This work was supported by a Research Collaborations grant, ID [1203765317 Cui Vietnam], under the International Science Partnerships Fund. The grant is funded by the UK Department for Science Innovation and Technology in partnership with the British Council.

Supported by BRITISH COUNCIL

Inclusive use of Artificial Intelligence in Education in Vietnam

Dự án "MỞ RỘNG TIẾP CẬN GIÁO DỤC THÔNG QUA ỨNG DỤNG TRÍ TUỆ NHÂN TẠO TRONG DẠY HỌC Ở VIỆT NAM"

Teacher learning programme introduction

Dr Vanessa Cui (Birmingham City University)

Dr. Nguyen Thi Thu Trang (Ho Chi Minh City University of Education)

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Thank you
Cảm ơn
谢谢

To all participating teachers and eight high schools for joining our project and taking part in the project teacher learning programme

About the project

An interdisciplinary project that aims to:

"address the digital transformation across Vietnam focussing on developing practices with educators from diverse geographic areas and different gender groups across Vietnam on the use of Artificial Intelligence (AI) tools for teaching and learning (T&L)."

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Why is this important?

- Vietnam Government policies on digital transformation and AI in education have raised expectations for teachers to be confident and competent users of AI and to use AI effectively in teaching and learning.
- Teachers in Vietnam are keen to learn about how to use AI effectively and responsibly to support their students for the future world.
- The future of the working world will demand teachers and young people to use AI as part of their jobs, so it’s important that teachers can prepare themselves and their students for this.

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Project partners and members

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TRƯỜNG ĐẠI HỌC SƯ PHẠM THÀNH PHỐ HỒ CHÍ MINH
Ho Chi Minh City University of Education

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Project team

Dr Vanessa Cui (project principal investigator) is a Senior Research Fellow at Birmingham City University Centre for the Study of Practice and Culture in Education (CSPACE). She is an experienced practitioner education researcher with research interests and expertise on collaborations in interdisciplinary education practices and research, and policy-practice interactions. Vanessa is also an education research impact development and evaluation specialist who currently leads on the evaluation of British Council funded ‘Digital Doctorate Training Hub’ and ‘Teacher Educators Digital Hub’ projects with partners from across Vietnam.

Project team

Dr Louise Wheatcroft is a Senior Lecturer in ITE at Birmingham City University. In her research, Louise draws upon her experiences as a primary teacher and teacher educator to further research literacy and digital literacies in school and teacher education practices. Her PhD explored the digital literacy projects and practices of student teachers when navigating complex spaces in primary literacy classrooms. Louise has worked as a co-investigator on a number of international education research projects including the impact of Covid on schools, communities and pupils and teachers' digital practices in Vietnam (e.g. 'Teacher Educators Digital Hub' project).

Project team

- Dr. Jordan J. Bird: Senior Lecturer in Computer Science, specialising in AI, Machine Learning, and Human-Robot Interaction. He leads innovative projects such as AI-driven the Educational Literature Analysis tool for teachers and HistoriChat, a life-sized hologram enabling natural conversations with historical figures.

- Professor David Brown: Leader of the Interactive Systems Research Group and Director of the Computing and Informatics Research Centre at NTU. His research focuses on accessibility, social robotics, virtual reality for rehabilitation, and multimodal learning systems, contributing to numerous international projects.

- Dr. M. Arifur Rahman: Senior Lecturer in Computer Science at NTU, with experience at institutions like the University of Reading. He specializes in Human Language Technology and has authored books and scholarly articles. Dr. Rahman earned his PhD from The University of Sheffield and holds two academic gold medals.

Project team

Dr. Nguyen Thi Thu Trang

Director of the STEM Education Center

Lecturer at the Chemistry Department

PhD in Chemistry, University of Birmingham, UK

- Participated in various STEM projects and activities, including "Enhance STEM Education Capability of Vietnamese teachers”
- Contributed to various initiatives funded by the British Council i.e. ‘Digital Doctorate Training Hub’, STEM-POWER, EnPOWER, MGEMS….

Project team

Dr. Cao Anh Tuan

Vice President of HCMUE

- Holds a PhD in Physics from Paris University 11, France,
- Had extensive experience in scientific research and academic management
- Held key leadership roles, including Vice Dean and Dean of the Physics Department at HCMUE from 2012 to 2021.
- Committed to fostering innovation and academic excellence of education and research at HCMUE.

