


Introduction to Lean Construction
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Module 1 Lecture 3
ILCE, Conferences, Resources, Further Work Possible


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S01.03: Lean in India: ILCE – Conferences, Course Resources, Possible Interactions with the Instructors, Criteria to Get a Certificate, Further Work Possible

- Learning objectives
 - To Familiarize with Lean in India - ILCE, Conferences (ILCC2015, ILCC2017, ILCC2019, ILCC2021, IGLC2018, LIPS2019...)
 - To Become Aware of Course Resources, Possible Interactions with the Instructors, Criteria to Get a Certificate, and Further Work Possible

Topics to be Covered Slide






Introduction to Lean Construction: Module 1 – Lean Basics – Session 01 – Introduction to the Course

Hello, welcome to the session S01.03, it is about Lean in India, which are the organizations which is driving Lean in India, the kind of various conferences we had, other resources available and what people have been talking about Lean, and what are the criteria for getting a certificate from this course.

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Brief – Institute for Lean Construction Excellence (ILCE)


- The Institute for Lean Construction Excellence (ILCE) is a not-for-profit organisation established in 2008 to facilitate the creation of a world-class Indian construction sector and establish new *global benchmarks* in the performance of construction projects
- Lean construction developed around 1990 and came to India in 2008 when ILCE was formed
- *Like-minded organizations* joined to develop ILCE, which *develops and disseminates knowledge and information* on Lean construction concepts and practices
- Since 2008, ILCE has organized several seminars, workshops and webinars in the country, also featuring expert international speakers
- ILCE intends to drive the *Lean culture in India* by focusing on creating awareness drives on Lean principles and increasing the number of Lean practitioners in the Indian construction industry
- The Development of a *Lean Maturity model* with IITM will help construction companies understand the level of Lean propagation and awareness in their respective companies

Institute for Lean Construction Excellence (ILCE) – Website: <http://www.ilce.in/>





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To tell you briefly about the organization, which is driving Lean in this country primarily is called ILCE, The Institute for Lean Construction Excellence. Lean actually came to India around 2008, when ILCE was formed as a not for profit-body by very senior construction agencies who are interested in taking the construction industry to a much higher level.

So, we have excellent charter members like for example, AFCONS, ARCOP Architects, Godrej Constructions, L&T Construction, Shapoorji Pallonji, Tata Housing and Infrastructure, URC Construction and all with IIT Madras, The Indian Institute of Technology Madras as the knowledge partner.

So, even though Lean construction developed around 1990 elsewhere in the world, it came to India in 2008. And, since then ILCE has been driving it forward and we have been having many events on Lean organized by ILCE with the main help of IIT Madras. So, ILCE plans to drive the Lean Culture development in the country by focusing on building up the awareness of Lean Principles by various conferences, webinars, training programs, workshops and so on.

And also, with newsletters from ILCE, and with IIT Madras, we are developing a Lean Maturity model which will give an idea to various organizations on, where they stand in the, the ladder of development of Lean Culture, Lean Practices in their organizations that is coming in the near future.

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Lean in India – ILCE Conferences

- ILCC2015, Mumbai
- ILCC2017, IIT Madras
- ILCC2019, NICMAR, Pune
- IGLC2018, Chennai
- LIPS2019, New Delhi
- ILCC2021, CEPT, Ahmedabad



If you look at the various conferences, which have been organized by IIT Madras and ILCE. Conferences are a great place for some like-minded people to meet each other, learn from each other and exchange ideas, and that actually takes the whole process much faster than it could be done otherwise.

