

[In conjunction with Indian Lean Construction Conference, 2022]

The inaugural edition of **Lean Project Competition 2022**

About the one-of-a-kind industry and academia event

Greetings from National Institute of Construction Management and Research (NICMAR) Hyderabad and Institute for Lean Construction Excellence (ILCE).

We invite you to participate in the inaugural edition of an exciting lean construction showcase event – **the Lean Project Competition 2022** – to be held in conjunction with the Indian Lean Construction Conference (ILCC), 2022. For this one-of-a-kind, multi-stage feature leading up to the grand finale during ILCC 2022, we solicit teams from the construction industry and academia to exhibit their excellence in lean thinking and practice.

Who can participate?

Three categories of teams¹ can participate in this competition to win the corresponding annual rolling trophy:

- ✚ **Category 1** – Consisting of members (lean practitioners) from an organization of construction industry
- ✚ **Category 2** – Consisting of students/researchers/faculty members (lean thinkers) from an academic institution
- ✚ **Category 3** – Consisting of lean practitioners from an organization of construction industry and lean thinkers from an academic institution (a mix of category 1 and category 2)

¹ A maximum of five members per team is allowed. Multiple teams can participate from the same organization/institution. Members of a team in Category 1 or Category 2 can also be a part of another team in Category 3.

Competition Problem Statement 2022

While adoption of lean principles can be challenging, the true test today remains the integration and sustenance of Lean Construction with the organizational priorities. The crux of this competition is the interventions required towards the People-Processes-Technologies triad in the present and future of Lean Construction. The goal of the teams is to conceptually and/or practically showcase such a lean intervention(s) package by responding broadly (but not limited) to the following questions².

1. How can Lean Construction aid the management of people (and vice versa)?
2. How can Lean Construction aid the transformation of technologies (and vice versa)?
3. How can Lean Construction aid the transformation of work processes (and vice versa)?
4. How can people, processes and technologies influence each other in sustaining Lean Construction?

Key Dates and Submissions by the teams

The lean intervention package consists of (i) structured abstract (ii) interim report and presentation (iii) pre-final report and presentation (iv) synopsis and final presentation – to be submitted by the teams in multiple stages.

- Submission of structured abstracts for single-blind review and registration in the ILCC 2022 website – **23.59 PM 15th August 2022**

Structured abstracts should contain the following details: Title, author names, author affiliations, overview of the target problem, current practice and implication, intervention proposed, impact on/of people-processes-technologies, envisioned practice and implication. Structured abstracts should be mailed to bmahesh@nicmar.ac.in and technical.secretary1@ilce.in

² Hamzeh, F., González, V. A., Alarcon, L. F., and Khalife, S. (2021). "Lean Construction 4.0: Exploring the Challenges of Development in the AEC Industry." Proc. 29th Annual Conference of the International Group for Lean Construction (IGLC29), Alarcon, L.F. and González, V.A. (eds.), Lima, Peru, pp. 207–216 <https://iglcstorage.blob.core.windows.net/papers/attachment-3225d7fb-cc6b-4c4d-a70d-fb448ae10831.pdf>

- Submission and review of interim report and presentation – **Third and fourth week of Sep 2022³**
- Submission of pre-final report, synopsis and presentation – **Second and third week of Nov 2022³**
- Final presentation to jury during the **ILCC 2022, Dec 2022³**

Guidance and Evaluation

Guidance will be provided to the teams for each submission in the form of pre-conference and handholding webinars. The submissions will be graded based on relevance, alignment with the problem statement, reflection of lean principles, tradeoff projections, demonstration of benefits, significance of impact and conceptual/practical limitations amongst other parameters.

Registration

Registration is mandatory for each team to be considered in the competition. The registration form can be accessed through this link www.tinyurl.com/LPC2022 or by scanning the QR code. The following non-refundable registration fee needs to be paid along with the submission of structured abstracts as per the appropriate category:

- ✚ Category 1 – Rs.1000 per team exclusive of GST
- ✚ Category 2 – Rs.500 per team exclusive of GST
- ✚ Category 3 – Rs.750 per team exclusive of GST



Benefits and Rewards

The teams will constitute a colloquium of rich knowledge exchange on Lean Construction. The winning team of each category will be awarded with an annual rolling trophy. Mementos will be awarded to the winning and runner-up teams. Certificates of participation will be awarded to all participants.

³ Templates and exact dates will be shared to the registered participants.

Internships and pre-placement opportunities are also in offering for the student participants based on their performance and credentials.

Key Contacts

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