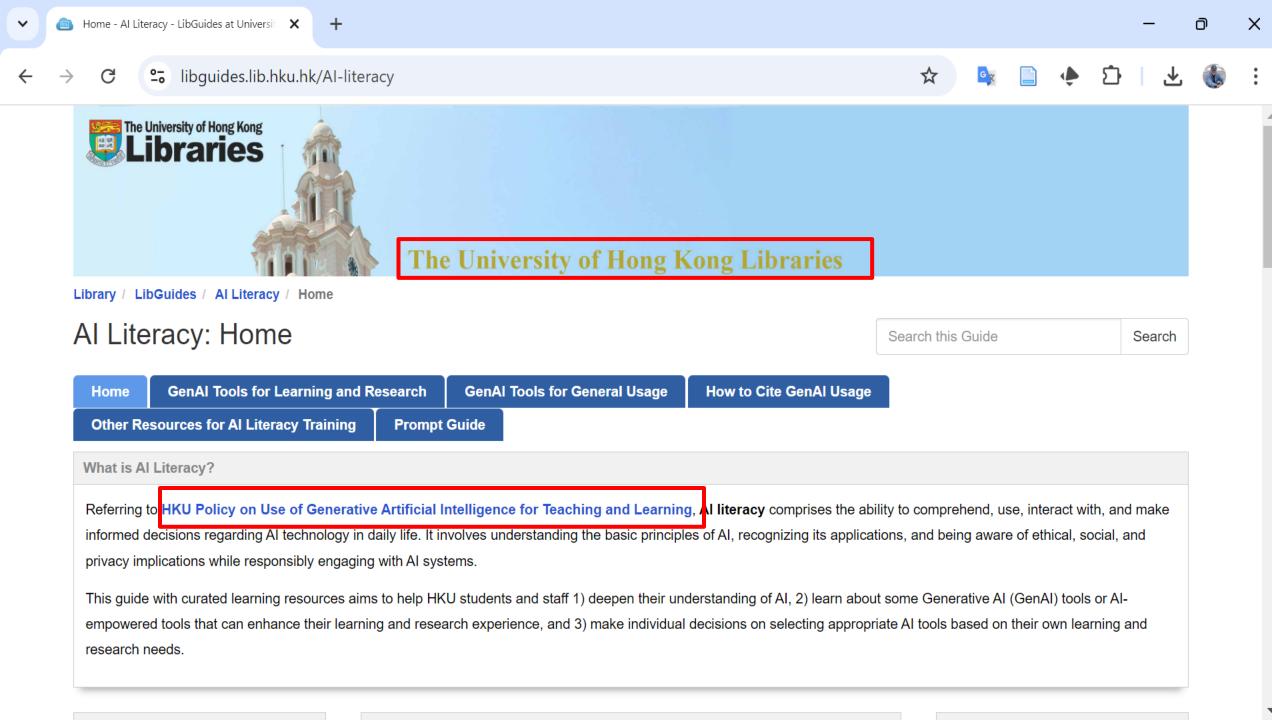


Download (PDF, 127KB)















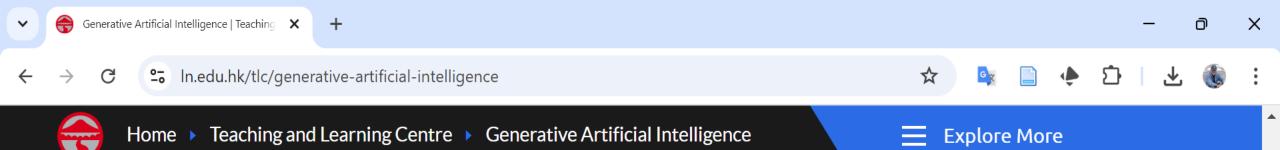


Home Teaching and Learning Centre Generative Artificial Intelligence

Explore More

Lingnan University is integrating Generative Artificial Intelligence (GAI) into its educational framework to improve teaching and learning experiences for students and staff. The GAI technologies can generate diverse content like text, images, and videos based on input data, revolutionising academic and administrative tasks. The university emphasises the integration of GAI to enhance teaching, learning, and administrative processes. The Teaching and Learning Centre (TLC) provides guidelines, best practices, workshops, and tools to ensure the ethical and effective use of GAI by instructors and students. This innovative approach supports students and staff in various academic and administrative tasks.

- What is Generative Artificial Intelligence(GAI)?
- How does GAI affect university education?



#### How Does the GAI affect university education?

Generative AI is poised to have a profound and wide-ranging impact on higher education in the coming years. Here are some key ways it is likely to affect colleges and universities:

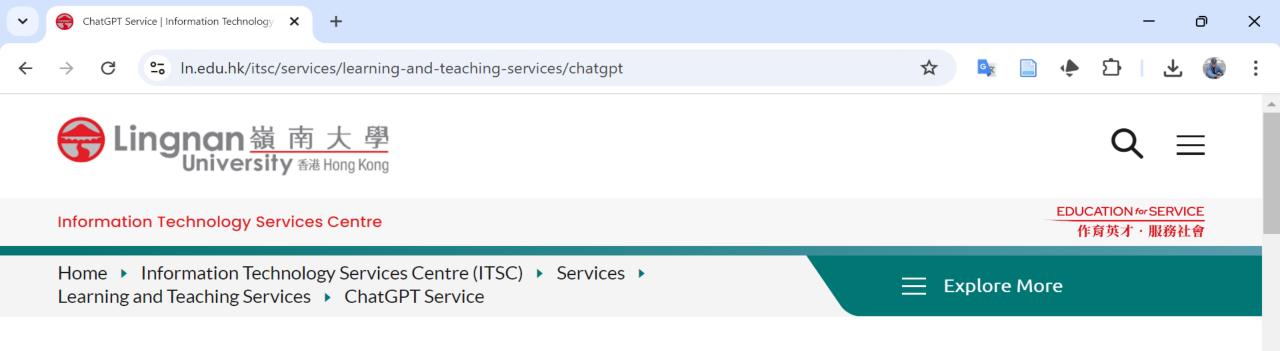
Widespread adoption and integration:

Surveys indicate that generative AI use is already becoming ubiquitous among students and faculty, with 50-65% reporting they have used tools like ChatGPT. If trends continue, generative AI is expected to become fully integrated into core academic activities in the near future.

Transforming teaching and learning:

Generative AI has significant potential to enhance and personalize the learning experience. It can adapt educational content to individual student needs, provide immediate feedback, and create interactive scenarios for skills practice. For teachers, it can assist with lesson planning, generating practice problems, and automating administrative tasks.

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## ChatGPT Service

Lingnan University fully embraces the use of advanced technology in support of its teaching and learning. In July 2023, the University has announced the policy of allowing the use of ChatGPT and other Generative AI tools in the 2023-24 academic year and onwards. The <u>big</u> <u>plan to advance data literacy</u> has also been developed to fully support the innovative adoption of generative AI tools in the teaching and learning environment of the University.

To support the above University's policy, ITSC has developed and launched its ChatGPT service that is built on Microsoft's Azure Open AI services. It is free to all current staff and students.







CityU GPT Chatbot Service

Guidelines on GenAl

**Use Cases & Resources** 

CityU Portal

**Contact Us** 

#### **Guidelines on Generative Al**



About CityU GPT Chatbot Service

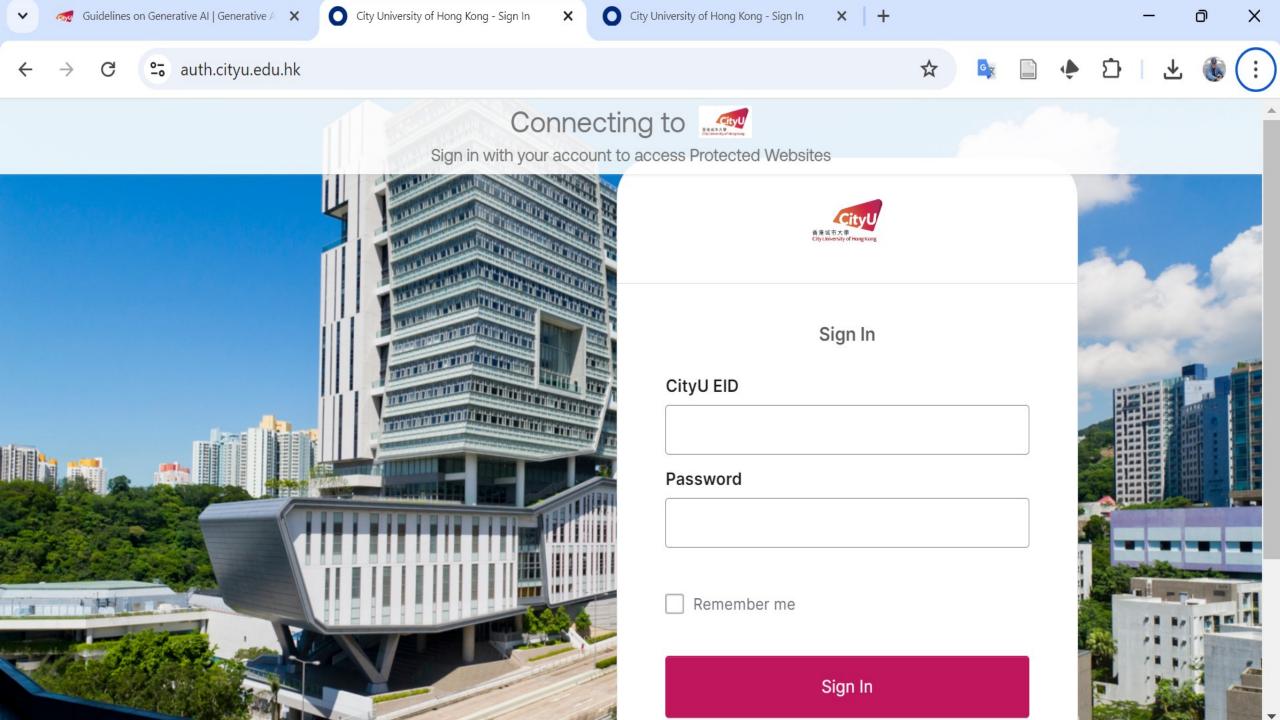
LinkedIn Online Courses

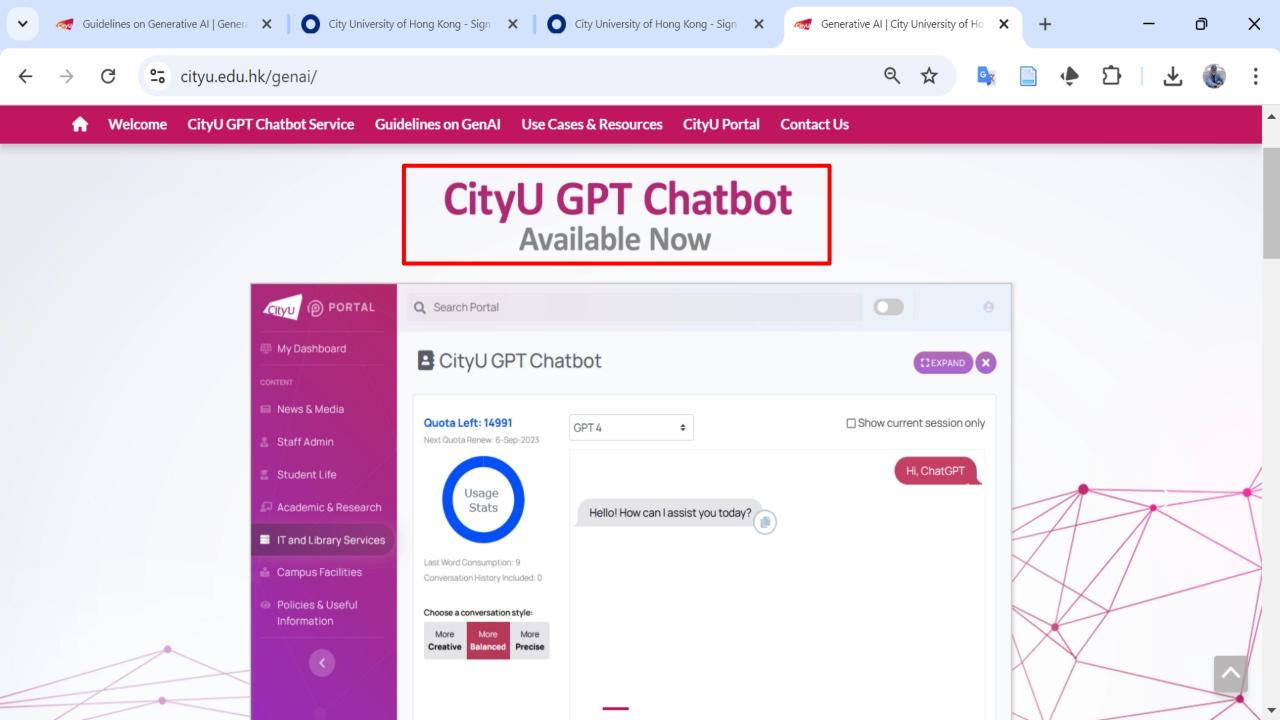
Content Generation with ChatGPT

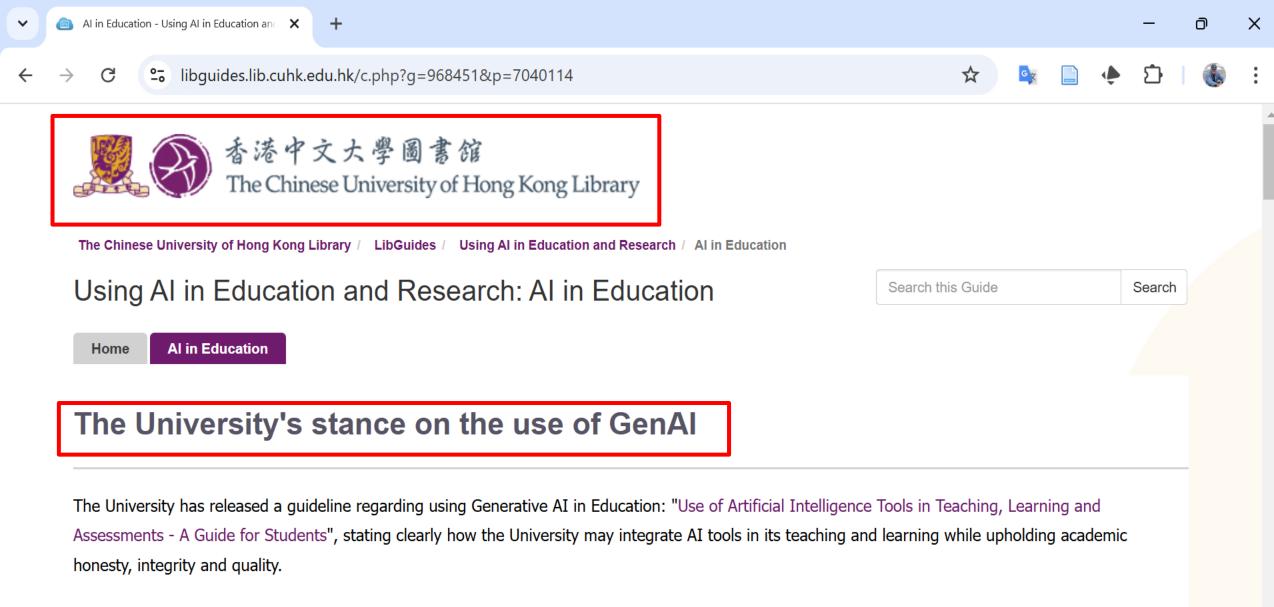
Summarize Text and Analysis

Revision Tutor Chatbot with ChatGPT

Essay Analysis with Assessment Rubric







As a general principle, unless specifically permitted, students are expected to complete all coursework, formative and summative assessments independently without the use of AI tools or other forms of unauthorized assistance. Otherwise, the case should be handled in accordance with the University's Procedures for Handling Cases of Academic Dishonesty if a student is found to have used AI tools in the assignments/assessments.



