Supported by

AI Applications in Blended Learning for UK - TNE Training Programs

LYDINC | Love Your Design Lead Your Development

Dr. Nguyen Thi Anh Thu
Founder, L.Y.D.I.N.C Ltd. Co.; Vice-dean, Faculty of Science and Technology, UD-DUT;
Vice-director, DNIIT International Institute of Technology, UD; QAA Reviewer, ASIIN Reviewer

Assoc.Prof.Dr. Pham Van Tuan
Vice-Director, Rector - LYDINC Institute, Quality Assurance Expert, L.Y.D.I.N.C Ltd. Co.;
AUN-QA Lead Assessor, QAA Reviewer, ASIIN Reviewer, Vietnam Accreditor

Hoang Tuan Anh, Tran Dinh Sang
Research and Development Department, L.Y.D.I.N.C Ltd. Co.

FRESH NEWS

LYDINC | Love Your Design Lead Your Development

- According to a report "Student Generative AI Survey 2025" (26 February 2025) published by the Higher Education Policy Institute and Kortext:
  - "There are urgent lessons here for institutions";
  - "Every assessment must be reviewed in case it can be completed easily using AI. That will require bold retraining initiatives for staff in the power and potential of generative AI".
- UK universities warned to 'stress-test' assessments as 92% of students use AI. Survey of 1,000 students shows an 'explosive increase' in use of generative AI in particular over the past 12 months. Almost nine out of 10 (88%) in the 2025 poll said they used tools such as ChatGPT for their assessments, up from 53% last year.
- With the widespread use of AI tools among students, traditional assessment methods may need revision. Universities are encouraged to "stress-test" their assessments to ensure they accurately measure student learning outcomes in the context of AI-assisted work.

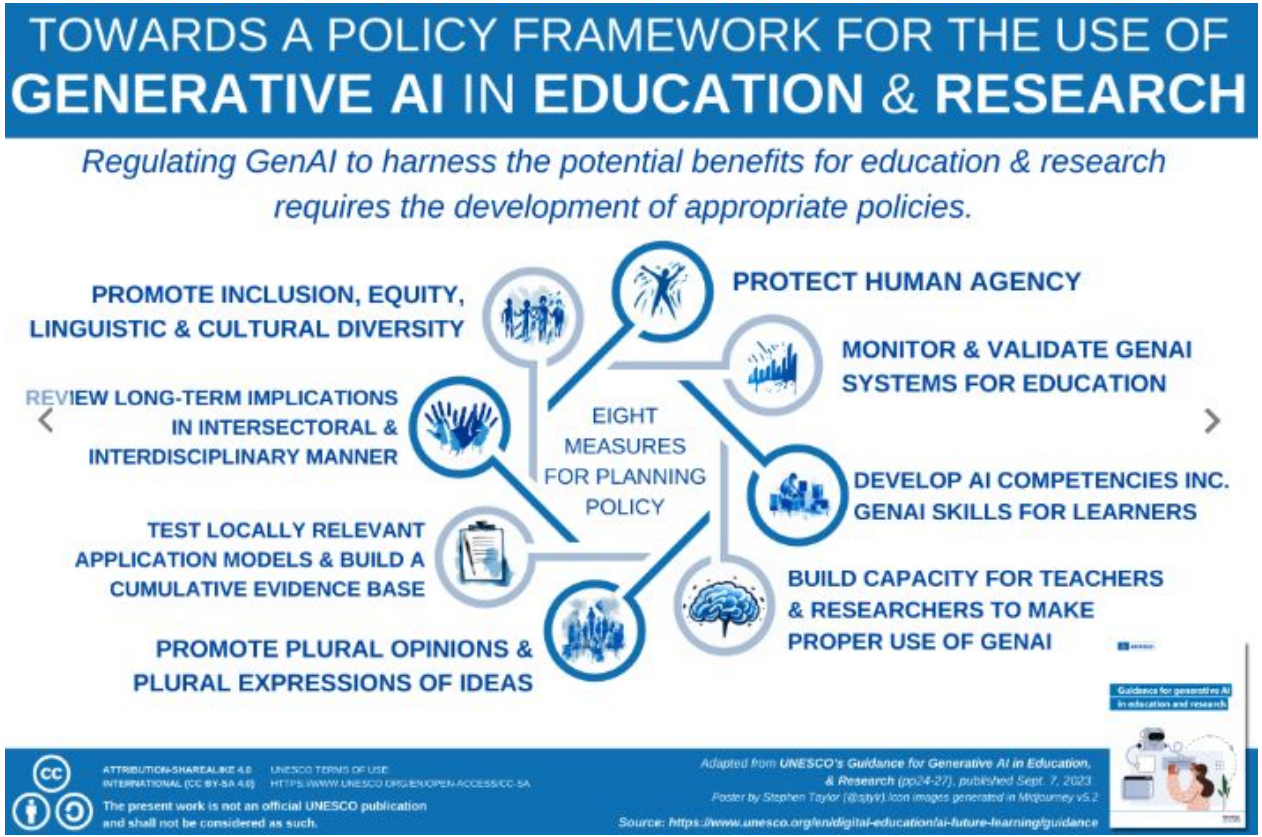
AI Guideline for Higher Education - UNESCO

LYDINC | Love Your Design Lead Your Development

- In Sep 2023, UNESCO published the "Guidance for Generative Artificial Intelligence in Education and Research" addressing the social and ethical implications of AI in educational contexts.
- This guidance proposes key steps to the regulation of GenAI tool; advocates for a human-centered approach in developing policies and regulations concerning AI applications in education and research
- It underscores the importance of maintaining human oversight, ensuring data privacy, setting an age limit for the independent conversations with GenAI platforms, and promoting equitable access to AI technologies in higher education

AI Guideline for Higher Education - UNESCO

LYDINC | Love Your Design Lead Your Development



AI Guideline for Higher Education - UNESCO

LYDINC | Love Your Design Lead Your Development

- In March 2024, the European Commission, in collaboration with ERA countries and stakeholders, introduced the "Living Guidelines on the Responsible Use of Generative AI in Research": aiming to support researchers, research organizations, and funders in adopting generative AI responsibly.
- They emphasize Transparency and Responsibility, Avoiding Sensitive Tasks, Safeguarding Privacy and Intellectual Property, Institutional Oversight., aligning with the European Code of Conduct for Research Integrity and the High-Level Expert Group on AI's guidelines on trustworthy AI.
- In 2023, the European Commission issued a Policy brief on "Harnessing the power of AI to accelerate discovery and foster innovation". This policy briefly support:
    - monitoring and steering the impact of AI on the scientific process, addressing science-specific AI challenges such as preserving scientific integrity and methodological rigour
    - accelerating the adoption of AI by scientists, by creating essential enablers such as improved access to data, computational power and talent

AI Guideline for Higher Education - ASEAN

LYDINC | Love Your Design Lead Your Development

- In February 2024, ASEAN introduced the "ASEAN Guide on AI Governance and Ethics" a comprehensive framework designed to assist organizations and governments in the responsible design, development, and deployment of AI systems.
- ASEAN released an "Expanded ASEAN Guide on AI Governance and Ethics – Generative AI" in January 2025, focusing on Generative AI. This guide offers insights into leveraging Generative AI for innovative teaching and learning methods while addressing challenges such as intellectual property rights and content authenticity
- The "AI Ready ASEAN" program aims to enhance AI literacy and capacity across the region.
    - With a USD 5 million grant, this 2.5-year programme aims to equip 5.5 million individuals from all ten ASEAN Member States with essential AI skills.
    - Utilizing a train-the-trainer model, the initiative seeks to educate 2,000 master trainers who will, in turn, provide comprehensive AI literacy training to over 800,000 individuals within local communities.

