Centre for Excellence In AI in Education

Creating an open, co-created and co-guided toolkit to support staff integration of AI literacy and skills into the curricula

Dr Lilian N. Schofield, Prof Xue Zhou, Prof Daniela Tavasci, Prof Lesley Howell, Dr Cassandra Lewis, Dr Aisha Abuelmaatti

Motivation for the project

- A need for a cohesive framework at module and programme levels to guide educators in integrating AI literacy into the curricula across disciplines at QMUL.
- Align with QMUL graduate attribute skills and the QMUL Centre for Excellence in AI in Education.

Objective

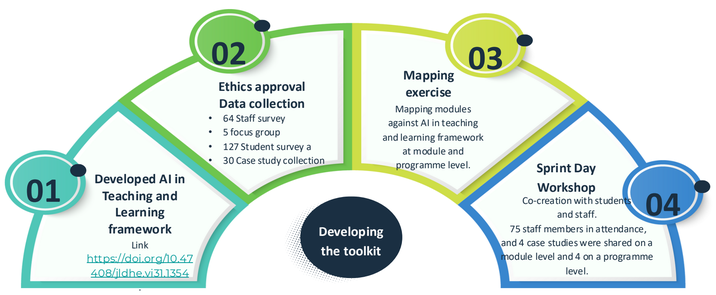
Develop an accessible, open-source toolkit co-created and co-guided by academic staff and students to effectively integrate AI literacy and skills across curricula at QMUL

Literature

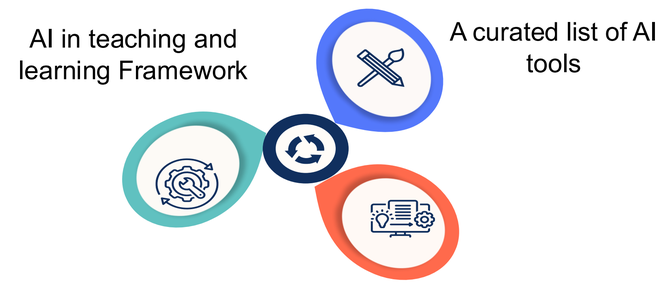
AI framework

- UNESCO (2024): AI Competency Framework for Teachers.
- Ng et al. (2021): AI Literacy Dimensions. This framework defines AI literacy through four learning dimensions inspired by Bloom's taxonomy: (**Know and Understand, Use and Apply, Evaluate and Create, Ethical Engagement).**
- Zhou & Schofield (2024) AI in teaching and learning framework.

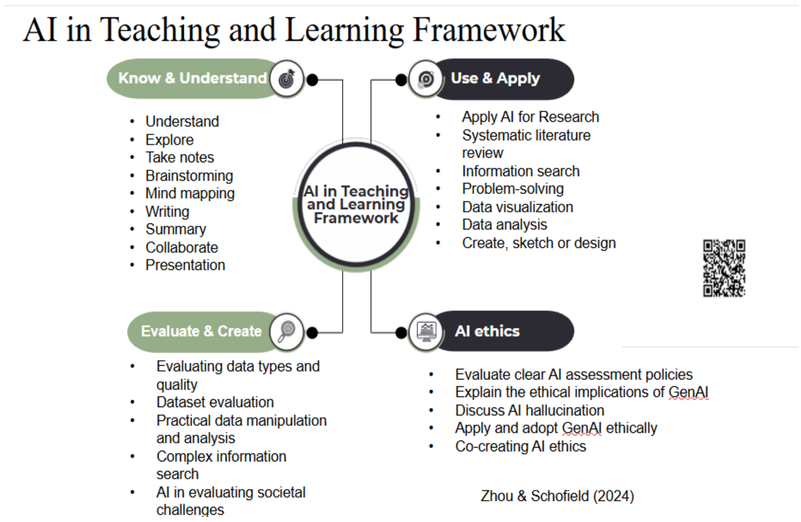
Approach to developing the toolkit



Key resources and tools in the toolkit



Deliverable 1: AI in Teaching & Learning Framework



Key deliverable 2: Sprint Day Workshop

- **Showcased AI in teaching and learning framework**
- An interactive, collaborative session attended by 75 staff members, and 4 case studies were shared on a module level and 4 on a programme level.

Impact

- The AI in Teaching and Learning framework has gained national and international recognition and has been widely circulated, including the AI literacy newsletter. It has been requested by 31 academics globally.
- Over 30 QMUL modules and 4 programmes have adopted the AI framework.
- **Special issue:** the role of AI in active learning and constructivist learning, received 36 submissions worldwide.
- **Publications:** Zhou, X. & Schofield, L. (2024) "Developing a conceptual framework for Artificial Intelligence (AI) literacy in higher education", Journal of Learning Development in Higher Education, (31). DOI: https://doi.org/10.47408/jldhe.vi31.1354. (Nominated for the 2025 JLDHE Article of the Year Award by the Journal of Learning Development in Higher Education's community and its Editorial Board).
- **Conferences:** Schofield, L., Zhou, X., Howell, L., Lewis, C., Tavasci, D., and Abuelmaati, A. (2025). Practical cross-disciplinary examples of using AI in teaching and learning framework to support students' employability skills. Advance HE's Teaching and Learning Conference.
- Schofield, L., Zhou, X., Woon, A. and Petrov., G. (2025). Embedding AI Literacy in Undergraduate Business Education Programme. Chartered ABS LTS conference.

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l.schofield@qmul.ac.uk