

THE CHINESE UNIVERSITY OF HONG KONG
Funding Scheme for Promoting Innovative Technology in Education
(Supported by the Fund for Innovative Technology-in-Education 2023-26)

List of Projects

No.	Project Title	Principal Supervisor(s) and Faculty/ Department/ Unit	Co-supervisor(s) and Faculty/ Department/ Unit	Theme	Focus Area(s)	Project Duration	Amount Awarded (HK\$)
Programme-level Projects							
Centre for Learning Enhancement And Research							
1	AILEAP: AI Literacy Enhancement for Academic Progress	Professor LAM Lai Chuen Paul (Centre for Learning Enhancement And Research) Professor KING Kuo Chin Irwin (Department of Computer Science and Engineering) Professor MCMANUS Stuart Michael (Department of History) Dr. WONG Kwong Cheong (Data Science and Policy Studies Programme)	Dr. KWOK Pak Ki Alex (Data Science and Policy Studies Programme)	2. Advancing digital competency for all	- eLearning (including multimedia learning, technology-enhanced learning) - professional development - online/blended teaching and assessment	1 year & 9 months (8 May 2024 - 7 Feb 2026)	299,969
2	The Use of Educational Technology on Universal Design for Learning: A Proposal Using the UNESCO Framework at the Chinese University of Hong Kong	Professor LEE Wing Yan Vivian (Centre for Learning Enhancement And Research)	Professor Lam Yu Hin Gary (Department of Educational Psychology) Ms. Lo Tsui Sim Judy (Information Technology Services Centre)	1. Driving transformation in pedagogies, curriculum, assessment and student development	- student engagement and student learning needs - SEN students - student learning and experience	2 years & 3 months (1 Apr 2024 - 30 Jun 2026)	300,000
Faculty of Arts							
3	Reimagining Chinese Language Teaching in the AI Era: A Comprehensive Professional Development Plan for the Chinese Language Teaching Team	Dr. LAI Pit Shun (Department of Chinese Language and Literature)	Professor LAM Lai Chuen Paul (Centre for Learning Enhancement And Research) Dr. CAI Xuanhui (Department of Chinese Language and Literature) Dr. KWOK Kim Fung (Department of Chinese Language and Literature) Dr. NG Ka Yi (Department of Chinese Language and Literature)	2. Advancing digital competency for all	- professional development - curriculum design - quality assurance	1 year & 3 months (15 Mar 2024 - 14 Jun 2025)	96,457
Faculty of Business Administration							
4	Enhancing Student Advising through AI: A Collaborative Approach by CUHK Business School and CLEAR	Dr. KU Kei Tat Fred (Department of Decisions, Operations and Technology)	--	2. Advancing digital competency for all	- academic advising - student engagement and student learning needs - student learning and experience	2 years & 5 months (31 Jan 2024 - 30 Jun 2026)	299,020

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Faculty of Education							
5	Promoting Student Learning and Engagement Through AI Chatbots: Harnessing Insights from Cognitive and Motivation Sciences	Professor KING Ronnel Bornasal (Department of Curriculum and Instruction)	Professor LEE Wing Yan Vivian (Centre for Learning Enhancement And Research) Dr. WAN Wai Yan Sally (Department of Curriculum and Instruction) Professor CHIU Kin Fung Thomas (Department of Curriculum and Instruction) Professor CHAI Ching Sing (Department of Curriculum and Instruction)	1. Driving transformation in pedagogies, curriculum, assessment and student development	- eLearning (including multimedia learning, technology-enhanced learning) - teaching and learning activities - curriculum design	2 years (10 May 2024 - 9 May 2026)	294,617
Faculty of Engineering							
6	Enhancing AI Video Interview System (Tellus) with a Questions Generator	Professor KING Kuo Chin Irwin (Department of Computer Science and Engineering)	--	4. Fostering academia-industry collaboration for authentic learning experience	- student engagement and student learning needs - student learning and experience - professional development	1 year (1 Apr 2024 - 1 Apr 2025)	300,000
7	Artificial Intelligence (AI) Companion	Professor LEE Pak Ching Patrick (Department of Computer Science and Engineering) Dr. KAM Ho Chuen Calvin (Department of Computer Science and Engineering) Dr. QURESHI Umair Mujtaba (Department of Computer Science and Engineering)	<u>Centre for Learning Enhancement And Research:</u> Professor CHUN Ka Wai Cecilia <u>Department of Computer Science and Engineering:</u> Dr. CHAU Chuck Jee Dr. CHEONG Chi Hong Mr. CHEUNG Yuk Kin Jackey Dr. CHUI Yim Pan Wystan Mr. FUNG Ping Fu Michael Dr. JIANG Yuli Mr. KEUNG Wai Yiu Oliver Dr. LAM King Tin Dr. LAW Yat Chiu Mr. MAK Wai Ho Wallace Dr. SUM Kwok Wing Anthony Dr. TSANG Siu Chung Colin Dr. YU Ruisi Michael <u>Office of University General Education:</u> Dr. LAI Chi Wai Kevin Dr. SZETO Wai Man Dr. LO Chun Yeung Edwin <u>Department of Computer Science, HKBU:</u> Dr. UMAIR Zuneera	2. Advancing digital competency for all	- eLearning (including multimedia learning, technology-enhanced learning) - student learning and experience - pedagogy	1 year & 6 months (1 May 2024 - 1 Nov 2025)	299,888

