

Human Computer Interaction and Application of Digital Technologies: Improving Teaching and Learning

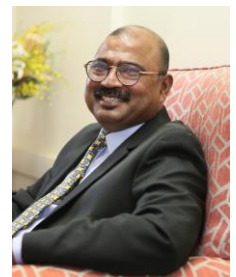


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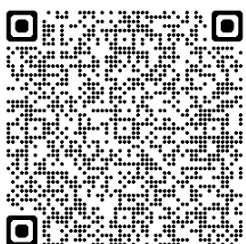


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Summary: This Topical Collection is intended to examine the use of emerging technologies (data science and artificial intelligence (AI)) to improve teaching and learning in higher education. Additionally, this call is a response to the application of emerging technologies, AI and data science influence on pedagogy and curriculum development as well as features to consider in creating environments for learning. Attention is also given to data-based AI processing paths, dangers, and challenges in teaching programming to non-science disciplines. The call also considers models/theories for teaching and learning in data-based AI and practical examples on the use of predictive/algorithmic-based modelling.

Keywords: Educational Digital Technologies; Artificial Intelligence (AI); Data Science; Curriculum Development; Human-Centric Learning



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