AI Guideline for Higher Education - ASEAN

LYDINC | Love Your Design Lead Your Development

AI Ready ASEAN
Google.org

ASEAN FOUNDATION

AI Ready ASEAN

This 2.5-year programme, supported by a USD 5 million grant from Google.org, is set to empower 5.5 million individuals in all ten ASEAN nations with essential AI skills.

Key Interventions

Awareness Raising Campaigns
Excite 5.5 million youth, parents, and educators to learn AI.

Training of Trainers
Train 2,000 Master Trainers on AI who will in turn deliver in-depth training to 800,000 people.

Policy Roundtable
Organise a series of regional and national convenings to facilitate knowledge sharing among key stakeholders.

Research
Conduct regional research on AI literacy and ethics.

E-learning Hub
Develop regional AI resource hub, featuring localised content tailored to specific national contexts.

AI Guideline within HE Quality Assurance

LYDINC | Love Your Design Lead Your Development

- U.S. Department of Education provides insights into how AI technologies can assist in higher education, emphasizing the need for policies that address AI's role in streamlining tasks and enhancing decision-making processes
- Council for Higher Education Accreditation (CHEA): Guiding Principles for AI in Accreditation and Recognition (February 2025): CHEA emphasizes the need for quality assurance bodies to adapt to AI advancements, focusing on ethical considerations, transparency, and the continuous evaluation of AI's impact on educational quality
    - Upholding Educational Quality and Integrity
    - Ensuring Transparency and Accountability
    - Promoting Ethical Use of AI
    - Fostering Collaboration and Inclusivity

AI Guideline within HE Quality Assurance

LYDINC | Love Your Design Lead Your Development

- Tertiary Education Quality and Standards Agency (TEQSA) Assessment Reform in the Age of AI (2024):
  - TEQSA addresses challenges posed by generative AI in assessments, advocating for the redesign of evaluation methods to uphold academic integrity. The agency provides resources to assist institutions in adapting to AI-driven changes
- Quality Assurance Agency (QAA): Quality Compass on AI (February 2024)
  - QAA explores the complexities introduced by generative AI, offering insights into its implications for teaching, learning, and assessment.
  - Quality Compass suggests ways in which this technology might be used to enhance curricula and personalise learning, while underlining the importance of maintaining core academic values, ethics and integrity.
  - QAA highlights the necessity for institutions to develop clear policies and guidelines to manage AI's integration effectively

AI Guideline within HE Quality Assurance

QAA MEMBERSHIP

Quality Compass

Opportunities for the sector

- **Fundamental integration of Gen AI**: Recognising Gen AI as a core component of the academic framework, potentially leading to a renaissance in learning and teaching methodologies.
- **Enriching the educational experience:** Using Gen AI to complement human educators, facilitating personalised learning journeys, and nurturing unique student capabilities.
- **Equitable access to Gen AI resources:** Ensuring all students have access to AI tools, democratising the educational technology landscape and enhancing digital literacy.
- **Collaborative learning environments:** Fostering partnerships between staff and students to explore and understand Gen AI's role in education, enriching the student learning journey through practical use and understanding of AI tools.

Potential challenges and key considerations

- **Redefining educational roles:** Addressing uncertainties about the future role of educators and the nature of education in a Gen AI-enabled world and ensuring that Gen AI enhances rather than replaces human interactions in learning.
- **Cultivating critical skills:** The need to integrate critical analysis, fact-checking, and Gen AI literacy into curricula to prepare students for a world saturated with AI technologies.
- **Pedagogical reflection:** Prioritising pedagogical value over technological advancement, ensuring that Gen AI integration translates into genuine educational benefits.

Vietnam Policy on AI for Education

LYDINC | Love Your Design Lead Your Development

- The Government's Action Program - Resolution 03/NQ-CP for implementing Resolution No. 57-NQ/TW focuses on Artificial Intelligence (AI) applications in education as part of Vietnam's broader digital transformation strategy
- The resolution approaches:
  - Improve the legal framework to accelerate AI applications in developing digital technology solutions across Education sectors, and localities
  - Develop a proposal for AI applications based on big data in Education.
  - Focus on investing in and developing several advanced higher education institutions and specialized training centers in artificial intelligence.
  - Advance digital higher education models integrating cutting-edge technologies such as artificial intelligence and virtual spaces
  - Develop and implement a special policy framework on citizenship to attract, retain, and employ top scientists, experts, and "chief engineers" both domestically and internationally in AI development and talent training.

Vietnam Policy on AI for Education

LYDINC | Love Your Design Lead Your Development

- The National Strategy for Research, Development, and Application of Artificial Intelligence (Decision No. 127/QD-TTg) outlines key AI applications in education
- AI Integration in Education:
  - STEAM and AI Training: Implement AI-focused programs for students. Curriculum Enhancement: Incorporate AI and data science into HE curricula.
  - Teacher Assistance: AI-based automation for grading, lesson planning, and personalized instruction
- AI for Personalized Learning
  - Career Prediction & Student Assessment: AI-driven tools to help students identify strengths and career paths.
  - Smart Tutoring Systems: AI-powered digital assistants to support students.
  - Automated Learning Management: AI to track progress and suggest improvements

Vietnam Policy on AI for Education

LYDINC | Love Your Design Lead Your Development

- The National Strategy for Research, Development, and Application of Artificial Intelligence (Decision No. 127/QD-TTg) outlines key AI applications in education
- AI in Education Administration
  - Data-Driven Decision Making: AI for managing education systems.
  - AI-Optimized Resource Allocation: Improving the efficiency of administrative processes
- AI Research and Development in Education
  - University-Led AI Research: Encouraging higher education institutions to innovate in AI.
  - Industry Collaboration: Incentives for enterprises to invest in AI education projects

AI Exploitation in Vietnam HEIs

LYDINC | Love Your Design Lead Your Development

- An interdisciplinary project "Inclusive Use of Artificial Intelligence in Education in Vietnam" (September 2024 - July 2026) focuses on digital transformation across Vietnam by collaborating with educators from diverse regions and backgrounds.
    - The goal is to develop effective practices for integrating AI tools into teaching and learning processes. This project involves education and computer science researchers from the UK (BCU, NTU) and Vietnam (HCMUE, HUE, VNU, VU) working with schools and educators in Vietnam to co-develop pedagogical practices and resources to trial latest AIEd technologies
- Led by Coventry University in partnership with Hanoi University of Science and Technology, the GameAid project aims to enhance Vietnamese educators' understanding and application of Generative AI in education.
    - The project involves designing, prototyping, and evaluating a serious game to support educators in developing digital literacy and skills necessary for integrating AI into their teaching practices.

