

TFK programme, funded projects 2025

Project title: Co-creating a MOOC on AI in STEM and Well-being Education	
Coordinator University of Turku Laszlo Major, laszlo.major@utu.fi	The project aims to foster cross-cultural collaboration between Finnish and Chinese higher education institutions by engaging educators and PhD students in co-creating a MOOC course on AI in STEM Education and Well-being. This initiative will combine online collaboration with intensive onsite meetings, first at Beijing Normal University (BNU) and Shanghai Jiao Tong University (SJTU) in China, followed by a similar onsite collaboration in Finland in 2026, hosted by the University of Helsinki (UH) and the University of Turku (UTU). Through these efforts, the project will contribute to the use of innovative AI applications for STEM and Well-being education (Thakkar et al., 2024), further strengthen academic partnerships between Finland and China. The course will not only introduce cutting-edge AI tools, but also provide participants with a critical understanding of their pedagogical potential, limitations, and ethical implications (Holmes & Tuomi, 2022). The MOOC will be designed to empower educators to integrate AI into their teaching practices with confidence and creativity. Particular attention will be paid to developing student agency, fostering critical thinking, and using AI in ways that support equity and student well-being (Chen, Chen & Lin, 2020).
Partners University of Helsinki, Beijing Normal University, Shanghai Jiao Tong University	A distinctive feature of the project is the active involvement of students and teacher educators from both countries as co-creators of the learning content. This participatory approach ensures that the MOOC reflects the diverse cultural and disciplinary perspectives of the participants and fosters meaningful dialogue between educational systems. The design will draw from research-based pedagogies and be informed by real-world applications of AI in scientific research and education (Mishra et al., 2024). By combining the Finnish expertise in student-centered learning and STEM education with the Chinese partners' strength in well-being-oriented AI applications, the project creates a unique synergy. In addition to academic outcomes, the project contributes to the long-term goal of building sustainable collaboration networks, enhancing digital readiness, and expanding opportunities for international learning and cooperation.



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