# CUHK Centre for Learning Enhancement And Research



## Generative AI @ CUHK



The Chinese University of Hong Kong emphasizes the responsible and ethical use of generative AI tools in education, promoting familiarity and critical engagement among teachers and students. The university upholds academic integrity by prohibiting unauthorized AI use in assignments and assessments, while allowing its use under specific conditions with proper citation and permissions. Regular reviews of guidelines, along with professional development for Al literacy, ensure that both teaching and learning benefit from technological advancements without compromising academic honesty.



Home / News

Peking University "AI for Education" Salon - Educational and Teaching Reforms and Countermeasures under the Background of Generative AI (Second Session) was held

2024/03/19 Information source: Teacher Teaching Development Center

Editor: Yan Ru | Editor: Yan Yuan



[Google Chrome translation]

#### Latest News

**05** 2024.12

The library held a music exchange event called "The Encounter between Pipa and Flamenco Guitar"

**05** 2024.12

Zhang Yongle: A new perspective on "civilization exchange and mutual learning" in classical studies

# Peking University "AI for Education" Salon

- Focus on the profound and long-term impact of generative AI on educational and teaching reforms.
- The impact of generative AI on education and teaching
- How to use AI to support teachers in improving their teaching ability
- Research and development of AI teaching assistants for subject courses
- Ethical risks of using big models in education, such as data privacy and bias,
- Teachers should first actively embrace generative AI and encourage students to try new learning tools

[Google Chrome translation]

(https://news.pku.edu.cn/xwzh/8b22c22c99df4553a4bfaaac2781f86c.htm)



Mobile learning platform Learning Assistant Sina Weibo



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ADMISSIONS INFORMATION

Current location: Home »

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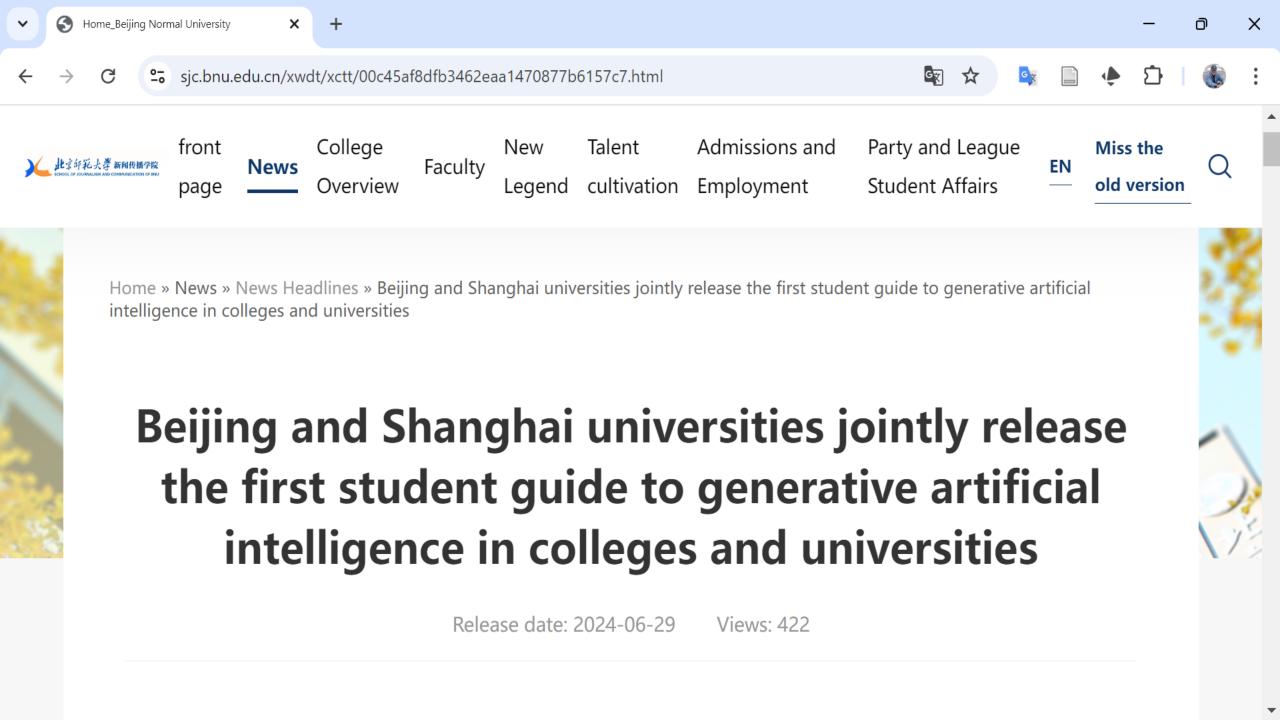
# Notice on the Management Measures for the Standardized Use of Artificial Intelligence in Undergraduate Thesis of Academic Continuing Education

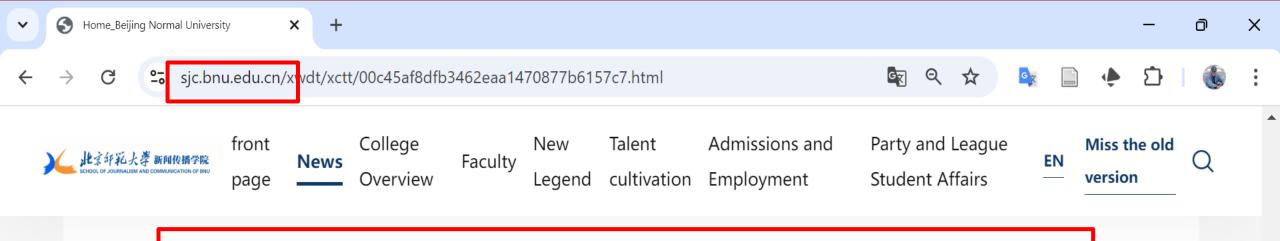
Posted by: Teaching Department Posted on: Wednesday, April 17, 2024, 15:59:23

