



Week 5 discussion: Using ARCHED framework to ensure responsible use of AI in instructional design _ Vinaya. ▾

Vinaya Kulkarni posted Sep 24, 2025 10:25 AM • 340 Words ★ Subscribed

For this discussion, I chose the article, "*ARCHED: A Human-Centered Framework for Transparent, Responsible, and Collaborative AI-Assisted Instructional Design*" (Li, Fang, Zhang, Lee, Wang, Trexler & Botelho, 2025)

This article introduces the **ARCHED framework**, a **structured, multi-stage** model for utilizing artificial intelligence (AI) tools in instructional design, while maintaining human control over the creative and decision-making processes. The framework is built on 3 guiding principles: 1. Humans remain in control of the process throughout the journey from design to implementation, using AI as a collaborative tool. 2. Provide complete transparency with justifications for the use of all AI-generated suggestions and materials to help educators make informed decisions. 3. Provide a diverse range of learning objectives and assessment strategies to help overcome the dependence on a standardized approach favored by AI. (Li, et al, 2025)

Instead of letting AI take over, ARCHED suggests a partnership: AI can generate ideas, options, or align activities with learning goals, but the instructional designer reviews, edits, and decides what to use. The framework is designed to enhance efficiency without compromising quality or transparency. Early testing showed that when designers used ARCHED, the final lessons and materials were considered higher-quality by experts, but still clearly shaped by human judgment.

I think this is an important trend because AI is now part of almost every educational technology conversation. Many teachers and designers want to use it but worry about accuracy, over-reliance, or even losing their professional role. ARCHED appears to have the potential to strike a balance—it speeds up design work while ensuring that humans remain the "final filter." As our field adapts to new technologies, models like this can help instructional designers use AI responsibly while keeping the focus on targeted learning outcomes. Reading about this framework made me feel less threatened by AI, especially as a beginner in the field of ID.

Reference

Li, H., Fang, Y., Zhang, S., Lee, S. M., Wang, Y., Trexler, M., & Botelho, A. F. (2025). *ARCHED: A Human-Centered Framework for Transparent, Responsible, and Collaborative AI-Assisted Instructional Design*. arXiv. <https://arxiv.org/abs/2503.08931>