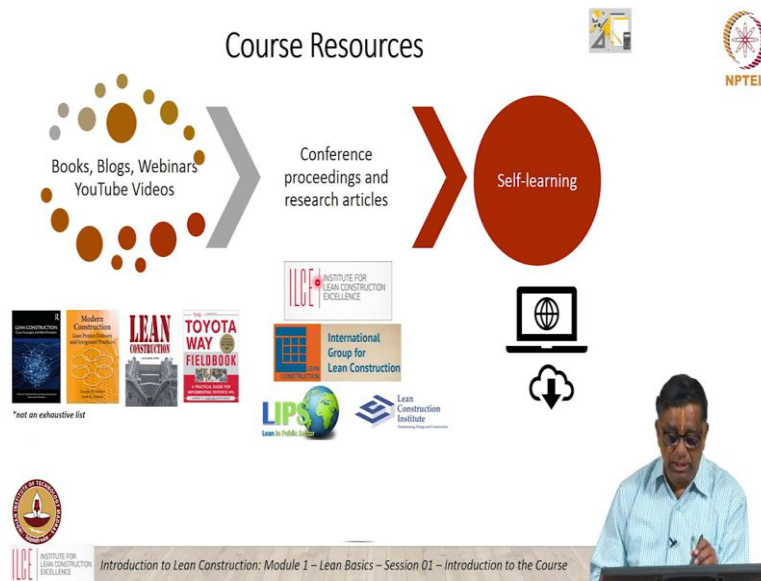
So, we had several Indian Lean Construction Conferences or ILCC. The first one was in 2015 in the office of Godrej and Boyce in Mumbai, then in 2017 we organized it in IIT Madras and 2019 it was organized by NICMAR, in Pune. And in current year, this year in December, is going to be organized by CEPT in Ahmedabad and next year, hopefully NICMAR, Hyderabad will be organizing it in Hyderabad.

Apart from these national conferences, we also had a very major international event, The International Group for Lean Construction, they have an annual conference in various parts of the world. In 2018, we brought that to India, to Chennai, it was a roaring success. Everybody liked the way it was organized, and also the technical content and our Indian practitioners, they got an opportunity to mix with the international community and vice versa, a lot of cross learnings and that really has pushed up Lean implementation in this country quite a lot.

Then, there is one more concept developing in Lean, is actually Lean in Public Sector. So, apart from the private sector practicing Lean, many times projects are done for public sector clients, so if the public sector also comes on board to practice and encourage Lean and put them to the contract document to start with.

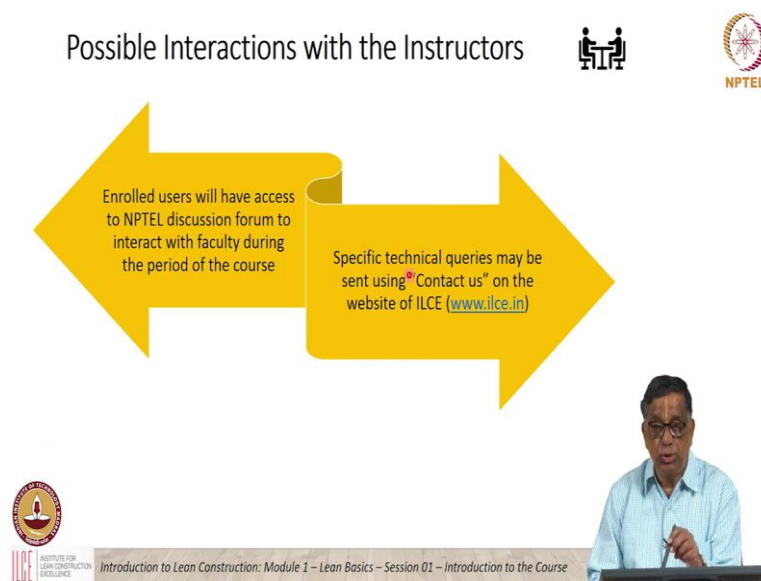
And another thing, the Lean Principles are so excellent, the principles of trust, collaboration, continuous improvement, all these are also very good for the public services. For example, governance, transportation, health services, sanitation, IT services and so on. If these services can also be improved can also develop further with practices of Lean concepts, that would be a great the thing. So, LIPS, Lead in Public Sector movement is building up all over the world and in India we had a conference in 2019. And we had people from, elsewhere in the world coming in and talking to us, and we had a very good conference at the time.

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And we hope that we are one more event like that, in 2022. For this course, the resources which you have, you can look at the various, books available in the market, that you have the YouTube videos, a lot of webinars going around, and then we have the conference proceedings. All the conferences I mentioned earlier, all the proceedings are available online in the website of ILCE. And, also self-learning is the best learning. So, we have documents from ILCE, you have from IGLC, and also from LIPS. These are all the resources which you can have for building up your knowledge on Lean construction.

