



The Launching Ceremony of Artificial Intelligence
Research and Education Alliance (AIREA)



The Conference on Learning and
Teaching 2025 (ICLT 2025)



The 2nd EdUHK x HKUST
International Conference on
AI and Education (AIEdU2025)



Artificial Intelligence Research and Education Alliance (AIREA)

The 1st AI and Education Forum cum Launching Ceremony of Artificial Intelligence Research and Education Alliance (AIREA)

EdUHK has established the AIREA to enhance global collaboration on research, drive innovation, and advance AI technologies in the education sector, fostering a more inclusive and responsible AI research and education ecosystem. The 1st AI and Education Forum cum Launching Ceremony of AIREA was successfully held on 16 September 2024, inviting guest speakers from The Hong Kong University of Science and Technology, Tsinghua University, The University of Macau and experts from EdUHK to deliver talks and witness the event.



- Group photo of delegates and invited speakers of AIREA 1st AI and Education Forum cum the Launching Ceremony of AIREA (From left to right: Dr. Henry So Chi Fuk, Dr. Gary Cheng Kwok Shing, Professor Xu Guandong, Professor Zhang Min, Professor John Lee Chi-Kin, Professor May Cheng May-hung, Professor Lionel Ni Ming-shuan, Professor Gong Zhiguo, Professor Looi Chee Kit and Mr. Edmond Kuo Hoi)



- Group photo of delegates, speakers and participants on the Launching Ceremony of AIREA
- Welcoming address by Professor John Lee Chi-Kin, President of EdUHK



- Opening remarks by Professor May Cheng May-hung, Vice President (Academic) of EdUHK

- Opening remarks by Professor Xu Guandong, Assistant Vice President (AI and Education Innovation) and Director of UDSAI, EdUHK



- Panel discussion titled "Navigating AI in Education: Opportunities and Challenges" moderated by Professor Xu Guandong



AIREA International Competition on AI in Education 2025 cum the 2nd AI and Education Forum

Building on the success of the 1st forum, the 2nd forum was held on 22 November 2024, featuring distinguished guest speakers from academia and industry of Mainland China, Hong Kong, the United Kingdom, Sweden and Qatar. The Competition was announced to launch at the forum, which invites students, educators, learners, researchers, and industry professionals to showcase their AI-based solutions, address key challenges, and unlock opportunities in education. The event attracted 198 participants from EdUHK and other higher education institutions. More forums, workshops, and seminars will be held continuously to explore the boundless potential of AI in education.



- Professor Xu Guandong welcomes all the distinguished speakers and participants



The 3rd AI & Education Forum of AIREA

The 3rd AIREA AI and Education Forum, organised by the LTTC and co-organised by Central China Normal University (CCNU), was successfully held on 16 May 2025 at CCNU in Wuhan. Centred around the theme “Opportunities and Challenges in Education in the Age of Artificial Intelligence”, The Forum attracted over 300 experts, scholars, and students from both domestic and international backgrounds, receiving a highly positive reception.



- Professor Xu Guandong delivers a keynote speech entitled 「人智共创教育创新」



- Panel discussion titled “Opportunities and Challenges of Education in the AI Era” moderated by Professor Xu Guandong (From left to right: Professor Xu Guandong, Professor Niels Pinkwart, Associate Professor Jon Mason, Professor Lam King Sum Frankie, Professor Dong Mianxiang and Professor Luo Heng)





AIREA International Competition on Artificial Intelligence in Education 2025

The AIREA International Competition on AI in Education 2025 Pitch Day and Award Presentation Ceremony was held successfully on 17 June, 2025 (for School Category) and 20 August, 2025 (For Higher Education and Open Categories). The competition was met with great enthusiasm, with over 200 submissions from more than 20 countries and regions around the world. After rigorous evaluation, 63 teams advanced to the finals and were invited to the Final Pitch Days to present their innovative AI solutions. Through innovative solutions and collaboration, the participants and their artefacts demonstrated how AI can drive meaningful applications, changes and impacts in the education field.



School Category



Higher Education
Category



Open Category



- EdUHK professors and distinguished guests present the championship to School of Science and Technology, Singapore (Stream 1)



- EdUHK professors and distinguished guests present the championship to Ying Wa Primary School, Hong Kong (Stream 3)



• EdUHK professors and distinguished guests present the championship to Shatin College, Hong Kong (Stream 2)



• EdUHK President Professor John Lee Chi-Kin and judges presented the awards to the winners



The 2nd EdUHK x HKUST Joint International Conference on AI and Education (AIEdu2025)

The 2nd EdUHK x HKUST Joint International Conference on AI and Education (AIEdu2025) was held onsite at EdUHK from 20 - 21 August, 2025. This year's theme, "Learning and Teaching for Future Readiness," was explored through five key strands:

- Challenges and Opportunities of AI in Higher Education and Vocational Training
- AI-Enhanced K-12 Education: Challenges and Potential
- Learning Outcomes and AI-Driven Assessments
- Innovating Curriculum and Pedagogy through AI
- Societal and ethical issues in AI-empowered Education

The conference received over 50 submissions from 108 authors from mainland China, Hong Kong, Indonesia, Kuwait, Malaysia, Russia, Taiwan, the United Arab Emirates, the United States, Vietnam, and some other regions. Following the rigorous evaluation, a total of 50 papers were accepted for presentation at AIEdu2025.

The conference program consisted of 3 keynote speeches, 2 panel sessions, 1 education forum, and 8 paper presentation sessions, attracting more than 150 onsite participants. Positive feedback was received from attendees, underscoring the event's impact on the field.

Learning Analytics Seminars

As the significance of learning analytics continues to grow, the LTTC has organised a series of seminars and workshops to equip colleagues with essential knowledge in this field. These events are designed to enhance understanding and facilitate the effective utilisation of learning analytics to improve teaching and learning outcomes.



6 November 2024
Dr. Dennis ALONZO
University of New South Wales
(UNSW), Australia
**Innovative Assessment and
Assessment for Learning**



10 April 2025
Dr. Katrine K. Wong
University of Macau
**Process over Product:
Rethinking Assessment**



25 April 2025
Dr. Elizabeth KOH
Nanyang Technological University,
Singapore
**Learning Analytics for Formative
Feedback: Case**

Learning Analytics Workshops

During the 2024/25 academic year, a total of 7 workshops were conducted, attracting 83 academic/teaching staff.

