

MOE Rapid Research (RR) Lines of Inquiry

1. RR is focused on local and empirical educational technology (EdTech) research that can be completed in 6 to 9 months.

2. RQs should be focused around MOE's AIED and EdTech research agenda, which are clustered around "4 Learns".

- a. Learn about AI/EdTech - Understand what AI/EdTech is, how it works, and its societal implications
- b. Learn to use AI/EdTech - Develop ability to engage with AI/EdTech tools effectively, ethically and responsibly
- c. Learn with AI/Edtech - Collaborate with AI/EdTech to enhance thinking, creativity and learning outcome
- d. Learn beyond AI/EdTech - Develop the meta-intelligences that underpin human wisdom, ethics, and emotional understanding.

3. Each facet of the "4 Learns" opens up different Lines of Inquiry (LOIs). These LOIs will be updated regularly as technology and MOE's focus change.

Learn about AI/EdTech

[1.1] What are the AI/EdTech literacies that users (educators and learners) need and how can these be effectively taught across settings (e.g., in general education, higher education and continuing education)?

Learn to use AI/EdTech

[2.1] What are educators' and learners' attitudes towards AI/EdTech and how do these attitudes influence the way they use AI/EdTech?

[2.2] What are some pedagogies (educators) and skills (e.g. metacognitive habits, social-emotional competencies) (learners) that allow AI/EdTech tools to be used effectively for teaching and learning?

Learn with AI/EdTech

[3.1] How can educational AI/EdTech tools be designed or used in ways that lead to better learning for cognitive (i.e., motivation, attention, retention and transfer) and other more holistic learning outcomes (i.e., 21CC)?

[3.2] How can educational AI/EdTech re-design teaching and learning through synergistic human-AI teaming to promote both educator and learner development?

Learn beyond AI/EdTech

[4.1] Beyond cognition, how can our structures, systems and tools be better designed to mitigate affective, social/societal and ethical risks that emerge with AI/EdTech?

[4.2] What are key qualities and competencies required for humans to flourish in an AI world?

4. RR proposals should make clear which LOIs their RQs seek to answer. Some examples of the alignment between completed and current studies and LOIs are listed below.

LOIs	Study
2.1	26B.5
2.2	26B.1, 26B.6
3.1	26A.4, 26B.4
3.2	26A.2, 26A.7
4.1	26B.3

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