AI Exploitation in Vietnam HEIs

LYDINC | Love Your Design Lead Your Development

- Fulbright University Vietnam received a $1.5 million grant from Google to advance AI research and education.
    - This funding supports the development of cutting-edge AI educational programs, including research initiatives and scholarships in Vietnam.
    - Focuses: AI Teaching, Faculty Development, Research and Collaboration, Google Scholarship, Community Outreach.
- In late 2024, RMIT University Vietnam conducted free training sessions for over 1,400 teachers, lecturers, and educational managers nationwide. These programs focused on applying AI tools, particularly generative AI, in teaching and learning activities. The training covered various topics, including lesson planning, assessment design, multimedia content creation, and the use of AI chatbot assistants to support education.
- British University Vietnam encourages students to utilize AI in their learning and assessments, publishes scientific studies on AI's effectiveness in education, and provides training for school leaders and officials on AI applications in teaching.

Blended Learning

LYDINC | Love Your Design Lead Your Development

A **flexible approach** to education, **combining** the best aspects of **traditional face-to-face** instruction with the advantages of **online learning**:

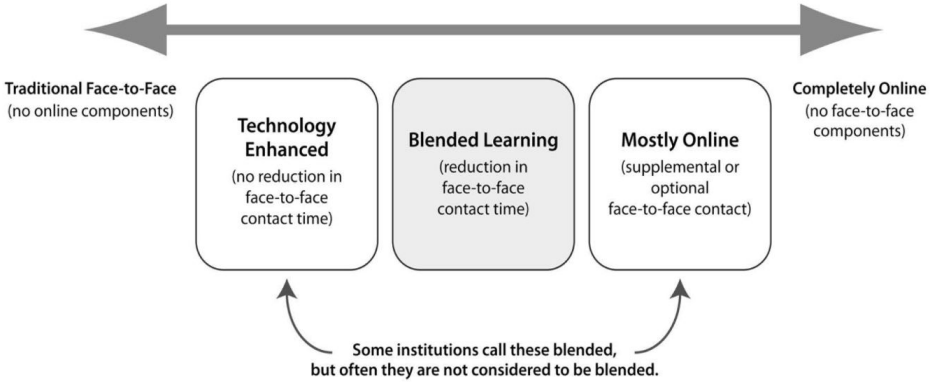
- Allowing for a more personalized and engaging learning experience.
- Aiming to create a learning environment that maximizes the benefits of both in-person and online learning.

Face-to-Face Instruction:

- This involves traditional classroom activities, such as lectures, discussions, and group work.
- It provides opportunities for direct interaction with instructors and peers.

Online Learning:

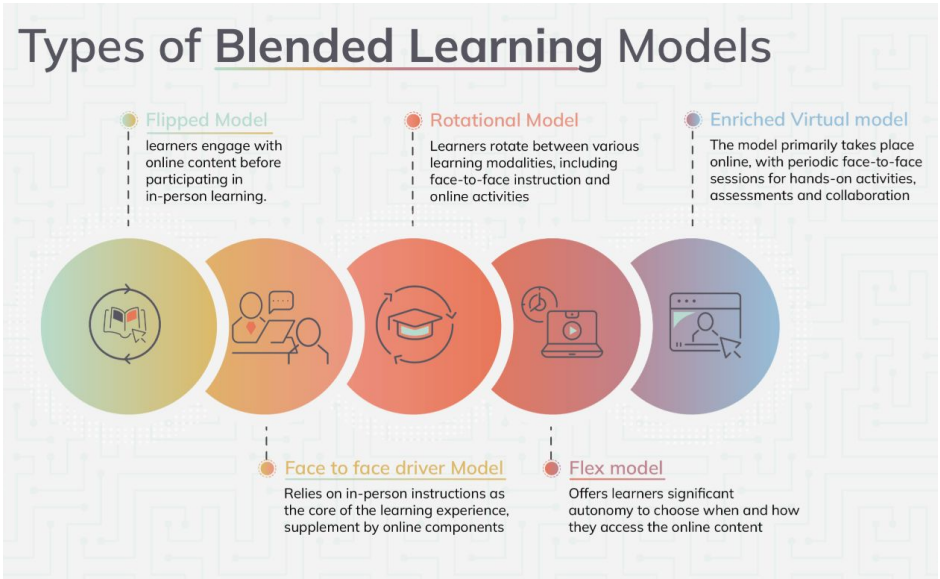
- This includes access to digital resources, such as online modules, videos, and interactive simulations.
- It allows for flexible learning, enabling students to access materials at their own pace and time.



Blended Learning in Context
(Commonwealth of Learning)

Common Blended Learning Models

LYDINC | Love Your Design Lead Your Development



https://www.blendedlearning.org/models/
https://disprz.ai/blog/blended-learning-models-implementation-strategies

Flipped Classroom:

- Students engage with online materials (e.g., videos, readings) outside of class.
- In-class time is dedicated to active learning activities, such as discussions, problem-solving, and collaborative projects.

Rotation Model:

- Students rotate between different learning modalities, including online activities and face-to-face instruction, according to a schedule.
- This can include station rotation (rotating between learning stations within a classroom) or lab rotation (rotating to a computer lab for online work).

Flex Model:

- Online learning is the primary mode of instruction.
- Teachers provide on-site support and small-group instruction as needed.

Face-to-Face Driver Model:

- Traditional face-to-face instruction is the primary mode, with online tools used to supplement and enhance learning.

Enriched Virtual Model:

- Primarily online with required face to face sessions.