The topics of the workshops included:

- Tracking Student Activities on Moodle with IntelliBoard Reports and Behaviour Analytics
- Exploring Smart Learning with FeedbackFruits on Moodle
- Enhancing Collaboration and Engagement with Feedback Fruits on Moodle
- Integrating Assessment and Feedback with Feedback Fruits on Moodle

Guidelines on Using GenAI Tools

The University acknowledges the increasing significance and contribution of generative AI tools in enhancing teaching, learning, and assessment effectiveness. Academic and teaching staff are responsible for determining the permissibility of generative AI tools in course assessments and must communicate this clearly to students at the start of the course. Colleagues are encouraged to guide students on the responsible and ethical use of these tools, providing clear instructions, relevant requirements, and any applicable restrictions to uphold academic integrity.

The guidelines and related resources are now available for colleagues and students. Please scan the QR codes to access further details.



For Staff



For Students

Generative AI in Learning and Teaching Seminars

As the growing significance of Artificial Intelligence (AI) in education, the University is continuing to commit to not only harnessing AI technologies and teaching experiences, but also enhancing assessment design. The university is also dedicated to sustaining AI literacy among both staff and students, acknowledging its importance in current educational circumstances.



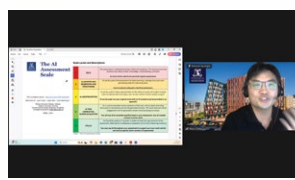
9 October 2024
Professor Raian ALI
Hamad Bin Khalifa University, Qatar
**Technology and Human Behaviour
in the Age of AI:
Where Psychology Meets Design**



25 November 2024
Professor Marcelo MILARD
Linnaeus University, Sweden
**Artificial Intelligence in Education:
A Historical Perspective and the
Transformative Potential of
Generative AI**



20 March 2025
Dr. Collier NOGUES
The Chinese University of
Hong Kong
**Co-creating with Generative AI:
Cultivating Student Agency and
AI Literacy**



17 October 2024
Dr. Winn CHOW
The University of Melbourne,
Australia
**Generative AI in Education:
Unpacking the How and Why**

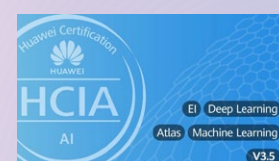
Huawei ICT Academy Courses

The Education University of Hong Kong's Learning, Teaching and Technology Centre (LTTC) is a partner institution of Huawei ICT Academy. As a Huawei ICT Academy, LTTC further enhances its commitment to professional learning and development by offering specialized training programmes. EdUHK participants benefit from hands-on courses, simulated exams, and the unique opportunity to receive free examination vouchers for the internationally recognized HCIA certification upon completion of their training.

In the 2024/25, LTTC successfully organized the following Huawei ICT Academy courses, empowering learners with essential digital competencies for the future:

- Artificial Intelligence Technology and Applications (43 students and staff)
- openEuler Engineer Course (28 students and staff)

Through this collaboration, LTTC and Huawei ICT Academy are equipping the next generation of educators and students with the skills and credentials needed to thrive in an increasingly technology-driven world.



Huawei ICT Competition 2024-2025

Kadirbergenuly NURTAS and WANG, Yun Wen, Year 1 students from the BSc in Artificial Intelligence & Education Technology, together with WONG, Fat Shing, a Year 3 student from BEd(S)-Information and Communication Technology, have achieved notable recognition by winning the "Potential Award" at the Huawei ICT Competition 2024-2025. In addition, EdUHK was honoured with the "Contribution Reward" from the competition, further highlighting the university's commitment to excellence in the fields of technology and education.



- From left to right: Professor Li Wai Keung, Wong Yiwen, Wong Fat Shing

Apple Technology Seminars and Workshops

The Centre for Learning, Teaching, and Technology (LTTC) at EdUHK is excited to announce a groundbreaking collaboration with Apple, dedicated to transforming education through innovative technology. By establishing the Apple Regional Training Centre (RTC), this partnership underscores a shared commitment to fostering creativity, accessibility, and digital skills among educators and students.

Recognized as an Apple RTC, LTTC strengthens its role in professional learning and development, equipping educators with the tools and expertise to integrate Apple's powerful hardware and intuitive software into dynamic, inclusive learning experiences that inspire student success. Many sessions of collaborative seminars and workshops with certificates attracted 105 participants and were held in EdUHK and Apple HK as follows.



A total of 8 workshops were conducted on Apple Technology:

- Apple iOS App Development: Coding with Swift Playgrounds
- Interactive AR Game Design and Development Using iOS Reality Composer
- Apple Professional Learning Specialist Workshop: Empowering Future Educators
- Spatial Computing Development with Apple Technology
- Use of Generative AI on Apple Silicon: Influencing LLM on Mac locally



LTTC LLM Studio Workshops

The LTTC LLM Studio was established in 2024 to address the increasing need to adopt and apply LLM in educational activities. The studio provide the following services in 2024/25:

Regular workshops

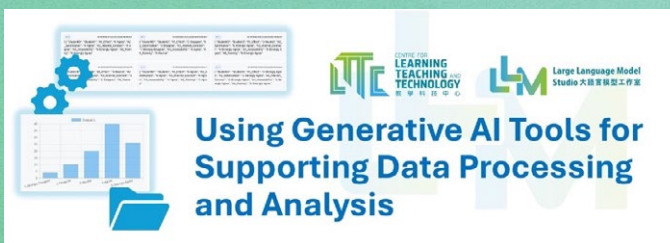
Introductory level

Using Generative AI Tools for Supporting Academic Research and Writing (text-based, EdUHK ChatGPT, Scite)



Intermediate level

Using Generative AI Tools for Supporting Data Processing and Analysis (Excel worksheets, interview scripts)



Advanced level

Integrating Multiple Generative AI Tools to Design Smart Workflows for Learning and Teaching



Joint Workshops with Industrial Leaders (Apple, Google, Baidu, Tsinghua Zhipu)

The LTTC LLM Studio has held several workshops in partnership with industry leaders, including Apple (Apple Intelligence, OpenML), Google (Gemini), Baidu (ERNIE Bot, PaddlePaddle), and Tsinghua Zhipu AI (ChatGLM and BigModel). These sessions covered a range of topics, including LLM-based solutions in education, user-friendly platforms for non-technical users to develop AI applications with low barriers to entry, and the local deployment of LLMs on personal computers.



A Thematic Workshop on DeepSeek

A special thematic workshop, “DeepSeek thinking with You: Exploring the Art of Cognitive Simulation in Reasoning LLMs”, delivered by Professor Xu Guandong, provided an in-depth analysis of emerging technologies adopted by DeepSeek models and shared their advantages for use in various educational scenarios.



