

Technological Affordances: Guidelines for E-Learning Design

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Abstract : A review of the literature in the last few years reveals that little attention has been paid to technological affordances in e-learning designs. However, affordances are key to engaging students and enabling teachers to actualize learning goals. E-learning systems (software and artifacts) need to be designed in such a way that the features facilitate perceptions of the affordances with minimal cognition. This study aimed to fill this gap in the literature and encourage further research in this area. It provides guidelines for facilitating the perception of affordances in e-learning design and advances Technology Affordance and Constraints Theory by incorporating the affordance-based design process, the principles of multimedia learning, e-learning design philosophy, and emotional and cognitive affordances.

Keywords : e-learning, technology affordances, affordance based design, e-learning design

Conference Title : ICET 2023 : International Conference on Educational Technology

Conference Location : New York, United States

Conference Dates : December 11-12, 2023