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8	Development of Experiential and Authentic Learning Module for Training Talents in Photonic Integrated Circuits	Professor HUANG Chaoran (Department of Electronic Engineering)	Professor TSANG Hon Ki (Department of Electronic Engineering, CUHK) Professor SHU Ching Tat Chester (Department of Electronic Engineering, CUHK) Dr. ZHANG Honghui (General Education Division, CUHK(SZ)) Professor XIANG Chao (Department of Electrical and Electronic Engineering, HKU)	4. Fostering academia-industry collaboration for authentic learning experience	- experiential learning - professional development - outcomes-based approach (OBA)	2 years & 5 months (1 Feb 2024 - 30 Jun 2026)	250,876
9	An Academia-Industry Collaboration for Systematic LLM Education: Hands-on Experiences and Co-Training Opportunities	Professor LIEW Soung Chang (Department of Information Engineering)	--	4. Fostering academia-industry collaboration for authentic learning experience	- experiential learning - professional development - student learning and experience	1 year (1 Jun 2024 - 1 Jun 2025)	274,000
Faculty of Medicine							
10	Virtual Patient: An Interactive Simulator of Clinical Training in Chinese Medicine	Dr. CHAN Sze Nga Sarah (School of Chinese Medicine) Miss HUNG Hing Yu (School of Chinese Medicine) Mr. SIU Sheung Yuen Shane (School of Chinese Medicine)	Dr. LIONG Ching (School of Chinese Medicine) Professor FU Wenshu (School of Chinese Medicine)	1. Driving transformation in pedagogies, curriculum, assessment and student development	- engagement of students in T&TD - teaching and learning activities - eLearning (including multimedia learning, technology-enhanced learning)	1 year & 3 months (10 May 2024 - 9 Aug 2025)	300,000
11	Development of Digital Competency in Advanced Nursing Practice: Integration of Artificial Intelligence in Health Education	Dr. AHMAT Ricky (The Nethersole School of Nursing) Professor TANG Wing Ki Fiona (The Nethersole School of Nursing)	Mr. YAU Pak Kin George (The Nethersole School of Nursing) Professor SO Kwok Wei Winnie (The Nethersole School of Nursing)	2. Advancing digital competency for all	- experiential learning - student learning and experience - student engagement and student learning needs	2 years & 3 months (1 Apr 2024 - 30 Jun 2026)	294,841
12	Promoting Digital Competency for Nursing Students to Use Artificial Intelligence-based Technologies: A Sequential Mixed-methods Design	Professor LAU Ying (The Nethersole School of Nursing)	Professor LEE Wing Yan Vivian (Centre for Learning Enhancement And Research)	2. Advancing digital competency for all	- survey research and evaluation - student learning and experience - professional development	1 year & 11 months (8 May 2024 - 7 Apr 2025)	299,978.6
Faculty of Science							
13	Using AI Feedback on Written Tasks to Assist Undergraduate Students in Statistics and General Education Courses in Developing Data and Statistical Literacies Skills	Dr. CHAN Chun Man (Department of Statistics) Dr. CHEUNG King Chau (Department of Statistics) Dr. WONG Tat Wing (Department of Statistics)	Dr. WONG Kin Chi (Centre for Learning Enhancement And Research)	2. Advancing digital competency for all	- assessment - general education - online/blended teaching and assessment	1 year & 3 months (1 Mar 2024 - 31 May 2025)	234,907

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Faculty of Social Science							
14	Enhancing AI in Education by Exploring 3D Scanning, Body Tracking, and Point-Cloud Generation	Mr. FINGRUT Adam (School of Architecture)	YU Boyuan (School of Architecture - PhD student) LI Yangzhi (School of Architecture - PhD student) ALTUN Sevgi (School of Architecture - PhD student)	2. Advancing digital competency for all	- student learning and experience - experiential learning - professional development	2 years 6 months (1 Jan 2024 - 30 Jun 2026)	300,000
15	Developing a Gender 'Conscious' AI-assisted Chatbot for Learning Social Statistics (Part I: Elementary Level)	Professor HAN Siqi (Department of Sociology)	Dr. LEE King Wa Kent (Department of Sociology)	2. Advancing digital competency for all	- eLearning (including multimedia learning, technology-enhanced learning) - online/blended teaching and assessment - pedagogy	2 years (2 May 2024 - 1 May 2026)	299,980
Course-level Projects							
Faculty of Arts							
16	Building Digital Literacy in the Arts and Humanities	Professor WONG Ashley Lee (Department of Cultural and Religious Studies)	--	4. Fostering academia-industry collaboration for authentic learning experience	- professional development - student learning and experience - curriculum design	2 years & 5 months (1 Feb 2024 - 30 Jun 2026)	150,000
17	Enhancing Digital Competency for Fine Arts Department	Professor YIM Siu Fong (Department of Fine Arts)	Professor VIGNERON Frank Joseph E. (Department of Fine Arts)	2. Advancing digital competency for all	- eLearning (including multimedia learning, technology-enhanced learning) - teaching and learning activities - experiential learning	1 year & 6 months (1 Jun 2024 - 1 Dec 2025)	149,908