A Series of LTTC LLM Studio Workshops: Empowering Students and Staff with AI to Drive Productivity and Innovation



Level	No.	Workshop Titles	For Staff	For Students
Introductory	1	Enhancing Productivity with AI for Document Preparation	3	3
	2	Leveraging AI for Graphic Design	2	3
Intermediate	3	Using AI Tools for Supporting Data Processing and Analysis	2	3
	4	Developing and Implementing AI Chatbots	2	2
	5	Exploring Smart Learning with FeedbackFruits on Moodle	2	N/A
Upper Intermediate	6	Employing AI for Automated Quiz Generation	2	2
	7	Utilizing AI for Webpage Creation	1	1
Advanced	8	Developing GenAI-empowered Customised Workflows	1	1
Sub-total			15	15
Total			30	



LTTC LLM Studio MaaS Platform

LTTC LLM Studio launches a localised Model-as-a-Service (MaaS) platform at EdUHK on <https://maas.eduhk.hk> to unleash generative AI-powered creativity for staff and students, from blueprints to to practice.

A Low-threshold GenAI Creativity Platform

This platform is based on the opensource FastGPT platform and is locally deployed on the EdUHK campus. It enables non-technicians to create their knowledge bases, customize applications, and transform ideas into applications effortlessly, empowering teaching, learning, and innovation for everyone.

Users can build AI applications and workflows in minutes using a visual interface that requires no coding, simply by dragging and dropping. These AI creations can then be flexibly shared and published with customizable options. EdUHK staff and students can use their EdUHK Microsoft accounts directly for a streamlined login experience.

Integration of Various LLMs, RAG, and MCP

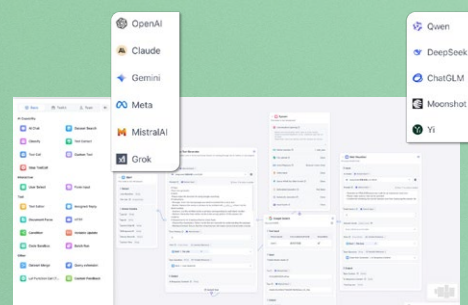
LTTC LLM Studio MaaS Platform offers various LLM integrations, supporting over 20 LLMs, including DeepSeek, xAI Grok, OpenAI GPT, Anthropic Claude, Google Gemini, ChatGLM, and Qwen series. Users have the flexibility of a paid-token option for high-speed and larger context, or a free-token option for exploration.

The platform features Retrieval Augmented Generation (RAG) Pipelines. It enables users to effortlessly create and manage knowledge bases with automated training and synchronization from uploaded documents or web pages. Model-Context-Protocol (MCP) tools allow AI agents can retain and utilize contextual information from existing tools and sources (e.g., Google, Wikipedia, etc.).

The various LLMs, RAG and MCP strategies provide further potential and possibility to optimise your AI workflow design to have better performance in superior context understanding and long-term task efficiency.

The following cases have adapted the LLM tools in 2024/25:

- Multiagent Discussion Assistant by Professor Xu Guandong and Dr. Yang Yu
- Personalised adaptive learning system by Professor Yan Zi
- Chinese handwriting recognition system by Dr. Henry So
- Leveraging Metaverse for Promoting Data Security and Privacy Awareness by Dr. Fu Hong
- Utilizing Digital Gamification to Promote Academic Integrity and the Ethical Use of Artificial Intelligence in a Virtual Space by Dr. Fu Hong



Virtual Learning and Teaching Seminars and Workshops

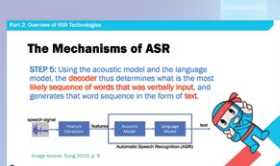
5 seminars and workshops were organised on Virtual Learning and Teaching (VTL), with cooperating with speakers from overseas and local universities.



10 October 2024
Dr. Douglas MCCAUSLAND
 San Francisco Conservatory of Music, United States
Exploring Higher-Order Ambisonics as a Creative Tool



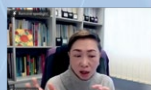
17 October 2024
Dr. Jac LEUNG
 Hong Kong University of Science and Technology
Applying Generative AI to Promote Active Learning



24 January 2025
Ms Christy CHAN, Dr Pauli LAI
 City University of Hong Kong, The Hong Kong Polytechnic University
Opportunities and Limitations of ASR Tools in Pronunciation Assessment



27 January 2025
Ms Carrie K.Y. CHENG
 The Chinese University of Hong Kong
Unlocking the Possibilities of Virtual Reality in Education: Strategies and Recommendations for Enriching Immersive Learning Experiences



27 June 2025
Mr Edward CHOI
 The Institute of Artificial Intelligence
Introduction to AI, AI-Powered Interviews, and Immersive Coaching Tools



Metaverse Workshops

As Extended Reality (XR) and Generative Artificial Intelligence (GenAI) continue to advance, LTTC is committed to harnessing the transformative capabilities of GenAI to craft compelling 3D contents, thereby delivering immersive virtual learning environments that empower and engage all EdUHK stakeholders. The AI-empowered metaverse developed by LTTC has been shortlisted in the Reimagine Education Awards.



The LTTC has offered workshops to provide:

- (1) experience of learning environment in thematic metaverse (i.e., using PC, iPad and VR headset);
- (2) basic operations and features of Metaverse;
- (3) the design and creation of metaverse environment in the online editor; and
- (4) development of virtual learning environments using the professional game engine

A total of 400 students and staff participated in the Metaverse workshops:

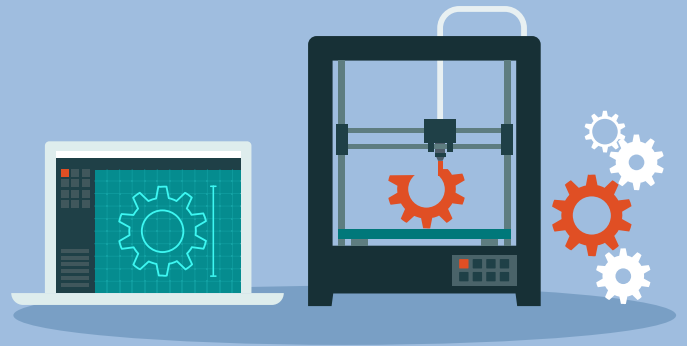
- Mastering Data Security and Ethical use of AI using Virtual Learning
- Fostering Academic Integrity and Ethics in the AI Era: Experiences in an Immersive Gamified Metaverse
- Crafting Virtual Environments in the Metaverse
- Teaching in the Metaverse Classroom Using Spatial
- Creating Gamified Metaverse with Advanced Approaches for Educational Use





3D Printing Workshops

By introducing the fundamentals of 3D model creation and additive manufacturing, as well as highlighting the precision and versatility of modern fabrication techniques, the LTTC has offered workshops with hands-on practice. In workshops of “Introduction to 3D Printing with Generative Design”, user-friendly tools like Tinkercad and advanced platforms such as Fusion 360 with AI-powered generative design were introduced to participants developing innovative solutions for educational and professional contexts. The workshops also explored Fused Deposition Modeling (FDM), enabling attendees to integrate cutting-edge design principles into their work. There were 7 sessions of the workshop organised with 68 participants.



