Hong Kong Baptist University
School of Continuing Education
Teaching and Learning Central Committee

Subject : Ideas of the Use of Generative AI in Teaching

To facilitate the sharing of knowledge and best practices, the SCE Teaching and Learning Central Committee (TLCC) gathered information from course instructors (with the closing date of 1 December 2023) regarding the functions and features they have included in their teaching. The primary goals of this exercise are to promote peer learning on the use of generative AI in educational activities, inspire course instructors to incorporate this technology into their assessment tasks, and provide a convenient tool for future administration of assessment documentation. This document is purposed for **internal use** only.

FEATURES AND FUNCTIONS OF GENERATIVE AI	EXPLANATIONS OF FUNCTIONS/FEATURES
To generate texts or ideas	
Text generation	Generate topic ideas for background and literature searches; writing reflective journal and project reports.
Text generation	Generate different forms of text such as articles.
Text generation	Generate various form of text such as brainstorm ideas to design the science activity, create scientific story to engage children's learning.
Idea generation	Stimulate thinking.
Generate ideas	Explore new ideas on a particular topic.
Brainstorming	Get some ideas of the topic.
Graphic generation	To produce chart(s) / graph(s) to illustrate market data.
Dialogue generation	Engage in artificial intelligence conversations, answer questions, and chat.
Dialogue generation	Engage in AI conversation to prompt quality outcomes, clarify scientific concepts and identify children's alternative conceptions in learning science.
Stimulate thoughts	Brainstorm ideas on a general theme.
Poster / Image generation	Create layout format ideas for academic poster design and tailor-made illustrations for poster or PowerPoint presentations.
Question answering systems	Students can get ideas related to their project questions.
Question answering systems	Answer different questions, including general knowledge, technology, culture and more.
Code generation	
Image captioning	
Content generation	

To search existing resources and to make sense of knowledge	
Searching journals/scientific evidence	Generate a list of academic papers for writing the academic essay.
Find evidence	Obtain evidence to support a claim or point.
Searching research materials	Students can get the AI to generate answers reg. sources of research materials.
Key concept illustration	Understand key ideas.
Illustrate key concepts	Look for keywords for academic searches.

To review, modify or organize text inputs	
Proof-reading	Students can get the AI to correct grammatical mistakes in their works.
Grammar editing	Edit grammatical mistakes.
Paraphrasing	Clarify language and accuracy.
Text polishing	To polish English writing of the written report.
Text summarization	To summarize assigned readings.
Text summarization	Automatically extract important information and generate concise summaries from lengthy texts.
Language	Proofreading.
Text classification	Classify articles and published research findings into categories or coding of ideas based on keywords.
Text classification	Classify text into different categories such as news, advertisements, education, and more.
Data curation	To research on data and to organize & create meaningful information.
Machine translation	Translate text.
Machine translation	Translate one language to another language.
Translate texts	Translate a text from a source language to a target language.
Paraphrase texts	Rephrase a text from an external source.
Transcription	Convert audio or video recordings from interviews into text.
Improve existing ideas	Elaborate a given idea.
Grammar check	Improve syntax by reviewing grammar, spelling and punctuation errors.
Check language and accuracy	Correct language and stylistic mistakes.
Citation	Ensure proper credit of information and generate accurate referencing styles from various sources.

To organize and display ideas	
Create concept maps	Work out logic relationship between or among concepts.
Conceptual map creation	Get the writing started.

To aid specific assessment tasks and other inputs collected	
To develop research questions	
Create outline of the presentation	
Create outline of term-end paper	
To explain concepts	
Specified functions are not yet mentioned	State the effective, ethical and legal use of technology is encouraged, facilitating critical thinking and quality of course work.

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