

Systematic Investigation on the Impact of Cloud Computing on the Advancement of E-Learning

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Abstract: *Online communication platforms are utilized to facilitate e-learning, which is a form of virtualized computing, as well as remote learning, as a tool in the teaching-learning process. Over the past two years, there has been a substantial increase in the growth of e-learning platforms. Digitizing the learning process involves utilizing data mining techniques to extract and analyze educational information from internet databases. This is done with the aim of enhancing the educational learning paradigm. Cloud computing has the potential to serve as a platform for facilitating e-learning systems. By providing a flexible solution for the sustainable optimization of computer resource utilization, it can be automatically modified. When working with extensive e-learning datasets, it is more convenient to utilize data mining techniques in a distributed environment. The research offers a concise overview of the present state of cloud computing.*

Keywords: E-Learning, Cloud Computing, Virtual Learning, SaaS, PaaS, IaaS