Benefits of Blended Learning

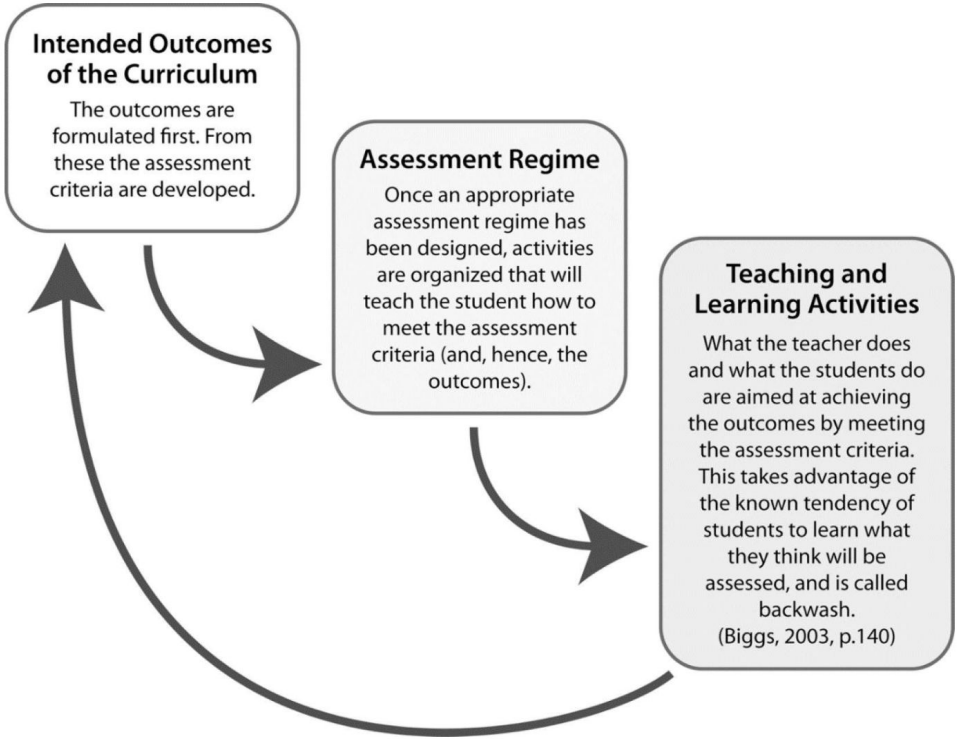
LYDINC | Love Your Design Lead Your Development

- **Increased Flexibility**: Students can learn at their own pace and access materials at any time.
- **Personalized Learning**: Online tools can be used to tailor instruction to individual student needs.
- **Enhanced Engagement**: Interactive online activities and multimedia resources can make learning more engaging.
- **Improved Collaboration**: Online platforms can facilitate communication and collaboration among students.
- **Greater Access to Resources**: Online resources provide access to a wealth of information and learning materials.

Blended learning is a dynamic and evolving approach that continues to adapt to the changing needs of learners and the advancements in technology.

Principle/ Logic of Outcome-based Education

LYDINC
Love Your Design
Lead Your Development



Aligning assessment with learning objectives
Commonwealth of Learning

How AI can support BL

LYDINC | Love Your Design Lead Your Development

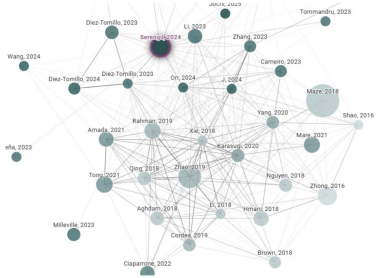
For Teacher / Lecturer

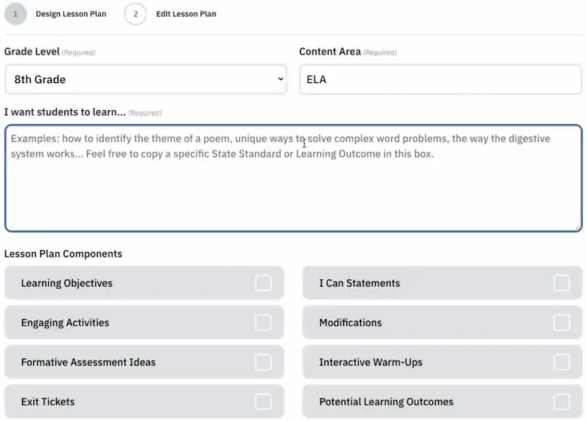
AI is significantly streamlining and enhancing the process of lesson creation for educators

AI Supports Lesson Creation

1. **Idea Generation and Brainstorming - Searching information**
    - AI tools can help teachers generate fresh and innovative ideas for lesson topics, activities, and projects.
    - By providing prompts, teachers can leverage AI to explore different perspectives and approaches to teaching specific concepts.

2. **Lesson Planning and Structuring**
    - AI tools can help teachers structure their lessons, ensuring that they align with learning objectives and curriculum standards.
    - AI can assist in creating detailed lesson plans, including:
        - Learning objectives/outcomes
        - Teaching-Learning Activities and Assessments
        - Timelines and schedules





How AI can support BL

LYDINC | Love Your Design Lead Your Development

3. **Content Creation and Curation**

   - AI can assist in creating diverse learning materials, including:
     - Worksheets and handouts
     - Interactive simulations
     - Multimedia presentations
   - AI can also curate relevant resources from the web, saving teachers time and effort in searching for materials.

4. **Differentiation and Personalization**

   - AI can analyze student data to identify individual learning needs and preferences.
   - This allows teachers to create differentiated lessons that cater to the diverse needs of their students.
   - AI can also generate personalized learning pathways and activities based on student progress.

5. **Accessibility and Inclusivity**

   - *AI-powered tools can help teachers create accessible learning materials for students with disabilities/special needs.*
   - *This includes features such as:*
     - *Text-to-speech conversion*
     - *Translation tools*
     - *Adaptive learning technologies*

How AI can support BL

6. **Providing Feedback and Assessment**

   - AI can help to provide assessment activities/questions based on the learning outcomes and teaching-learning activities
   - AI can help to give very quick feedback to students on assignments.
   - AI can also help to analyse large amounts of assessment data, to give teachers a better view of class-wide problems, and individual student problems.

In Automating Administrative Tasks:

- AI can automate tasks such as grading, attendance tracking, and scheduling, freeing up educators' time for more personalized instruction.
- Providing Insights into Student Learning: Learning analytics tools provide educators with valuable insights into student progress, allowing them to adjust their teaching strategies accordingly.

How AI can support BL

LYDINC | Love Your Design Lead Your Development

For students

AI in blended learning aims to create a more efficient, effective, and personalized learning experience for all students.

Personalized Learning:

- **Adaptive Learning Platforms:**
  - AI algorithms analyze student performance data to tailor content, pace, and difficulty levels to individual needs.
  - These platforms can identify knowledge gaps and provide targeted support, ensuring students receive the right level of challenge.

- **Individualized Learning Paths:**
  - AI can create customized learning pathways based on student strengths, weaknesses, and learning styles.
  - This allows students to progress at their own pace and focus on areas where they need the most help.