Project team

Assoc. Prof. Dr. Nguyen Van Hien: Party Secretary and Chairman of the University Board of HNUE. The main research directions include: the application of information technology in Biology teaching. Specific research branches include: studying the development of IT application skills in Biology teaching for students and teachers of the subject; researching the development and use of digital resources to innovate teaching methods in Biology; and researching the application of IT in the design and use of Biology practical experiments.

Project team

Assoc. Prof. Nguyen Hoai Nam is an Associate Professor of Education at Hanoi National University of Education (HNUE). He holds a bachelor's, master's, and doctorate degree in physics from HNUE. Currently, he serves as the Dean of the Faculty of Technology Education (FTE) at HNUE and also teaches as a visiting lecturer in the Faculty of Primary Education at the same institution. His research focuses on ICT in education, technology education, and STEM/STEAM education, and he has published several works in these areas.

Project team

Dr. Le Quang Vuong, a senior researcher and lecturer at Vinh University's College of Education, specializes in educational innovation, digital transformation, and project management. He has led numerous reform initiatives and interdisciplinary projects, contributing to capacity building and improved educational practices. His expertise will be instrumental to the project’s success.

Project team

Dr. Nam Tran holds a Ph.D. in Clinical Psychology. He is currently the Vice Rector of the University of Education, Vietnam National University, Hanoi (VNU) and the Vice President of the Vietnam Association of Psychology and Education Science. His research interests include child psychopathology, psychological intervention, parent training programs, and cross-cultural issues. Clinically, he is dedicated to working with children and adolescents with mood and behavioral disorders. His current research focuses on career-oriented education and talent education models for students.

Dr. Linh Doan is an experienced educational leader and researcher with extensive involvement in international collaborative projects across Europe, Asia, and the U.S. Since 2016, she has led and co-led over 15 cross-border initiatives focused on inclusive education, digital transformation, teacher professional development, and student wellbeing. Working with renowned institutions such as Queen Mary University of London, University of Hull, Indiana University, and University of Hiroshima, she has advanced systemic capacity building, gender equality in schools, and digital access for marginalized communities. Her work bridges policy, research, and practice to promote equity and innovation in education across diverse contexts.

Project team

Dr. Linh Do is a lecturer at the Faculty of Pedagogy, VNU University of Education. Her academic interests focus on Natural Science and Biology teaching methodologies, with a strong emphasis on education for sustainable development and inclusive education. She is particularly engaged in exploring the integration of information technology and artificial intelligence in educational contexts. Her recent work includes co-authoring a study on the application of virtual reality technology in biology education in Vietnam. She has also served as the scientific secretary for a project on implementing blended learning models in high schools in Quang Ninh province, and she is currently contributing to a national-level project focused on designing Industry 4.0 technology systems to enhance teaching and learning effectiveness.

Vinh is currently a lecturer at the Faculty of Education, VNU University of Education, Vietnam National University, Hanoi. His doctoral research is driven by both professional interest and practical experience in inclusive education. Specifically, He is investigating how digital technologies—particularly artificial intelligence (AI)—can be applied to enhance the teaching and learning of Physics for deaf students at the upper secondary level. This research sits at the intersection of educational science, assistive technology, and subject-specific pedagogy.

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The teacher learning programme

Overall aim:

To develop understandings, resources and practices with high school teachers across rural and urban areas in Vietnam on an inclusive and responsible use of AI in teaching and learning.

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The teacher learning programme

Objectives:

1. To share the latest research informed principles and practices on responsible use of AI in teaching and learning with teachers.
2. To equip participating teachers with knowledge, skills and confidence to apply principles of responsible use of AI in their own practices.
3. To provide opportunities for participating teachers to share their experiences and views on responsible use of AI in teaching and learning with each other and the project team.

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The teacher learning programme

Programme pedagogy:

Our teacher learning programme brings together **research informed** theories and education practices from the UK, Vietnam and international research.

It is **interdisciplinary** – combining education and computer science research and practice.

The programme is designed with **flipped learning** model, teachers will first watch the online asynchronous videos which prepare them for a series of online and in-person live sessions where they will put their learning into practice, guided by the project team expert teacher educators.

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The teacher learning programme

1. Online asynchronous learning A set of videos and accompany learning activities on: - What is AI and how it works; - Responsible use of AI principles; - Use AI in teaching and learning.	Mid July 2025	On project website
2. Live online workshops Two sessions with expert teacher educators on: - Using AI to plan, prepare and deliver teaching; - Using AI for assessment and teacher CPD.	Mid – End July 2025	Online via Zoom
3. In-person training In-person training delivered by expert teacher educators at your school on applying the use of AI in your practice	Autumn 2025	At your school