In accordance with the spirit of the document "Notice on Strengthening the Management of Standardized Use of Artificial Intelligence in 2024 Graduation Theses (Designs)" [Undergraduate College (2024) No. 18] issued by the school

#### Hot News

- Regarding the submission of graduation thesis for the spring semester of 2023 (the Regarding the submission of graduation thesis for the fall semester of 2023). Thesis (Design) Start (Profice of Graduation Thesis Defense for Fall Semester 2022 Fall Semester Graduation Thesis (Design) Preliminary Fagarding the 2022 Fall Semester Graduation Thesis Gradua
- Latest Releases





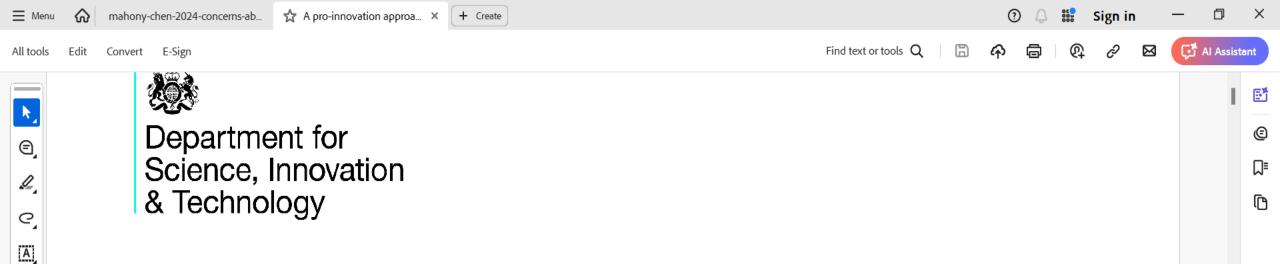
In order to standardize the use of generative artificial intelligence (AIGC) by students of the School of Communication, create a good learning atmosphere and academic environment, and cultivate high-quality innovative talents with all-round development of morality, intelligence, physical fitness, aesthetics and labor, this user guide is specially formulated in accordance with the "Guidelines for Responsible Research Behavior" of the Ministry of Science and Technology and the "Interim Measures for the Management of Generative Artificial Intelligence Services" of the Cyberspace Administration of China.

#### 1. Comply with AIGC developer usage regulations

Students engaged in AIGC development and application must understand and abide by relevant national laws, policies and ethical standards.

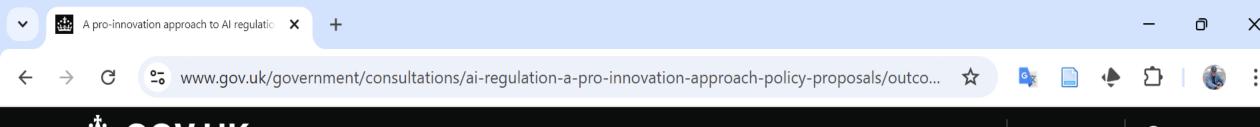
#### 2. Comply with academic ethics

Students need to abide by the academic ethics of the country, school and college when using AIGC.



# A pro-innovation approach to Al regulation

March 2023



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Home > Business and industry > Science and innovation > Artificial intelligence