How AI can support BL

LYDINC | Love Your Design Lead Your Development

Intelligent Tutoring Systems (ITS):

- **Real-time Feedback and Support:**
  - ITS provide instant feedback on student work, offering explanations and gui to correct errors.
  - They can simulate one-on-one tutoring, providing personalized support outside of traditional classroom hours.
- **Automated Assessment:**
  - AI-powered tools can automate the grading of assignments, providing timely feedback to students and freeing up educators' time.
  - Natural language processing (NLP) enables AI to assess written work, providing insights into student understanding and writing skills.

How AI can support BL

LYDINC | Love Your Design Lead Your Development

Learning Analytics:

- **Data-Driven Insights:**
  - AI analyzes student data from various sources, such as online activities, assessments, and participation, to provide insights into learning patterns.
  - This data helps educators identify students who may be struggling and intervene early.
- **Predictive Analytics:**
  - AI can predict student performance and identify at-risk students, allowing educators to provide proactive support.
  - This helps to improve student retention and success rates.

How AI can support BL

Enhanced Content Creation and Delivery

- **AI-Generated Content:**
  - AI tools can assist in creating personalized learning materials, such as quizzes, exercises, and summaries.
  - This helps educators to develop engaging and relevant content.
- **Chatbots and Virtual Assistants:**
  - AI-powered chatbots can provide instant answers to student questions, offering 24/7 support.
  - They can also guide students through online learning platforms and provide reminders and notifications.

In conclusion and Key Notes

The Roles of the Teacher:

It's crucial to emphasize that AI is intended to augment, not replace, human teachers. Teachers remain essential for providing:

- Emotional support and guidance
- Critical thinking and problem-solving skills
- Social and collaborative learning experiences
- Personalized mentorship and motivation

In conclusion and Key Notes

LYDINC | Love Your Design Lead Your Development

Advantages

- AI is empowering teachers to create more engaging, effective, and personalized lessons, ultimately enhancing the learning experience for students.
- AI is a powerful tool that can help teachers to be more effective and efficient, saving time, allowing them to focus on what they do best: fostering student learning and development.

Considerations

- While AI can be a valuable tool, it's essential to remember that teachers' expertise and judgment are still crucial. It's important to evaluate AI-generated content for accuracy and appropriateness.
- Teachers should use AI to augment their teaching, not replace it.

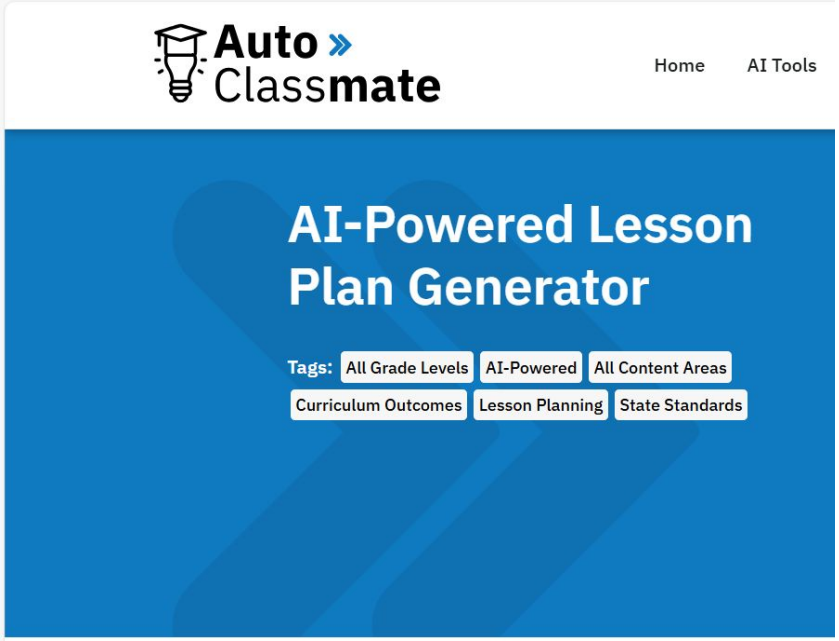
App - AI for Lesson Creation

LYDINC | Love Your Design Lead Your Development

Auto Classmate

- AI-generated lesson plans tailored to subjects and grade levels
- Customization options for lesson objectives and activities
- Integration with existing curriculum guidelines
- Time-saving automation for educators

Instruction Video



App - AI for Lesson Creation

LYDINC Love Your Design Lead Your Development

Chat GPT

- AI-powered content generation for lesson plans and educational materials
- Interactive Q&A support for teachers and students
- Customizable responses based on user input
- Multi-language support for global accessibility

Instruction video

App - AI for Assessment Creation

LYDINC | Love Your Design Lead Your Development

formative

Formative AI

- Flexible Assessment Creation: Supports various question types such as multiple choice, short answer, drag-and-drop, drawing, etc.
- Real-Time Feedback: Teachers can see students' responses instantly to adjust their teaching accordingly.
- LMS Integration: Works well with Google Classroom, Microsoft Teams, Canvas, and more.
  Personalized Learning: Allows teachers to customize questions based on students' abilities.
- Detailed Data Analytics: Provides in-depth reports on student progress and comprehension levels.

Instruction video

App - AI for Assessment Creation

LYDINC | Love Your Design Lead Your Development

Quizizz AI

- AI-Powered Quiz Generation: Teachers can input content, and AI will automatically generate suitable questions.
- Gamification: Students can take quizzes in a game-like format with points, leaderboards, and more.
- Live and Self-Paced Modes: Teachers can conduct live quizzes in class or allow students to complete them at their own pace.
- Integration with Google Classroom & Microsoft Teams: Easily export results and track learning progress.
- Data Analytics: Provides detailed reports on student performance to help teachers refine their teaching strategies.

Instruction video

AI for Slide Creation

LYDINC | Love Your Design Lead Your Development

SlidesGo

- Free presentation templates
- Editable slides
- Google Slides and PowerPoint compatible
- Online platform
- Resources and tutorial

