



Dr. Santhosh Loganathan

B.E., M.E., Ph. D. (Indian Institute of Technology Madras and University of Technology Sydney Australia)

Areas of research and teaching

- Project planning and control
- Construction productivity
- Project risk management
- Project stakeholder management
- Managing teams in projects
- Lean construction

Dr. Santhosh Loganathan is a Faculty in L&T Institute of Project Management (IPM). He teaches project management courses to project personnel of varying experience levels – from graduate engineer trainees to 20 years experienced project professionals (engineers & managers). He develops project management case studies on large and mega projects executed by L&T for project management teaching and training purposes.

He is involved in the core team that designed and developed ‘PRAGATI’, the project leadership development program of L&T. Under ‘PRAGATI’, a project management competency framework for L&T is developed, and four career progression programs based on the framework are designed.

He is also involved in co-designing and operationalizing an advanced project leadership development program for L&T in academic collaboration with the Indian Institute of Management Calcutta (IIM Calcutta).

He is leading the Editorial Team of PRISM, a project management magazine within L&T. IPM PRISM covers emerging and contemporary project management themes, such as project controls, sustainability in project management, digitalisation and project management etc. He has co-developed an e-learning course on project management for engineers for L&T EduTech.

Recently, he has been conducting behavioural training for project professionals, including training sessions on situational leadership, project communication, team building and people management, critical thinking, and interpersonal skills. The behavioural training sessions are conducted in the context of project management.

Dr. Santhosh's Ph.D. is in the construction project management area. It focused on productivity and teamwork of construction teams. He conducted extensive field studies in Indian and Australian construction projects to understand team-based skills and behaviours of construction teams and their influence on productivity and project performance. He had closely worked with industry experts in India and Australia under various avenues to evaluate the distinctive industry-specific challenges in both contexts.

As a casual teacher at the University of Technology Sydney Australia, he had instructed in Construction Management and Project Management courses for both Bachelor and Postgraduate levels. His teaching includes design team management, site establishment and management, engineering project preparation and reflection.

He was a core member of a construction industry improvement initiative known as 'Ci3' (<https://ci3.co.in/>). In this initiative, spanning three years, he had closely worked with some of the large construction clients and developers (such as CPWD, PWD of different states, L&T Realty, Mahindra, TRIL, CTS), consultants (such as JLL, WTP, Cushman Wakefield, FABS), and leading academics of the country in industry-specific projects. He co-authored industry reports on identifying and formulating construction industry KPIs, developing best practices for human capital, productivity and upskilling of construction workforce and professionals.

He had been a core member in a project awarded by the 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, Dr. Santhosh has authored five international Journals papers, nine international and national conference papers, two book chapters, and three industry working papers and roundtable reports.

Qualifications

- B.E (Civil Engineering), Anna University.
- M.E (Construction Engineering and Management), Anna University.
- Ph.D. (Construction Project Management), Indian Institute of Technology Madras and University of Technology Sydney, Australia.

Awards and Scholarships

- University Rank Holder – in B.E Civil Engineering, awarded by Anna University in 2010.
- University Rank Holder – in M.E Civil Engineering, awarded by Anna University in 2013.
- Half-time Teaching and Research Assistantship, IIT Madras, MHRD, Govt. of India.
- University of Technology Joint Degree and President’s Scholarship, Govt. of Australia

Publications

Journal papers

1. Manivannan, J., Loganathan, S., Kamalanabhan, T. J. and Kalidindi, S.N., 2022. Investigating the relationship between occupational stress and work-life balance among Indian construction professionals. *Construction Economics and Building*, 22(2), pp.27-51.
2. 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>
3. 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.
4. 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.

<https://doi.org/10.21315/jcdc2017.22.sup1.7>

5. 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.

Book chapters

1. Loganathan, S., Bahinipati, C.S., Ram, K.S. and Kalidindi, S.N. (2021). “Policies and Priorities for Developing Capacity to Build High-Quality Infrastructure”. *Frontiers in High-Speed Rail Development*, p.510.
2. Kalirajan, S. and Loganathan, S. (2021). “Impact of Digitalization in Organizational Learning and Knowledge Management”. *Innovations in Teaching and Learning in the Covid-19 Crisis*, p. 102.

Conference papers

1. Rastogi, A., Loganathan, S. and Kalirajan, S. (2021). “Digitalising lean construction approach with Construction 4.0 solutions” in *Indian Lean Construction Conference (ILCC) 2021*, 1-4 December 2021, CEPT University Ahmedabad, pp. 529-538.
2. Kaliyan, Loganathan, S., Kalirajan, S. and Kalidindi, S.N. (2021). “Implementation of last planner system in an Airport construction project”, in *Indian Lean Construction Conference (ILCC) 2021*, 1-4 December 2021, CEPT University Ahmedabad.
3. Harshendu, T., Shanmuga, P., Santhosh Loganathan, S. and Purushothaman, S. (2020), “On-site Labour Productivity Challenges in Indian Construction projects”, in *International conference on Triple Helix Ecosystem for Earth, Environment and Energy (THE3E 2020)*, 18 – 19 March 2020, PSG Institute of Technology and Applied Research, Coimbatore, India, pp. 22.
4. Prakash, A., Shanmuga, P., Purushothaman, S. and Santhosh Loganathan, S. (2020), “Utility of Schedules in Large Indian Construction Projects”, in *International conference on Triple Helix Ecosystem for Earth, Environment and Energy (THE3E*

- 2020), 18 – 19 March 2020, PSG Institute of Technology and Applied Research, Coimbatore, India, pp. 26.
5. 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).
 6. 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>
 7. 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.
 8. Loganathan, S. and Rengaraju, V. R. (2016), “A study on risk management practices in a metro rail project”, in International Conference covering the fields of Construction, Real Estate, Infrastructure and Project, 21-22 Oct. 2016, Pune, India.
 9. 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.

White papers

1. 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
2. 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

3. 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