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A Review on Implementing Lean Construction Technique in Construction Industry

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Abstract: In this literature review the concept of lean construction and its impact on time, cost, and resource management in construction projects are explored. The study examines various research articles and academic papers in the field of lean construction to identify the primary themes and findings. The review indicates that lean construction practices can have a positive effect on time, cost, and resource management by reducing waste, enhancing communication, and encouraging collaboration among stakeholders. The implementation of lean construction principles has been demonstrated to lead to shorter project durations, lower costs, and better resource allocation. However, the review also acknowledges the challenges associated with implementing lean construction in the construction industry, such as resistance to change, limited knowledge and understanding, and difficulties in assessing its impacts. In conclusion, this literature review concludes that lean construction has the potential to enhance time, cost, and resource management in construction projects, and proposes the need for further research to overcome the challenges and facilitate its adoption.

Keywords: Lean construction, Time, cost, resources management

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