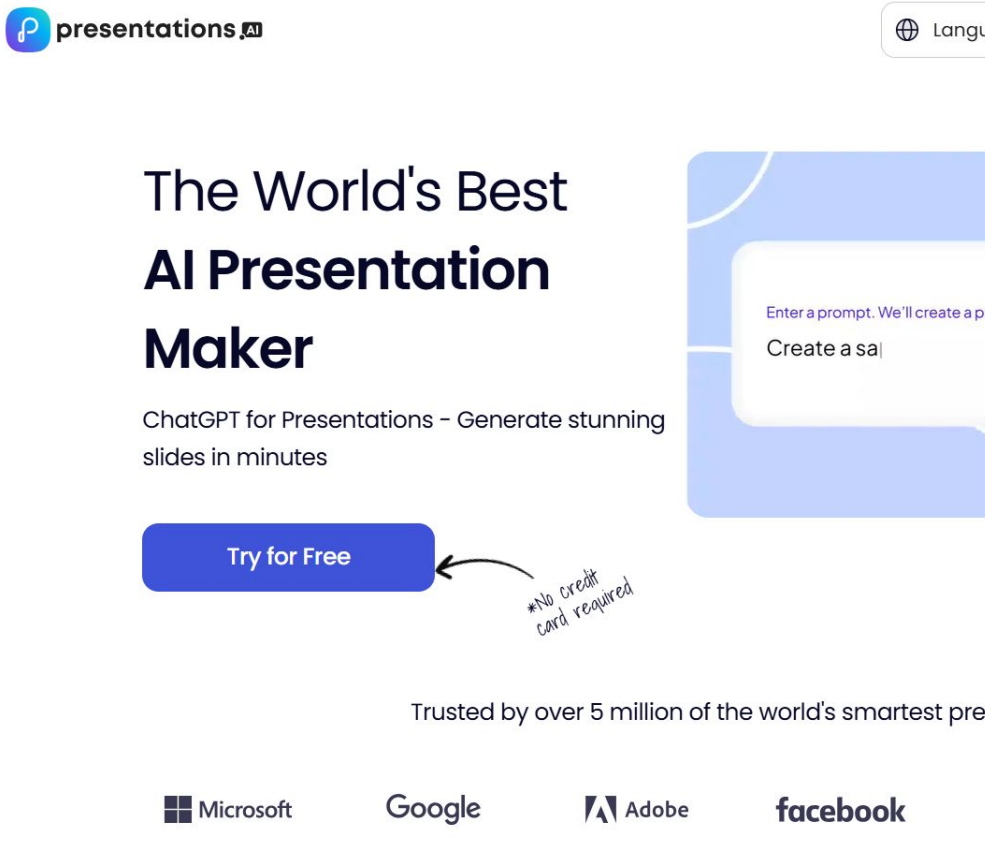
Instruction Video

AI for Slide Creation

LYDINC | Love Your Design Lead Your Development

Presentation AI

- AI-powered slide creation
- Customization options
- Content Suggestions
- Custom Branding
- No design skills required



Instruction video

AI for Video Creation

LYDINC | Love Your Design Lead Your Development

Lumen 5

- Convert blogs, articles, or text into video scripts
- Accepts URLs, articles, and PDF files
- Diverse templates available
- Free plan: Up to 5 videos per month
- Supports multiple aspect ratios
- Various video creation options (AI voiceover, AI avatar, etc.)

Instruction video

Sample of created video

Sample of created video

AI for Video Creation

LYDINC
Love Your Design
Lead Your Development

Invideo AI

- Convert text into engaging videos
- Dynamic visual illustrations
- Support for videos lasting several minutes
- Easy video editing and scene adjustments

Instruction video

Sample of created video

Mẫu prompt cơ bản

Tạo video giáo dục về [CHỦ ĐỀ] cho học sinh [CẤP HỌC/LỚP].

Mục tiêu là [MỤC TIÊU GIÁO DỤC].

Sử dụng phong cách [MÔ TẢ PHONG CÁCH] với nhiều hình ảnh minh họa.

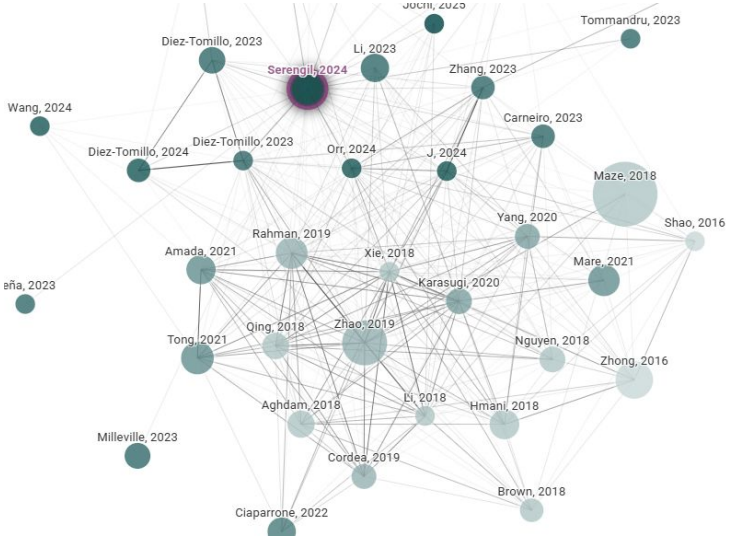
Cấu trúc video gồm: [LIỆT KÊ CÁC PHẦN CHÍNH].

Thời lượng khoảng [SỐ] phút.

Yêu cầu đặc biệt: [CÁC YÊU CẦU KHÁC].

AI for Searching

LYDINC | Love Your Design Lead Your Development



Connected Papers

- Analyze and visualize articles
- Generate graphs showing relationships between articles based on content similarity
- Free version available

Instruction video

AI for Searching

LYDINC | Love Your Design Lead Your Development

Elicit

- Smart document search
- Analyze and summarize documents
- Research synthesis
- Answer questions based on research

Instruction video

No.	Tools	Owner	Purpose	Pricing	Main usage	Target User	Notes
AI for Lesson Plan Creation							
1	Microsoft Copilot	Microsoft	AI-powered assistant for productivity and lesson planning	Subscription-based	Supports lesson planning and content creation	Intermediate	
2	ChatGPT	OpenAI	AI chatbot for generating lesson plans, Q&A, and content creation	Free & Pro version (ChatGPT Plus)	Generates educational content and supports Q&A in education	Intermediate	- Most popular - Free - Many available user guides - High accuracy *(khó sử dụng nếu người dùng chưa nắm được cấu trúc viết prompt)*

3.	Claude	Anthropic	AI chatbot focusing on safe and reliable content generation	Subscription-based (Claude Pro)	Generates safe and accurate educational content	Advanced	
5.	Google Gemini	Google	AI assistant for generating lesson plans and educational support	Free & Premium (Gemini Advanced)	Information search, learning support, and lesson content creation	Intermediate	
6.	Auto Classmate	X	AI-powered lesson planning tool	Free & Subscription	Automates lesson planning for educators	Beginner	- High Accuracy - Smart AI Integration - Flexible Customization - User-Friendly (Viết prompt theo dạng menu liệt kê sẵn -> dễ tiếp cận đối với người mới bắt đầu)

7.	Lesson Plan Generator	X	AI-based lesson plan creation	Free	Assists in designing structured lesson plans	Beginner	Tính năng và giao diện tương tự "Auto Classmate" -> nhưng thời gian phản hồi chậm, độ chính xác chưa cao.
8.	Curipod	Curipod	AI-powered interactive lesson tool	Free & Pro version	Creates interactive lessons and presentations	Beginner	
9.	Diffit	Diffit For Teachers	AI tool for adapting and modifying educational content	Free & Subscription	Simplifies and customizes lesson content for different learning levels	Intermediate	