> Al regulation: a pro-innovation approach – policy proposals



Department for

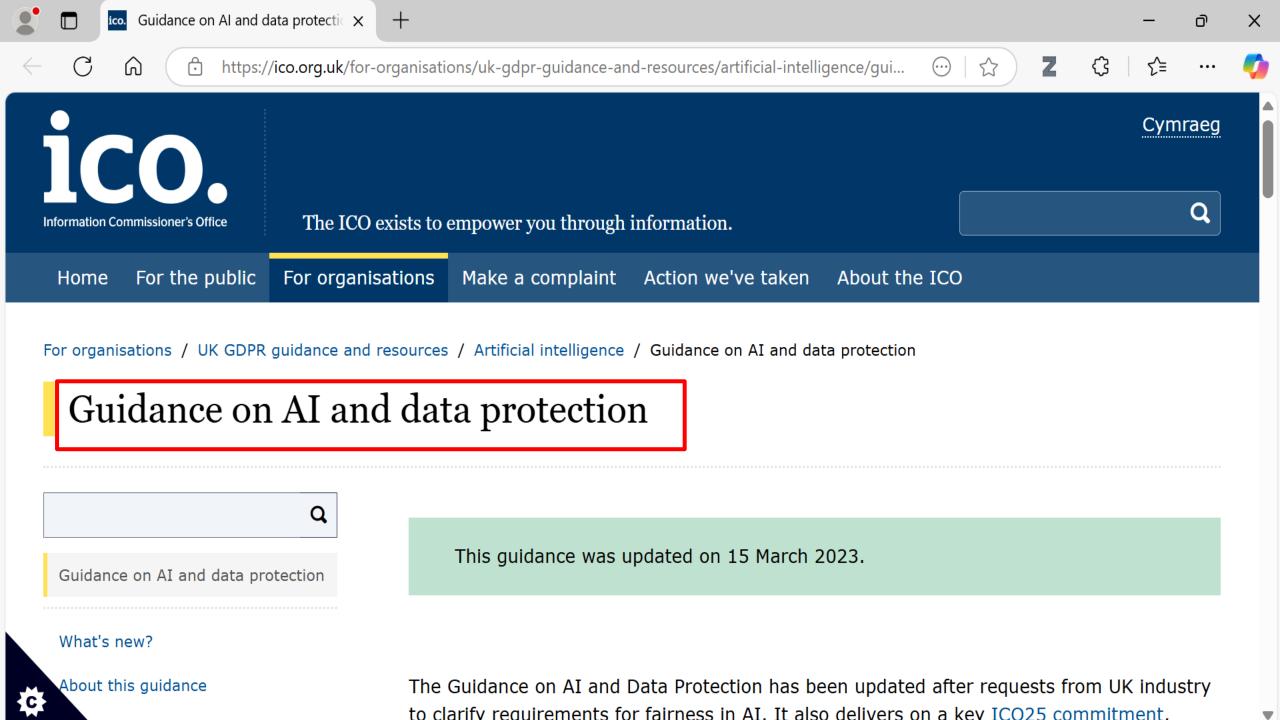
Science, Innovation

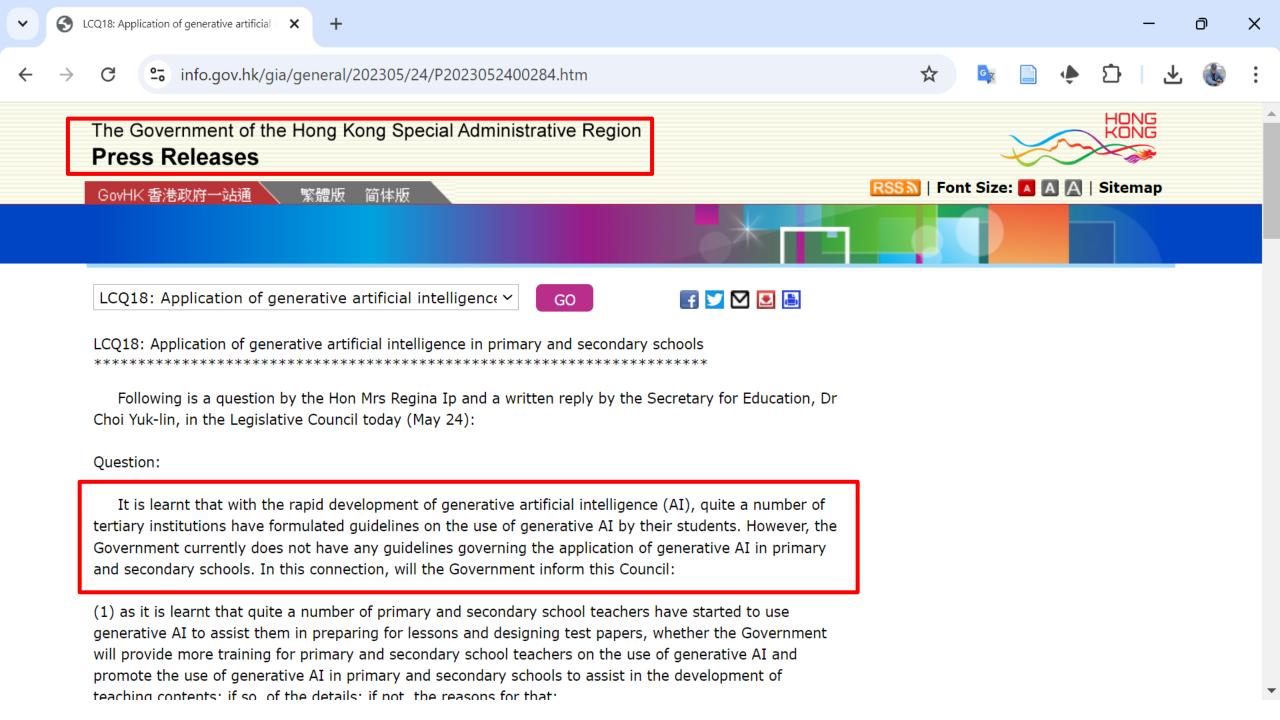
& Technology

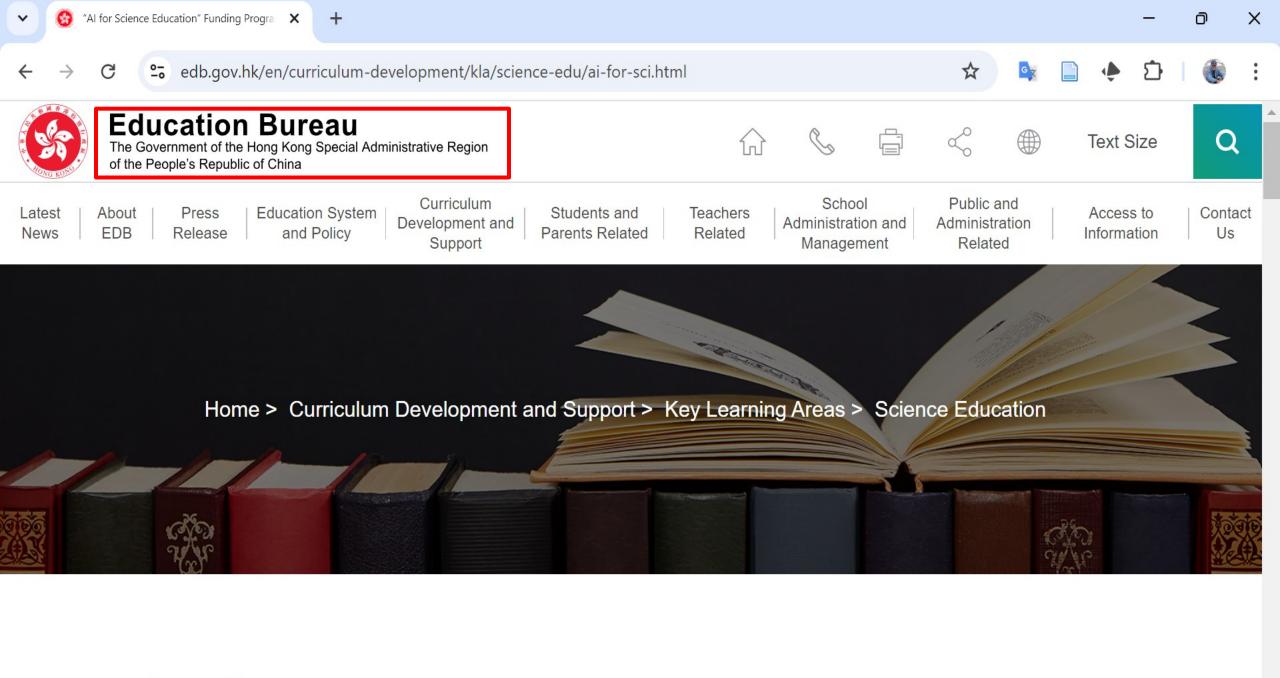
#### Consultation outcome

# A pro-innovation approach to Al regulation: government response

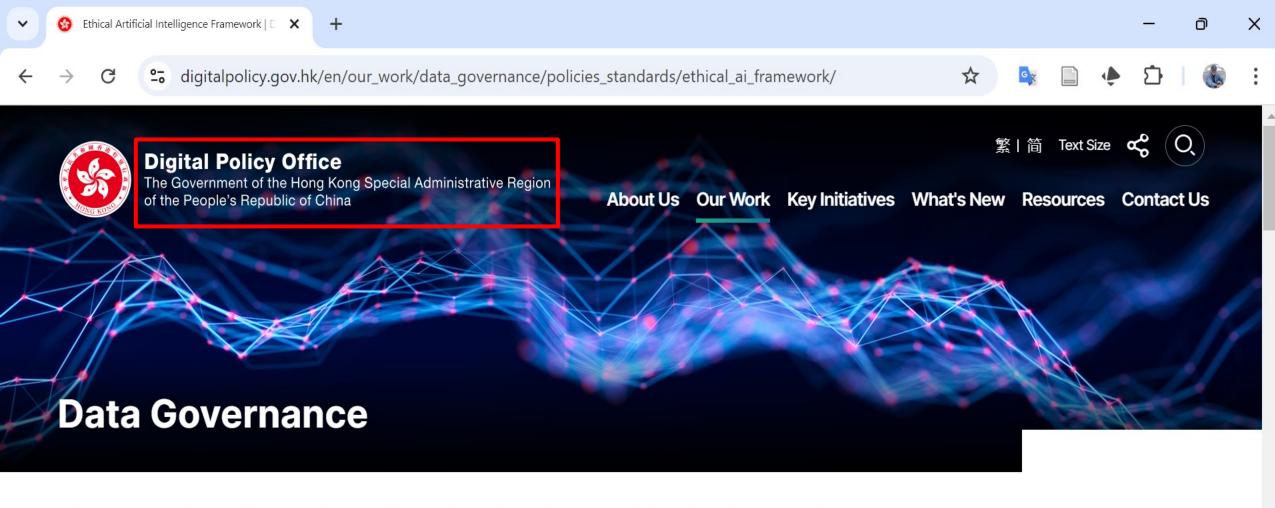
Updated 6 February 2024







### "Al for Science Education" Funding Programme



Home → Our Work → Data Governance → Enhancing Data Governance → Al and Data Ethics

### **Ethical Artificial Intelligence Framework**

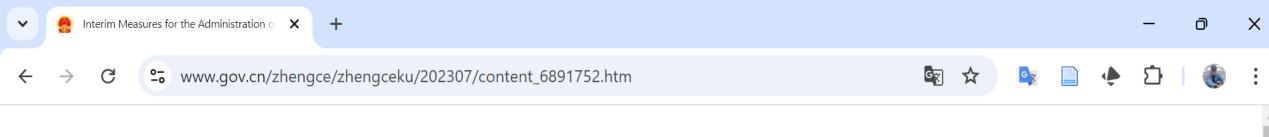
Artificial intelligence (AI) and big data analytics technologies present enormous opportunities for digital innovation and creativity to help drive smart city development, but at the same time, such technological advancement will also create various challenges. To realise the benefits and



# China moves to support generative AI, regulate applications

Updated: July 13, 2023 21:01 Xinhua =

BEIJING, July 13 -- China's internet watchdog and several other authorities, including the National Development and Reform Commission and the Ministry of Science and Technology, have jointly issued an interim regulation on the management of generative artificial intelligence (AI) services.