CAVE Workshops

The CAVE Automatic Environment (VR CAVE) at the EdUHK is the largest immersive VR environment in Hong Kong, providing 360-degree interactive projections and allowing multi-player interactions. 4 sessions of the workshop on “Creating 360 Virtual Tours for Teaching in VR-CAVE” were organised with 52 participants.



Video Production

In the 2024/25 academic year, the LTTC has continued to offer support for video production training for both students and academic/teaching staff. 7 workshops on Panopto and Clipchamp, the centrally supported video platform by EdUHK and an online video editing tool, were conducted, attracting a total of 126 teachers in utilising videos as teaching and learning materials and facilitating student submissions.

Additionally, the video production room (E-P-16), equipped with a state-of-the-art audio-visual system, lighting equipment, and an IR tracking camera, was utilised for 2 workshops with 15 participants, specifically designed to train users in creating high-quality learning materials.

There are 9 workshop sessions organised with a total number of 126 participants:

- Using Panopto for Lecture Videos and Analytics
- Using Panopto for Editing Video and Quiz
- Using Panopto for Discussion and Distributing Panopto Video via Moodle
- Creating Standard Talking Head / Screencast Presentation
- An Overview of Educational Tools for Online Interactive Teaching and Learning (with Introduction to Clipchamp)

Learning and Teaching @EdUHK Festival

Learning and Teaching for Future Readiness

1 Feb - 31 May 2025

ICLT
2025



International Conference on
Learning and Teaching 2025
21 - 23 May 2025

Theme-based Seminars

Poster Board Exhibition

Open Class Observation

Student Sharing

Video Showcase

Learning and Teaching @EdUHK Festival was held from 1 February to 31 May 2025. 4 theme-based seminars, 14 open class observations, 4 video showcases, an exhibition of 6 poster boards, an undergraduate student sharing session and a postgraduate student sharing session were organised during this period. The 4 Theme-based Seminars, Undergraduate Student Sharing Session and Postgraduate Student Sharing Session attracted 104, 49 and 70 participants respectively.



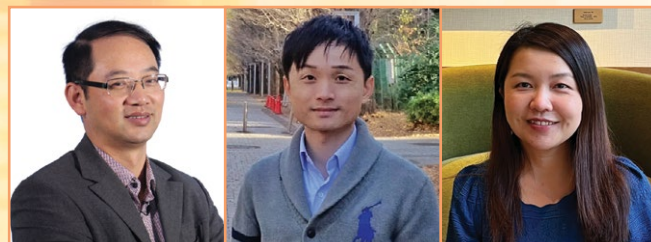
Theme-based Seminars



25 March 2025

**Professor YEUNG Chi-ho Bill,
Dr. MA Qing Angel,
Dr. Alfredo BAUTISTA**

Graduate School,
The Education University of Hong Kong
Good Practices in Doctoral Supervision



15 April 2025

**Professor WANG Lixun,
Dr. LEE Kwing Lok Albert,
Dr. LI Zhen Jennie, Dr. LIAO Xian**

Faculty of Humanities
The Education University of Hong Kong
**Fostering Inclusivity and Academic Success:
Enhancing Support for Non-Local Students in
the Faculty of Humanities at EdUHK**



13 May 2025

Dr. CHAN Chi Lok, Lawrence
Faculty of Education and Human Development,
The Education University of Hong Kong
**Supporting Non-local Students to Have
a Fulfilling University Experience**



15 May 2025

Dr. CHAN Tse Tin David
Faculty of Liberal Arts and Social Sciences,
The Education University of Hong Kong
**Academic Advising and Support
for Non-Local Students:
Experiences from MIT and the
BSc(AI&EdTech) Programme**

Open Class Observation

Faculty of Education and Human Development (FEHD)

- Facilitating the Transition from Learning to Read to Reading to Learn in Early Childhood Education Settings by Dr. LAW Kit Ying Katie (ECE)
- Blended Learning and Self-direct Learning by Dr. HO Chun Sing Maxwell (EPL)
- 與公平相關的教育課題 by Dr. CHENG Tak Lai Mic (IE)
- Behaviorism and Cognitive Perspective by Dr. MA Ka Yin Lawrence (PS)
- Understanding Career Development through Social Cognitive Career Theory (SCCT) by Mr. TSUI Yan Cho Joe (SEC)

Faculty of Liberal Arts and Social Sciences (FLASS)

- Music Pedagogy: Creative Musicking – The Orff Approach by Ms. WONG Wai Ching Zerlina (CCA)
- Awareness of Sport Performance by Dr. WONG Ming Yu Claudia (HPE)
- Creating a Rock Paper Scissors Game with Python: Exploring Randomization and Lists by Dr. BAI Shurui Tiffany (MIT)
- Visualization of Science Phenomenon – 3D Visualization by Dr. CHOI Tat Shing Paul (SES)

Faculty of Humanities (FHM)

- NCS 閱讀教學與評估 by Dr. CHEUNG Tsz Mei (CHL)
- 實用文寫作 by Dr. KAN Hon Kin (CLE)
- Developing Speaking Skills in ESL Secondary Classroom: Approaches & Strategies by Miss BIBI Tayyaba (ELE)
- Introduction to Picture Books by Mr. SY Wai Nok, LCS (LCS)
- Prototyping Language Learning Games by Dr. LAU Chaak Ming (LML)

Undergraduate Student Sharing Session



21 February 2025

Mr. TSANG Chi Sing John

Managing Director, Alpine Adventure Travel Ltd.

讓挑戰成為習慣、傳承

Principal CHEN Dion, MH

Ying Wa College, Chairman of Hong Kong Direct Subsidy Scheme Schools Council

價值觀及品格培養：塑造 21世紀的領袖

Postgraduate Student Sharing Session



5 March 2025

Professor Mi Yung PARK

The University of Auckland, New Zealand

BI/multilingualism, (Linguistic) Discrimination, and Education

Professor Connie SUNG

University of Michigan, USA

From Idea to Impact: Mastering the Art of Proposal Writing for Graduate Success

Poster Board Exhibition



- Faculty of Education and Human Development (FEHD)



- Graduate School (GS)



- Faculty of Humanities (FHM)



- Centre for Learning, Teaching and Technology (L TTC)



- Faculty of Liberal Arts and Social Sciences (FLASS)



- Centre for Learning, Teaching and Technology (L TTC)

ICLT2025

International Conference on Learning and Teaching

The International Conference on Learning and Teaching 2025 (ICLT 2025) was held from 21 to 23 May 2025 at EdUHK, Tai Po Campus, in a hybrid mode with the theme of “Learning and Teaching for Future Readiness”, focusing on the following six strands:

- AI, Metaverse and STEAM Education;
- Virtual and Blended Teaching and Learning;
- New Humanities Education;
- Values Education, Teacher Conduct and Well-being;
- Educational Leadership and Curriculum Development for the Future;
- Other Topics Related to Learning, Teaching and Assessment.