Source: Bộ GD&ĐT (Dự thảo)

10.	MagicSchool.ai	Magic School	AI-driven education assistant	Free & Subscription	Helps teachers generate worksheets, quizzes, and lesson materials	Intermediate	
11.	SchoolAI	X	AI-powered teaching assistant	Free & Pro version	Enhances classroom engagement and content creation	Intermediate	
12.	Eduaide.ai	Eduaide.ai	AI-powered teaching and learning support	Free & Subscription	Generates teaching resources and supports lesson customization	Intermediate	
13.	Khanmigo	Khan Academy	AI tutor assistant for education	Free / Pro version	Provides AI-powered tutoring and guidance	Intermediate	

Source: Bộ GD&ĐT (Dự thảo)

AI for Assessment Generators							
14.	QuestionWell	QuestionWell	AI-powered assessment and quiz generator	Subscription-based	Creating automated quizzes and formative assessments	Intermediate	
15.	Formative AI	Formative	AI-driven tool for formative assessments	Subscription-based	Customizing and automating formative assessments for students	Intermediate	- Tích hợp AI có chức năng tạo bộ câu hỏi nhanh để đánh giá học sinh từ bài giảng/ prompt đưa vào - Có phần report để đánh giá kết quả - Free - Nhiều chức năng khác phù hợp với việc đánh giá

Source: Bộ GD&ĐT (Dự thảo)

16.	Quizizz AI	Quizizz	AI-powered quiz and assessment platform	Free & Premium	Gamifying assessments and improving student engagement	Intermediate	- Tích hợp AI có chức năng tạo bộ câu hỏi nhanh để đánh giá học sinh từ bài giảng / prompt đưa vào - Có phần report để đánh giá kết quả - Free - Nhiều chức năng khác phù hợp với việc đánh giá - Có khả năng chia sẻ tài liệu / bộ câu hỏi và xem thông tin dữ liệu được tạo ra với các giáo viên ở cùng trường hay địa chỉ tìm kiếm.
17.	Twee	Twee	AI-powered tool for personalized assessments	Free & Premium	Generating adaptive learning quizzes	Intermediate	

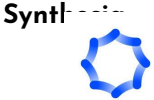
Source: Bộ GD&ĐT (Dự thảo)

AI for Slide Creation							
14.		Freepik Company	AI-powered slide design and template creation	Free & Subscription	Generates slide templates and designs	Intermediate	
15.		Beautiful.ai	AI-based presentation creation	Subscription-based	Automatically creates slides and presentations	Intermediate	- Miễn phí (sử dụng được nhiều lần: 4 lần tạo bài giảng) - Giao diện và template đa dạng - Tích hợp nhiều ứng dụng AI khác nhau (phù hợp với việc tạo bài giảng) - Sau khi tạo xong muốn tải bản pdf phải nâng cấp gói pre
16.		Sendsteps	AI-driven interactive presentation tool	Free & Pro version	Enables audience engagement in presentations	Intermediate	- Miễn phí (sử dụng được nhiều lần) - Tích hợp nhiều ứng dụng AI để tạo slide (phù hợp với việc tạo slide bài giảng) - Số lượng người sử dụng cao

Source: Bộ GD&ĐT (Dự thảo)

	SLIDESGO	Slidesgo	AI-powered business presentation tool	Free / Prenium	Creates professional pitch decks and reports	Intermediate	- Miễn phí (sử dụng được nhiều lần) - Tính phổ biến cao - Tích hợp AI cho người sử dụng ở nhiều mức độ
17.	Kroma.ai	Kroma.ai	AI-powered business presentation tool	Subscription-based	Creates professional pitch decks and reports	Intermediate	
18.	PowerPresent AI	PowerPresent	AI-powered tool for generating professional presentations	Free & Premium	Creating structured and visually appealing presentations quickly	Intermediate	

Source: Bộ GD&ĐT (Dự thảo)

AI for Video Generation							
23.		InVideo	Tạo video AI từ văn bản	Miễn phí (giới hạn) / Trả phí - 10 phút miễn phí/ tuần	Chuyên về tạo video giải thích ngắn với các template giáo dục sẵn có, đặc biệt phù hợp cho video giới thiệu khái niệm	Beginner	Đa dạng tính năng, miễn phí, tạo được video dài, bản miễn phí có watermark.
24.		AdCreative.ai	Tạo quảng cáo AI	Trả phí	Tối ưu cho tạo các banner, poster và quảng cáo giáo dục ngắn để thu hút học viên vào các khóa học	Intermediate	
25.		Animaker	Tạo video hoạt hình AI	Trả phí	Nổi bật với animation cartoon và nhân vật hoạt hình, phù hợp cho nội dung dành cho trẻ em và giải thích khái niệm trừu tượng	Beginner	
26.		Synthesia.io	Tạo video với avatar AI	Trả phí	Đặc biệt mạnh về tạo video giảng viên ảo đa ngôn ngữ, phù hợp cho các bài giảng quốc tế và đào tạo từ xa.	Intermediate /AdvanceAdvanced	

Source: Bộ GD&ĐT (Dự thảo)

27.	**Veed.io**	Veed.io	Chỉnh sửa video trực tuyến	Miễn phí (giới hạn) / Trả phí -	Tập trung vào chỉnh sửa video đã có, tạo phụ đề tự động chính xác cao, phù hợp cho việc làm phong phú video có sẵn	Beginner	Hơi khó sử dụng, chủ yếu nghiêng về edit video có sử dụng, chủ yếu nghiêng về edit video
28.	**Pollo AI**	Pollo.ai	AI hỗ trợ tạo video	Trả phí	Chuyên về video ngắn với hiệu ứng động, phù hợp cho việc tạo video giới thiệu khóa học và quảng cáo giáo dục.	Intermediate	
29.	**AIVideo**	AI Video	Tạo video AI nhanh chóng	Trả phí	Mạnh về kết hợp hình ảnh chất lượng cao với văn bản, phù hợp cho video hướng dẫn chi tiết và bài giảng chuyên sâu	Intermediate	
30.	**VideoGen**	VideoGen.io	Chuyển văn bản thành video	Trả phí	Nổi bật với khả năng chuyển bài viết dài thành video có cấu trúc, phù hợp cho việc biến tài liệu học thuật thành bài giảng	Intermediate	
31.	**Freepik AI Video**	Freepik	Tạo và chỉnh sửa hình ảnh bằng AI	Miễn phí (giới hạn) / Trả phí	Đặc biệt hữu ích cho việc tạo video với thư viện hình ảnh phong phú, phù hợp cho tạo nội dung minh họa trực quan.	Beginner	

