

An Examination of the Application of Lean Management in Web Sites for Construction and its Implications

Jitendra Narayan Vyas¹ and Dr. M. Palanisamy²

Research Scholar, Department of Civil Engineering¹

Assistant Professor, Department of Civil Engineering²

Sunrise University, Alwar, Rajasthan, India

Abstract: *A useful management approach for raising productivity in the construction industry is lean construction. In order to implement lean management concepts on construction sites worldwide, much study has been conducted recently. The lean approach is difficult to use in the construction industry for numerous reasons. This study focuses on a number of lean management studies that have been carried out on construction sites throughout the globe, the findings of those studies, and an analysis of the significance of adopting lean management in such settings.*

Keywords: Lean management, construction sites, review paper, efficiency, waste reduction, process optimization

REFERENCES

- [1]. Oguntona O A and Aigbavboa C O (2018), An Assessment of Lean Construction Practices in the Construction Industry, International Conference on Applied Human Factors and Ergonomics, 524 – 534, Springer, Cham.
- [2]. Abbasian Hosseini and Nikakhtar (2012), Flow Production of Construction Processes through Implementing Lean Construction Principles and Simulation, IACSIT International Journal of Engineering and Technology, 4, 475 – 479.
- [3]. Luis Alarcon and Loreto Seguel (2002), Developing Incentive Strategies for Implementation of Lean Construction, Proceedings International Group of Lean Construction 10th Annual Conference, Universidad Federal de Rio Grande do Sul, 6 – 8.
- [4]. Amin Nikakhtar and Abbasian Hosseini (2015), Application of Lean Construction Principles to Reduce Construction Process Waste using Computer Simulation: A Case Study, International Journal of Services and Operations Management, 20, 4, 461 – 480.
- [5]. Sepani Senaratne and Duleesha Wijesiri (2008), Lean Construction as a Strategic Option: Testing its Suitability and Acceptability in Sri Lanka, Lean Construction Journal, 34 – 48.
- [6]. Salem and J Solomon (2005), Site Implementation and Assessment of Lean Construction Techniques, Lean Construction Journal, 2, 1 – 58.
- [7]. Fiona Keru Mwacharo (2013), Challenges of Lean Management: Investigating the Challenges and Developing a Recommendation for Lean Management Techniques.
- [8]. Saad Sarhan (2018), Institutional Waste within the UK Construction Industry: An Exploratory Study.
- [9]. Formoso C T and Soibelman L (2002), Material Waste in Building Industry: Main Causes and Prevention, Journal of Construction Engineering and Management, 128, 316 – 325.
- [10]. A Forsberg and L Saukkoriipi (2007), Measurement of Waste and Productivity in relation to Lean Thinking, Proceedings for 15th Annual Conference of IGLC, 67 – 76.
- [11]. S Bertelsen (2004), Lean Construction: Where are we and How to proceed, Lean Construction Journal, 1, 46 – 49.
- [12]. Formoso C T and Isatto E L (1999), Method for Waste Control in the Building Industry, Proceedings of the 7th Annual Conference of IGLC, 325 – 334.

- [13]. K P Ramaswamy and S N Kalidindi (2009), Waste in Indian Building Construction Projects, Proceedings of the 17th Annual Conference of IGLC, 3 – 14.