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Managing Information Technology in Health Facilities: A Systematic Review of a Decade

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Abstract

This study aims to explore the success factors and efforts of information technology governance in health facilities based on scientific literature from 2014 to 2024. Using a Systematic Literature Review (SLR) approach, 17 relevant studies were analyzed. Four themes emerged based on the results of the literature review: Information Technology and Business Value, IT Orchestration, Applications in the Healthcare Industry, and IT Architecture. This study identifies multiple success factors and mechanisms critical to the implementation of IT governance in healthcare facilities. It is suggested that a comprehensive framework can serve as a reference for IT governance implementation, particularly within healthcare environments. © 2025 IEEE.

Author keywords

Ambidexterity; Digital Orchestration; healthcare; IT Architecture; IT Governance

Indexed keywords

Engineering controlled terms

Information management

Engineering uncontrolled terms

Ambidexterity; Digital orchestration; Health facilities; Healthcare; Information technology governance; IT architecture; IT governance; Scientific literature; Success factors; Systematic Review

Engineering main heading

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