32.	**Dream Machine (Luma AI)**	Luma AI	AI tạo video 3D chân thực	Miễn phí (giới hạn) / Trả phí	Chuyên về mô phỏng 3D và hiệu ứng đặc biệt, lý tưởng cho dạy học các môn khoa học, vật lý và công nghệ	Advanced	
33.	**HailuoAI**	HailuoAI	Chuyển văn bản thành video	Trả phí	Mạnh về tạo video có cấu trúc từ slide và văn bản, phù hợp cho bài giảng được cấu trúc theo chương mục	Intermediate	
34.	**KlingAI**	KlingAI	Tạo video từ hình ảnh	Trả phí	Chuyên biệt hóa trong việc tạo chuyển động từ ảnh tĩnh (motion effects), phù hợp cho việc làm sống động các tài liệu lịch sử và hình ảnh.	Intermediate	
35.	**Lumen5**	Lumen5	Chuyển blog thành video	Miễn phí (giới hạn) / Trả phí - 5 video miễn phí / tháng	Nổi trội về chuyển đổi nội dung blog dài thành video tóm tắt, phù hợp cho việc tạo video tổng quan về chủ đề học tập	Beginner	
36.	**Pictory**	Pictory.ai	Tạo video AI tự động	Trả phí	Đặc biệt hiệu quả trong việc tách và nhấn mạnh các điểm chính từ nội dung dài, phù hợp cho việc tạo video tóm tắt bài giảng.	Intermediate	

Source: Bộ GD&ĐT (Dự thảo)

AI for Searching							
37.	Elicit	Ought	**Tìm kiếm** và tóm tắt tài liệu học thuật	Miễn phí	Tự động hóa quá trình nghiên cứu, hữu ích cho tổng quan tài liệu	Beginner	
38.	Consensus	Consensus	**Tìm kiếm** nghiên cứu khoa học và tóm tắt ý chính	Miễn phí với các gói trả phí bổ sung	Trả lời câu hỏi dựa trên bằng chứng khoa học	Beginner	
39.	Scite	Scite Inc.	Kiểm tra mức **độ tin cậy** của bài báo khoa học thông qua phân loại trích dẫn	Miễn phí với các gói trả phí bổ sung	Đánh giá mức độ tin cậy của nghiên cứu, kiểm tra tranh cãi trong bài báo	Beginner	
40.	Semantic Scholar	Viện Allen cho Trí tuệ Nhân tạo (AI2)	Công cụ tìm kiếm học thuật AI, tóm tắt bài báo	Miễn phí	Tìm kiếm bài báo chất lượng, đánh giá ảnh hưởng của bài báo dựa trên chỉ số trích dẫn	Beginner	

Source: Bộ GD&ĐT (Dự thảo)

41.	Connected Papers	Connected Papers Ltd.	**Xây dựng bản đồ** trực quan về các bài báo liên quan trong một lĩnh vực	Miễn phí	Khám phá mối liên kết giữa các nghiên cứu, hữu ích cho tổng quan tài liệu nhanh chóng	Beginner	Các đồ thị graph thể hiện mối quan hệ của các bài báo dựa trên nội dung của chúng. Các nodes là từng bài báo, trong khi các cạnh thể hiện mối liên hệ của chúng.
42.	Perplexity AI	Perplexity AI	Tìm kiếm thông tin và trả lời câu hỏi từ nhiều nguồn, bao gồm học thuật và internet	Miễn phí	Tổng hợp nội dung từ các bài báo khoa học và thông tin từ internet	Beginner	
43.	R Discovery	R Discovery	Đề xuất bài báo học thuật phù hợp với lĩnh vực nghiên cứu	Miễn phí	Cập nhật nghiên cứu mới nhất, gửi thông báo về bài báo mới liên quan đến chủ đề quan tâm	Beginner	Có thể phát ra tiếng, video

Source: Bộ GD&ĐT (Dự thảo)

Challenges and Recommendation

LYDINC | Love Your Design Lead Your Development

- Infrastructural Limitations:
  - Many Vietnamese educational institutions face outdated technological infrastructures, hindering the integration of advanced GenAI tools. Upgrading these systems demands significant investment and time.
  - Prioritize investment in modernizing technological infrastructures within educational institutions to support GenAI applications. This includes upgrading hardware, software, and ensuring robust internet connectivity
- Shortage of Skilled Professionals:
  - There's a notable deficit of educators and administrators proficient in AI technologies, which impedes the effective adoption and utilization of GenAI in curricula and administrative processes.
  - Implement comprehensive training programs to enhance AI literacy among educators and administrators. Collaborations with international AI experts and institutions can facilitate knowledge transfer and skill development

Challenges and Recommendation

LYDINC | Love Your Design Lead Your Development

- Data Privacy and Security Concerns:
  - Implementing GenAI necessitates the handling of vast amounts of sensitive data, raising issues about data protection and ethical use. Ensuring compliance with international data privacy standards is essential yet challenging
  - Adopt stringent data privacy protocols aligned with global standards to safeguard sensitive information. Regular audits and the implementation of advanced cybersecurity measures are crucial.
- Ethical and Pedagogical Implications:
  - The integration of GenAI tools raises questions about academic integrity, potential biases in AI-generated content, and the overall impact on traditional teaching methodologies
  - Develop clear policies, code of conduct that govern the ethical use of GenAI in education. This encompasses establishing codes of conduct, revising assessment methods to uphold academic integrity, and ensuring transparency in AI applications

Challenges and Recommendation

LYDINC | Love Your Design Lead Your Development

- Initiate a hub of Vietnam AI for Higher Education Innovation (AI4HEI):
  - Encourage the launch of pilot projects that explore GenAI applications in various educational contexts. These initiatives can provide valuable insights and inform scalable implementation strategies
  - Engage in partnerships with global educational and AI communities to share best practices, resources, and research findings, fostering a collaborative approach to GenAI integration within Vietnam and ASEAN, International.

ACKNOWLEDGEMENT

QAA

BUILD-IT

LYDINC | Love Your Design
Lead Your Development

Chân thành cám ơn!

Passion for the best Quality and Innovation

Dr. Nguyen Thi Anh Thu
Founder, L.Y.D.I.N.C Ltd. Co.; Vice-dean, Faculty of Science and Technology, UD-DUT;
Vice-director, DNIIT International Institute of Technology, UD; QAA Reviewer, ASIIN Reviewer

Assoc.Prof.Dr. Pham Van Tuan
Vice-Director, Rector - LYDINC Institute, Quality Assurance Expert, L.Y.D.I.N.C Ltd. Co.;
AUN-QA Lead Assessor, QAA Reviewer, ASIIN Reviewer, Vietnam Accreditor

Hoang Tuan Anh, Tran Dinh Sang
Research and Development Department, L.Y.D.I.N.C Ltd. Co.