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The Impacts of Low-Code Development on IS Learning

Research-in-Progress

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ABSTRACT

New jobs in the IT/IS fields increasingly emphasize the importance of technological skills such as programming and soft skills like communication and collaboration. MIS educators have explored various strategies to actively engage students in a meaningful learning experience and enable the development of essential skills. Emerging technology and method, such as low-code and no-code platforms, enables software development without writing codes. A low-code development platform allows the configuration and application of technology at a high level of abstraction and enables accelerated delivery of applications with reduced effort on coding. Additionally, the social and collaboration capabilities on the platform facilitate communication and improve the learning process. This study explores the benefits that low-code platforms bring to IS students' learning. Based on absorptive capacity theory, this paper examines how features of low-code development and platform facilitate students' development of knowledge creation and utilization. Research hypotheses are developed, and plans for data collection are discussed. The results of this study will potentially offer insights into IS students' learning processes on low-code development.

Keywords

IS learning, low-code, absorptive capacity.