



IPM

L&T INSTITUTE OF PROJECT MANAGEMENT



Santhosh Loganathan

M.E, PhD Research Scholar

Areas of research and teaching

- Construction productivity
- Managing teams in projects
- Organisational behaviour
- Workforce management
- Lean construction
- Data analysis for management
- Stakeholder management

Santhosh Loganathan is a Research Associate in L&T Institute of Project Management. His doctoral study focusses on teamwork and productivity of onsite construction crews in the Indian and Australian context. He has conducted in-depth case studies documenting the onsite project management practices in the Indian and Australian construction projects. He has closely worked with the industry experts in India and Australia under various avenues to evaluate the distinctive industry specific challenges in both the contexts.

At University of Technology Sydney Australia, as a causal teacher, he had instructed in Construction management and Project Management courses for both Bachelor and Postgraduate levels. His teaching includes subjects such as Design Team Management, Site Establishment and Management, Engineering Project Preparation and Engineering Project Reflection.

He was core member for a construction industry improvement initiative known as 'Ci3' (<http://ci3.in/>). In this initiative, spanning three years, he had closely worked with some of the large construction clients and developers (such as CPWD, L&T Realty, Mahindra, TRIL, CTS), consultants (such as JLL, WTP, Cushman Wakefield, FABS), and leading academics of the country in industry specific projects. The scope of work consists of identification and formulation of

construction industry KPIs, development of best practices for human capital, productivity and upskilling of construction workforce and professionals.

He was a co-investigator in a project awarded by Australia-India council, DFTA, Govt. of Australia to understand the impact of prefabricated construction to improve mass housing delivery in the Indian and Australian context. The project enabled key stakeholders in each jurisdiction to document and exchange knowledge about the respective construction industry practices, manufacturing supply chains, end user requirements, policy contexts, market dynamics and opportunities for trade. So far, he has authored five international journals papers, eight international and national conference papers, and five industry working papers and roundtable reports.

Qualifications

- B.E (Civil Engineering, Anna University) – 2010
- M.E (Construction Engineering and Management, Anna University) – 2013
- PhD (Construction Project Management, Indian Institute of Technology Madras and University of Technology Sydney, Australia) – Ongoing

Awards and Scholarships

- University Rank Holder, Anna University, at the Bachelor's level
- University Rank Holder, Anna University, at the Master's level
- Half-time Teaching and Research Assistantship, MHRD, Govt. of India
- University of Technology Joint Degree and President's Scholarship, Govt. of Australia

Publications

- Loganathan, S. and Forsythe, P. (2020). "Unravelling the influence of teamwork on trade crew productivity: a review and a proposed framework", *Construction Management and Economics*, pp.1-21.
<https://www.tandfonline.com/doi/abs/10.1080/01446193.2020.1795900>
- Loganathan, S., Forsythe, P. and Kalidindi, S.N. (2018), "Work practices of onsite construction crews and their influence on productivity", *Construction Economics and Building*, 18(3), p.18-39.
- Loganathan, S., Srinath, S., Kumaraswamy, M., Kalidindi, S. N. and Varghese. K. (2017), "Identifying and addressing critical issues in the Indian construction industry: Perspectives of large building construction clients", *Journal of Construction in Developing Countries*, 22(Supp. 1), pp.121–144.

- Kumaraswamy, M., Mahesh, G., Mahalingam, A., Loganathan, S., Kalidindi, S. N. (2017), “Developing a clients’ charter and construction project KPIs to direct and drive industry improvements”, *Built Environment Project and Asset Management*, 7(3), pp.253-270.
- Loganathan, S. and Kalidindi, S. N. (2015), “A review of labor productivity research in construction”, *International Journal of Technology*, 5(2), pp. 91-99.
- Loganathan, S. and Kalidindi, S. N. (2017), “Labor sub-contracting issues in the Indian construction industry”, in *PMI Research and Academic Conference*, 2-4 March 2017, IIT Delhi, Delhi, India, pp. 145-152. (Won Best Jury award paper in the conference).
- Loganathan, S. and Kalidindi, S. N. (2016), “Absenteeism and Turnover of Migrant Construction Workers in Indian Projects—A Survey-Based Study”, in *Construction Research Congress*, 31 May-2 June 2016, Puerto Rico, USA, pp. 1793-1802. <https://ascelibrary.org/doi/abs/10.1061/9780784479827.179>
- Doloi, H.K., Loganathan, S., Kalidindi, S. N. and Mahalingam, A. (2016), “Assessment of Stakeholders’ Management Practice in Infrastructure Projects—An Indian Case Project”, in *Construction Research Congress*, 31 May-2 June 2016, Puerto Rico, USA, pp. 1465-1474.
- Loganathan, S. and Kalidindi, S. N. (2015), “Masonry labor productivity variation: An Indian case study”, in *Indian Lean Construction Conference*, 6-7 February 2015, Mumbai, India, pp. 175-185.
- Loganathan, S., Balasubramanian, M., Ram, V. G., Mahalingam, A., Kalidindi, S.N., Newton, S., Forsythe, P. (2019), “How to deliver quality Housing for All by 2020?”, https://masshousing.online/files/Research/AustraliaIndiaCouncil_Roundtables_2019/Report_Chennai.pdf
- Loganathan, S., Kumaraswamy, M. and Mahesh, G. (2016). “Construction Industry Institute India (Ci3) working paper on identification and formulation of key performance indicators for Indian construction”, http://ci3.in/working_papers.html
- Loganathan, S., Chakravarthy, K., Kalidindi, S. N. (2016). “Construction Industry Institute India (Ci3) working paper on human capital and productivity”, http://ci3.in/working_papers.html