■ Keynote Speeches



Professor YU Shengquan

Beijing Normal University, Beijing, China

Cognitive Outsourcing Based on Generative Artificial Intelligence: An Analysis of Interactive Behavioural Patterns and Cognitive Structural Features



Professor LIM Cher Ping

The Education University of Hong Kong, Canada

Rethinking Virtual and Blended Teaching and Learning: Towards Education Equity, Quality and Efficiency



Professor William STRAW

McGill University, Canada

Relationality and Pedagogy in the Cultural Disciplines



Professor DENG Zongyi
University College London, UK
Rethinking 21st-Century Competencies and Curriculum Translation: Insights from Bildung-Centred and Subject-Matter Didaktik



Professor HONG Ji
University of Arizona, US
Reconceptualizing Teacher Identity in Changing and Challenging Context

EdUHK X EdCity Symposium cum Workshop on Empowering Future Readiness through Transformative AI Innovations in Learning and Teaching

■ Seminars and Workshop



Seminar 1:
Professor YU Leung Ho Philip
Professor at the Department of Mathematics and Information Technology
Associate Director of University Research Facility
Innovative Applications of Generative AI in Teaching



Workshop:
Mr. HONG Tsz Lam Samuel
Lecturer at Centre for Learning, Teaching and Technology
The Education University of Hong Kong
Making AI Your Friend - AI Interactive Teaching Materials Design Workshop



Seminar 2:
Professor KONG Siu Cheung
Research Chair Professor of E-Learning and Digital Competency at the Department of Mathematics and Information Technology
Director of Artificial Intelligence and Digital Competency Education Centre
The Education University of Hong Kong
Artificial Intelligence in Education
Three U Framework of Understanding, Using and Unleashing for Primary and Secondary Education



FITE Projects

The FITE (Fund for Innovative Technology-in-Education) was established by the University Grants Committee (UGC), aims to provide an impetus for universities to harness innovative and breakthrough technologies in transforming pedagogies and enriching student learning experiences, and to nurture a digitally competent and technologically responsible generation, for the future success of their students in the digital economy.

There are the following four key themes:

- 1) Driving transformation in pedagogies, curriculum, assessment and student development;
- 2) Advancing digital competency for all;
- 3) Promoting technological social responsibilities and academic integrity; and
- 4) Fostering academia-industry collaboration for authentic learning experience.

In 2024-25, there are four FITE projects under LTTC.



Promoting Students' Authentic Learning Experience through Programmable Robots to Support Innovative Teaching and Learning on Artificial Intelligence Literacy

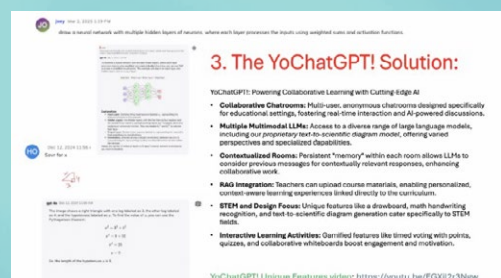
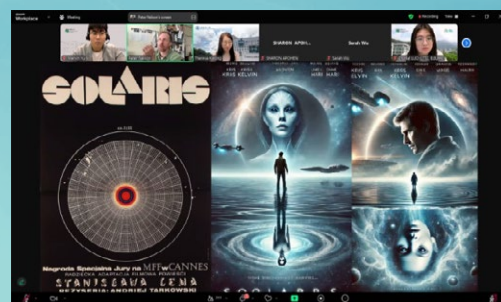
To better prepare our students to leverage the opportunities presented by AI, the captioned project has been launched to support the development of AI literacy among EdUHK's students across various subject disciplines through authentic learning experiences facilitated by programmable robotic activities. In the 2024/25 academic year, seven 2-hour workshops were organised with over 140 participants. All participants demonstrated active engagement during the workshop.

Exemplary Learning, Teaching and Assessment Practices in UGC-funded Institutions in the Age of GenAI [ELTA G-AI]

LTTC has collaborated with 7 sister universities at Hong Kong to promote the exemplary uses of Generative AI in learning, teaching and assessment. In the 2024/25 academic year, the project team, along with all other participating universities, has co-established a Community of Practice (CoP) on Enriching Future-Ready Education with GenAI and Beyond, under the Hong Kong Teaching Excellence Alliance (HKTEA). As part of the CoP initiative, an inter-institutional Webinar Planning Group has been formed, and a total of five seminars and workshops have been delivered, attracting 1900 participants from eight UGC-funded institutions.

Workshops and Seminars:

- Student Assessment in Higher Education in the Generative AI Era: Sharing Frontline
- Learning Design, Innovation, and Generative AI (LEADING-AI): Virtual Special Forum
- Disciplinary Use of GenAI to Maximise Student Learning: Sharing Frontline Experiences
- AI Literacy in Practice: Preparing Educators and Learners for the Age of GenAI
- Transformation of Higher Education in the AI Era: Innovation, Best Practices, and Impact





Digital Ethics and Responsibilities (DEAR) Campaign for Higher Education and Beyond

This project is dedicated to empowering students, educators, and the broader community to navigate the digital world responsibly and confidently. LTTC has collaborated with 7 sister universities to co-develop the content for an online platform, titled DEAR Hub (<https://dearhub.hkbu.edu.hk/dear/>), which serves as a centralised location for resources, discussion forums, and updates related to Digital Ethics and Responsibilities (DEAR). Two modules of micro-credential related to data ethics are currently under development, and the learning materials will be used for students from all participating universities to gain a nuanced understanding on the data usage and security.

Empowering Students and Teachers with AI Literacy and STEAM Competency through Profiling and Enhancement

The FITE project focuses on investigating and enhancing AI literacy and STEAM competency among students and teachers at EdUHK, and the project team has made significant progress over the past year. Comprehensive surveys on AI literacy and STEAM competency were distributed to all students and academic/teaching staff at EdUHK, with a total of 488 responses collected. The results show strong engagement and positive interest among both students and academic/teaching staff in further developing AI literacy and STEAM skills, while also identifying their strengths and areas for further development in these areas. In line with these findings, a paper titled “Profiling AI Literacy and STEAM Competency Among University Students: Insights for Enhancement” has been accepted for presentation at the 11th International Symposium on Educational Technology (ISET2025).