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Standard question: Interim Measures for the Administration of Generative Artificial Intelligence Services

Issuing authority

Cyberspace Administration of China National Development and Reform Commission Ministry of Education Ministry of Science and Technology Ministry of Industry and Information Technology Ministry of Public Security State Administration of Radio, Film and Television

Document

number:

Cyberspace Administration of China National Development and Reform Commission Ministry of Education Ministry of Science and Technology Ministry of Industry and Information Technology Ministry of Public Security State

#### [Google Chrome translation]

Come source:

National Cyberspace Administration of China website



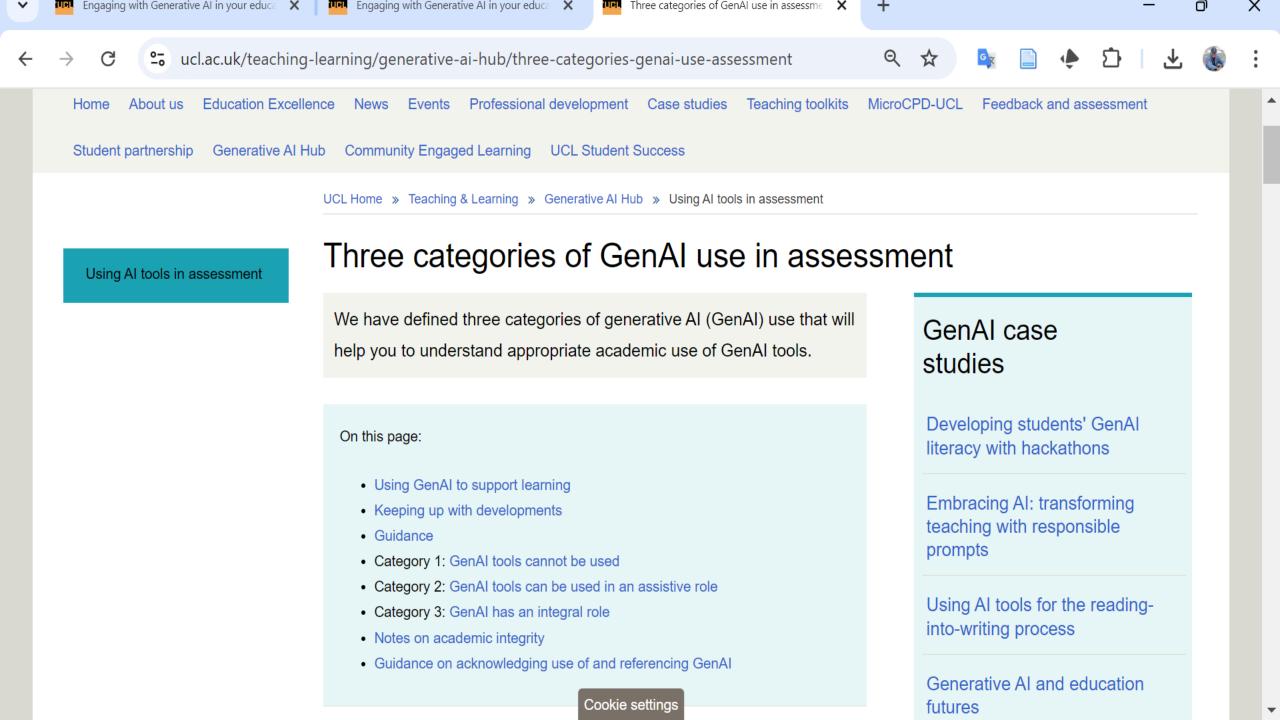
# China to formulate over 50 standards for AI sector by 2026

Updated: July 2, 2024 21:42 Xinhua

BEIJING, July 2 -- China will formulate more than 50 national and industrial standards for artificial intelligence (AI) by 2026 and develop a standard system to guide the high-quality development of the sector, according to guidelines jointly unveiled by the Ministry of Industry and Information Technology and three other government organs.

## Xinhua & Gov.cn

- The move is aimed at 'protecting the legitimate rights of citizens, legal entities and organisations' (Xinhua, 2023).
- 'Measures for Generative Artificial Intelligence Service Management' came into effect in August 2023 (Gov.cn, 2023)
- 'Generative artificial intelligence technology refers to models and related technologies with the ability to generate text, pictures, audio, video and other content.' (Gov.cn, 2023: 5.22.1).
- It also describes measures to protect people as well as business, and specifically 'to prevent discrimination based on ethnicity, belief, nationality, region, gender, age, occupation, health, etc.' (Gov.cn, 2023: 1.4.2
- The document also covers the need for training of personal, the transparency and accuracy of training data, and importantly consent for the use of any personal information (Gov.cn, 2023: 2.7).
- The measures described in this document appear go beyond just generative AI but without giving any definition beyond the one quoted above.



## **DH** Education

- Teach students to be critical of AI tools
- Digital literacy includes AI tools
- Consider bias, data
- Enhance critical thinking rather than replace it
- Equip students with ability to critically assess the use of AI tools
- Educate students about limits and use substandard generated text as examples
- Understand the implications in their own work
- Integrate AI tools into teaching
- Enhance student engagement
- Supporting learning needs
  - Special needs / Summary of Reasonable Adjustments (SORA)
  - Assisted technology / students with disabilities
- Education and communication are key to this process.

# The implications for DH pedagogy

- Generative AI is still evolving
- Consider output from a sceptical perspective
- Need to address challenges
- Introduce innovative assessments as learning
- Metacognitive reflection
- Engage students in the shaping of AI tools
- AIEd: teaching and learning with AI
  - Nothing new but now a significant change in the technology
- Opportunity to develop new tools and applications
- Build course specific GPTs
- Personalised and adaptive tutoring systems
- Be mindful of differences



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