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# Enterprise Systems and Emerging Technologies - A Futuristic Perspective and Recommendations for a Paradigm Shift and Sustainability

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## Abstract

This study explores the enterprise systems technology solutions and various phases of its evolution that triggered through the wide adoption of product development practices and process involvement, the significance of enterprise systems and various technology evolution that enhanced the dynamics of the enterprise computing systems, with an improved performance, scalability are

discussed. The emergence of hypervisor and virtualization platform solutions benefited the enterprise organizations to scale their infrastructure and application portfolio to meet the dynamic business needs without major challenges. Over the last few years web based cloud platform adoption is booming, that offers enterprise computing solutions "as a service" with subscription based pay as you utilize pricing model that brings nearly no CAPEX to avail the solution and enabled with the high-availability, scalability, elasticity, security and governance. More recently, with the proliferation in the industry ecosystem, customer demands across the board, and wide range of technology solutions adoption and frequent innovations, led us to, yet another industry revolution 4.0 - which references to various digital transformation paradigms and other pioneering solutions i.e., automation, artificial intelligence, machine learning etc., through this descriptive study paper assessed the key factors to realize AI, probable way to adopt AI, use cases, inferences, competitive advantages, current and futuristic perspectives and opportunities to address the contiguous inevitable challenges through adoption of artificial intelligence; further discussed on the emergence of AI, benefits, gaps and recommendations to achieve it, are explained in detail.

Keywords

[Artificial intelligence](#)    [Information systems](#)

[Automation](#)    [Digital transformation](#)

[Technology adoption](#)    [Industry 4.0](#)

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Research Guide Dr. Meenakumari

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