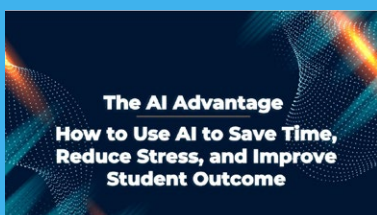
After the comprehensive investigation phase, a total of 8 tailored workshops and seminars were conducted, attracting 136 students and 211 academic staff. The overall score of 3.54 out of 4 from the post-event evaluations indicates that the workshops were considered valuable and worth attending.

Workshops and Seminars for Students:

- AI Skills = Future Success: Get Ahead of the Curve in the Age of Artificial Intelligence
- Unitree Go2 Introduction (Fundamental Skills)
- Unitree Go2 Advanced Programming (Advanced Skills)
- Demystifying AI in Education Practice from a Data Perspective
- Reimagining Next Generation Science Teaching and Learning through Human and AI Collaboration

Workshops and Seminars for Academic / Teaching Staff:

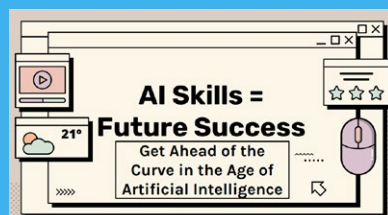
- What if students choose to use generative AI: 3-year teaching reflection
- The AI Advantage: How to Use AI to Save Time, Reduce Stress, and Improve Student Outcomes
- Empowering Teaching and Learning with AI Literacy: Integrating AI Tools in STEAM Courses



6 March 2025

Mr. HONG Tsz Lam, Samuel

The Education University of Hong Kong
The AI Advantage: How to Use AI to Save Time, Reduce Stress, and Improve Student Outcomes



11 March 2025

Mr. HONG Tsz Lam, Samuel

The Education University of Hong Kong
AI Skills = Future Success: Get Ahead of the Curve in the Age of Artificial Intelligence

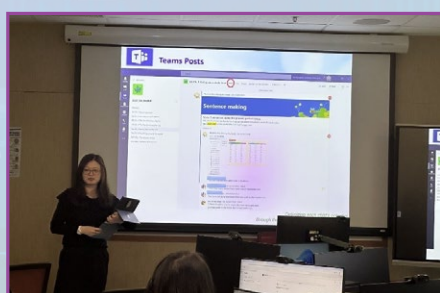
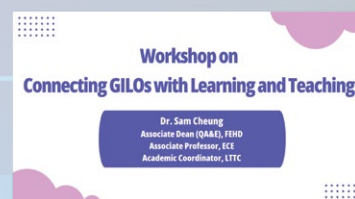
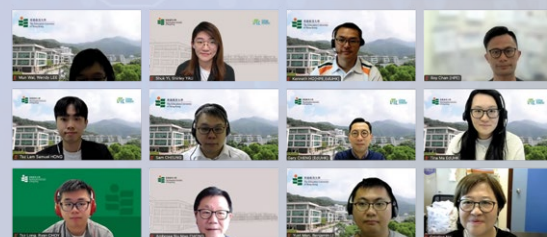


Staff Professional Development (SPD)

■ GILOs Workshop for Staff

In order to encourage academic and teaching staff seeking innovative approaches to incorporate Generic Intended Learning Outcomes (GILOs) into their courses. In this seminar, Dr. Sam Cheung will share his experience in designing learning and teaching activities that leverage digital technologies, such as AI-enabled generative tools and the Metaverse, to enhance students' mastery of subject knowledge while aligning with the University's Generic Intended Learning Outcomes (GILOs). Special emphasis will be placed on strategies for cultivating a dynamic, interactive learning environment that promotes students' social interaction skills, an essential focus in the post-pandemic period.

The online seminar entitled "Connecting GILOs with Learning and Teaching" for academic/ teaching staff and postgraduate students was organised on 13 March 2025, with 35 participants in attendance. It targeted to encourage colleagues to seek innovative approaches to incorporate GILOs into their courses. The seminar was normally organised in Semester 1 but was scheduled for Semester 2 due to the invited speaker's availability.



• Student Teacher Education Program (STEP) Pathway Workshop in Sem II 2024/25



• Student Teacher Education Program (STEP) Pathway Workshop in Sem II 2024/25



• Artificial Intelligence Literacy (AIL) Pathway Workshop in Sem II 2024/25

■ Digital Competency Requirement (DCR)

The transition plan from Information Technology Competency in Education (ITCE) to the Digital Competency Requirement (DCR) for the 2024/25 academic year has been approved by the LTQC and CCCC in the 2023/24 academic year. To align with international standards, ITCE has been renamed to digital competency starting with the 2023/24 cohort (LTQC 101/2023).

The LTTC continued to offer two alternative pathways under ITCE: the Student Teacher Education Program (STEP) Pathway and the Artificial Intelligence Literacy (AIL) Pathway for the 2024/25 academic year. More information about these pathways can be found on the LTTC website at LTTC – DCR (<https://www.lttc.edu.hk/for-students/dcr/>).

In collaboration with Microsoft, the LTTC is enhancing its Student Teacher Education Program (STEP) to provide a hybrid programme designed to prepare our pre-service teachers to effectively use technology tools for creating interactive and collaborative learning environments. Since its launch in 2020/21, a total of 168 students have completed the DCR / ITCE-STEP Pathway. For the 2024/25 cohort, two sessions of the STEP workshop were organised. A total of 29 students completed the workshops, and 23 students submitted micro-teaching videos, fulfilling the requirements of the STEP Pathway.

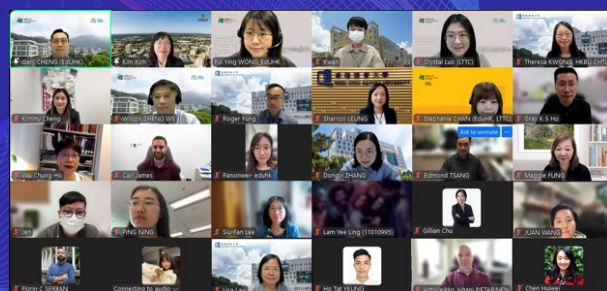
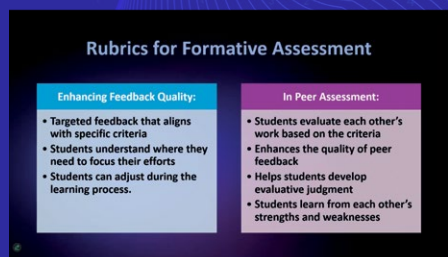
Additionally, the LTTC is collaborating with Microsoft to offer a hybrid program based on Microsoft Learn AI Fundamentals, aimed at promoting AI literacy among students interested in artificial intelligence. With a deeper understanding of AI, students will be better prepared to navigate the current and future AI-infused society. Since its launch in 2021/22, a total of 230 students have completed the DCR / ITCE-AIL Pathway. For the 2024/25 cohort, two sessions of the AIL workshop were also organised, each with a target of 40 participants. A total of 48 students completed the workshops, while 46 students successfully completed the self-learning component, and 41 students completed the AIL Pathway.

Advanced Study Institute (ASI) Seminars

The LTTC has concluded the Authentic Assessment project during the 2024/25 academic year.

Throughout the project period, LTTC successfully completed 17 events, including 15 workshops and seminars, as well as two symposia, attracted a total of 1,657 participants from EdUHK and sister universities. A post-event survey was distributed to all event participants, and over 90% of respondents agreed or strongly agreed the seminars were worth attending.

Additionally, the project has received positive feedback from three external consultants and has led to two publications (Kong & Yuen, 2022) and (Cheng and Ma, 2024).



29 August 2024

Dr. Edd PITT

University of Kent, UK

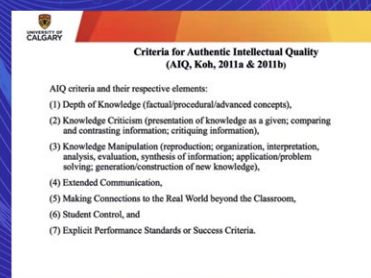
**Student-Centred Learning Process
Rubrics in Higher Education**

13 November 2024

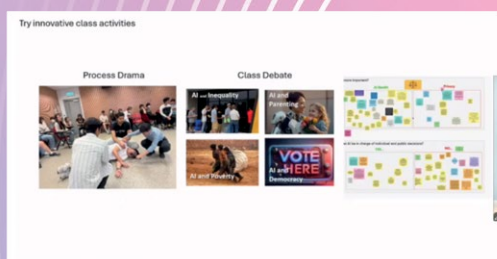
Dr. Kim KOH

The University of Calgary, Canada

**Designing Authentic Assessments to Enhance
Students' Learning in Higher Education**



UGC Awardee's Sharing Seminar



13 March 2025

Dr. Kristen Yuanxi LI

Hong Kong Baptist University

**Be an Entrepreneur in Teaching:
Cultivating Empathy and Innovation
in Education**

Teaching Development Grants (TDG) Project Sharing Seminars



28 August 2024

Dr. TING Fridolin Sze Thou

The Education University of Hong Kong

**Unlocking Personalized and Active
Learning Using a Collaborative Chatroom
Integrated with Generative AI**

18 December 2024

Professor YU Leung Ho Philip

The Education University of Hong Kong

**Promoting Online Teaching with GenAI-driven Automatic
Generation of Instructional Videos and Learning Tasks**

Promoting Cultural Awareness and Internationalisation

The Education University of Hong Kong (EdUHK) aims to develop students' international perspectives and knowledge so that they will be well-equipped to become caring global citizens and professionals in their own fields.

The University has also been building its team of teaching staff whose teaching and research address regional and global issues with the objective of making an impact on educational change, social progress and enhancement of human well-being.

The LTTC has offered two seminars in order to cover the different dimensions of internationalisation:



6 November 2024
Dr. Dennis ALONZO
University of New South Wales (UNSW),
Australia
**Teaching, Supervising and Providing
Academic Advising to Students from
Diverse Cultural Backgrounds**



25 October 2024
Dr. Angela HUO
The University of Technology Sydney (UTS),
Australia
**Internationalisation -
"Cultural Awareness Competence
and Safety"**

Induction – Introduction to Teaching in Higher Education Settings

Two 3-hour Staff Induction sessions were offered every seminar for all new full-time academic/ teaching staff, PhD and EdD students of EdUHK to equip them with essential knowledge and skills in teaching in higher education, and to enable them to become competent academic/ teaching staff members of the University. Another Induction programme was also offered to newly joined part-time teaching staff.



- Professor Cheng May Hung May (VP(AC)) is delivering the opening remark at the beginning of Induction.



- Dr. Rucci Fong (C&I) is delivering sharing on Quality Teaching in Higher Education in Induction Sharing Session (Semester I 2024/25).



- Dr. Kevin Yung (C&I) is delivering sharing on Planning Assessment for Learning in Higher Education in Induction Sharing Session (Semester I 2024/25).



- Dr. Lucas Kohnke (ELE) is delivering sharing on Quality Teaching in Higher Education in Induction Sharing Session (Semester II 2024/25).



- Dr. Yang Lan (C&I) is delivering sharing on Planning Assessment for Learning in Higher Education in Induction Sharing Session (Semester II 2024/25).

Hong Kong Professional Development Programmes for Primary and Secondary School Principals and Teachers

中小學校長教師香港研修班



The LTTC co-organised the second “Hong Kong Professional Development Programmes for Primary and Secondary School Principals and Teachers” in collaboration with the Chinese Society of Education from 24 - 28 March, 2025. This programme attracted over 50 educators from Chinese mainland, Hong Kong and Macau, focusing on Artificial Intelligence in Education.



• Opening ceremony on 24 March 2025



• EdUHK representatives guide the principals to visit the Hong Kong Palace Museum

Participants were engaged in workshops and discussions on the practical applications of AI in teaching, along with visits to the innovative educational facilities at EdUHK. The activities enhanced the collaboration among educators and strengthened the teacher development in different regions.

Professor John Lee Chi-Kin, President of EdUHK, emphasised the significance of AI tools in creating personalised learning experiences during the programme, and reaffirmed the university’s commitment to advancing high-quality teacher education.



• Professor John Lee Chi-Kin



• Professor Xu Guandong



• Closing Ceremony of the programme on 28 March 2025

Capstone Projects

UNITREE GO2 ROBOT WORKSHOPS

STEP INTO THE FUTURE :
MASTER THE UNITREE GO2 ROBOT

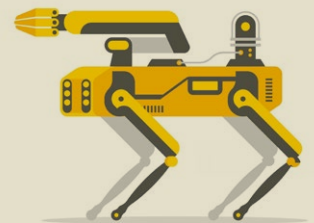
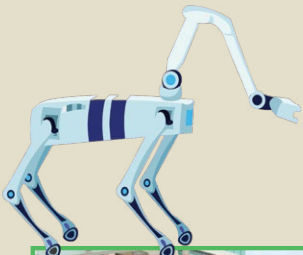
UNITREE GO2
INTRODUCTION
(FUNDAMENTAL
SKILLS)

UNITREE GO2
ADVANCED
PROGRAMMING
(ADVANCED
SKILLS)



The Capstone Project at the EdUHK is a culminating academic experience where students consolidate their undergraduate learning by applying through the inquiry-oriented project that prepares them for future careers or studies. The LTTC plays a key supporting role by offering technical expertise and guidance in emerging technologies for students' Capstone Projects.

In the 2024/25 academic year, six briefing sessions were organized, drawing the participation of over 80 students. Workshops for "Creating Metaverse Scenarios in Spatial for Learning and Teaching," "Unitree Go2 Introduction," and "Unitree Go2 Advanced Programming" were conducted to strengthen students' foundational knowledge in implementing various cutting-edge technologies within their projects. These three workshops attracted more than 35 participants.



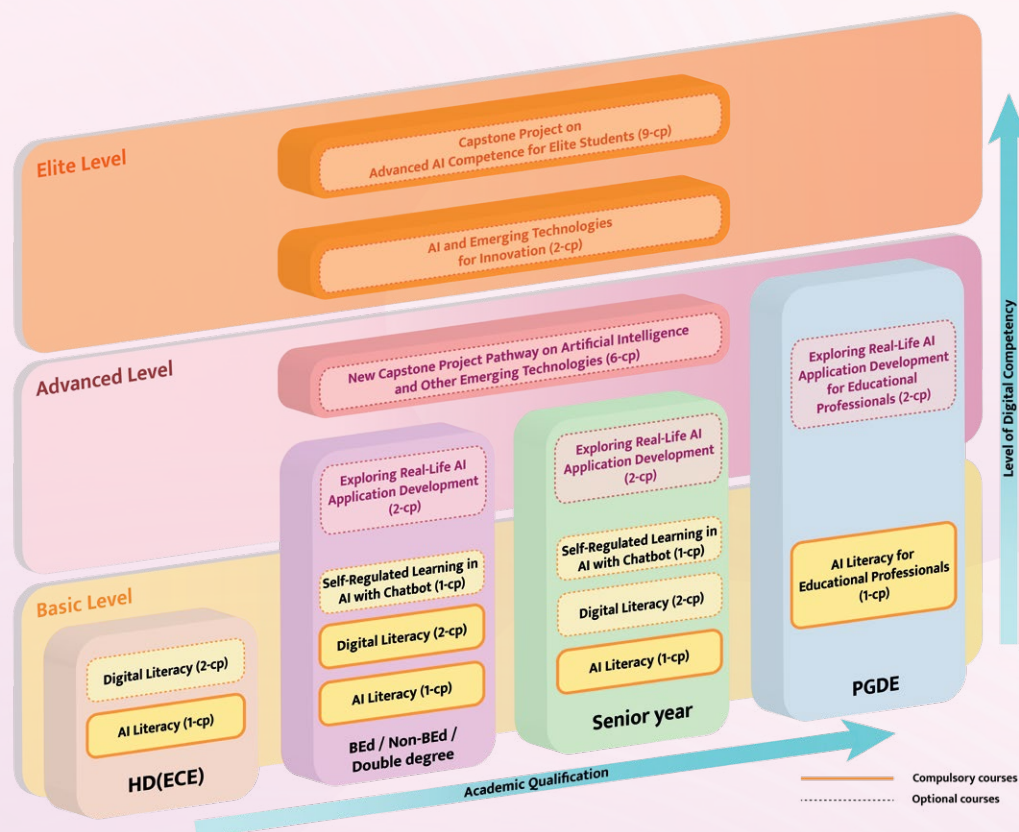
• Student workshop on Unitree Go2 Robot

Learning Experience outside the Classroom (CLOC): Self-Regulated Learning in Artificial Intelligence with Chatbot

LTTC has delivered a Learning Experience outside the Classroom (CLOC) course, titled "Self-Regulated Learning in Artificial Intelligence with Chatbot" in the 2024/25 academic year, to empower students to become self-regulated learners through completing 50 hours of non-formal learning experiences, a reflective essay, and an ePortfolio.



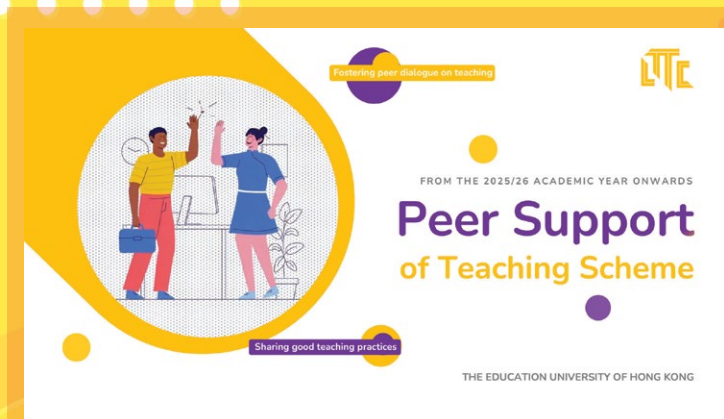
New Curriculum Emphasis: Digital Competency Curriculum



Starting from the 2025/26 cohort, the proposed courses hosted by the LTTC under the curriculum emphasis “Digital Competency” will replace the current graduation requirement of ITCE/DCR. While the new courses under Digital Competency, namely AI Literacy, AI Literacy for Educational Professionals, and Digital Literacy, are scheduled to be launched from the academic year 2025/26, the existing ITCE/DCR graduation requirement will remain in operation until all students from the 2024/25 cohort or earlier have fulfilled its requirements. These new courses under Digital Competency curriculum emphasis have been piloted in 2024/25 and will be fully implemented in 2025/26.

The LTTC is responsible for the pilot run of the courses. The pilot run for “Artificial Intelligence Literacy” and “Artificial Intelligence Literacy for Educational Professionals” was completed in Semester 1 of 2024/25, with a total number of 214 students. The pilot run for “Digital Literacy” was completed in Semester 2 of 2024/25, with a total number of 48 students.

Peer Support of Teaching Scheme: Implementation of Revised Guidelines and Settings



In reference to the existing Peer Support of Teaching Scheme (the Scheme) adopted by faculties/ departments at EdUHK, and drawing on good practices from international universities, the LTTC has revamped and developed the Implementation Guidelines with standardised forms, effective from July 2025. The peer support activities, training programs, implementation strategies, and recognition mechanisms have been enhanced to ensure that all academic and teaching staff are the intended beneficiaries of the scheme.

- New video for introducing the revised guidelines and settings.



Empowering Students and Staff with AI to Drive Productivity and Innovation

Workshop Series

For details, please scan the QR code above or visit
<https://www.lttc.eduhk.hk/ai-training/>



Learning and Teaching @EdUHK Festival

Learning and Teaching for Future Readiness

1 Feb - 31 May 2026

Theme-based Seminars

Poster Board Exhibition

Open Class Observation

Video Showcase

Students Sharing

**ICLT
2026**

International Conference on
Learning and Teaching 2026



The International Competition on AI in Education **2026**