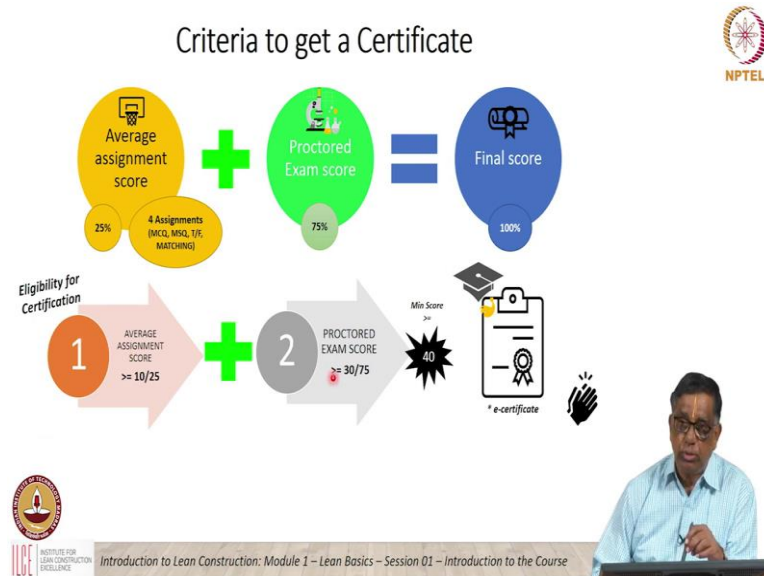
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Apart from these, when the course is going on, during the pendency of the course, you can also have access to the NPTEL discussion forum for interaction with the faculty and anytime,

there is a contact us kind of opportunity available in the website of ILCE (www.ilce.in). You can also talk to some of the Lean experts and get more information.

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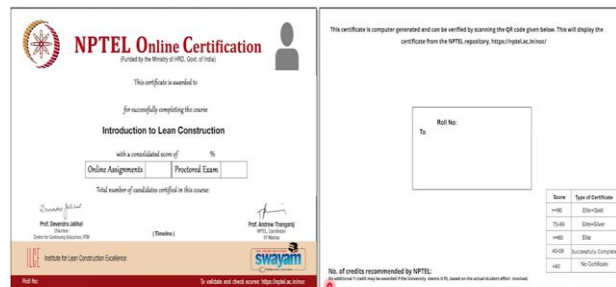


Having done all these studies, what do you do, you can also get a certificate at the end if you pay the required fees and write a proctored exam. At the certificate actually, it got two components. One is the average assignment score, which counts for about 25 percent at then the proctored exam score that counts for 75 percent.

The assignment will have four assignments, one will be multiple choice questions, multiple selected questions, then you have matching the following, and then you have true or false that kind of question. So, you need to get at least 10 out of 25 in the assignments and 30 out of 75 in the proctored exam to get the certificate. So, the minimum mark is 40 percent, you need to get overall to get the certificate.

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Typical Certificate



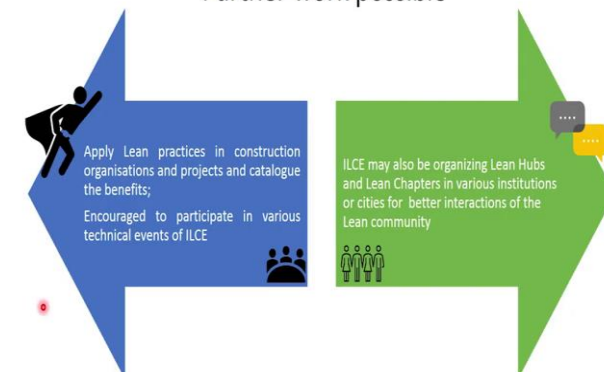
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And this is the kind of certificate which you will get from NPTEL and that is being supported by ILCE and IIT Madras, the Swayam sector of NPTEL.

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Further work possible



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And, what can you do further? Further, you can actually engage with various practitioners the various construction agencies who are practicing Lean, and then get to practice Lean in various parts. And you also can have access to the Lean Hubs and Chapters which ILCE is in the process of forming.

And, ILCE also has a Lean community, we will have online get togethers from time to time and you can take part in the Lean community get togethers and meet the other people who are

also practicing Lean. So, that is about what you can do in this session 03. So, I look forward to you are getting through all these parts and getting the certificate. Thank you.

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Quiz



1. In which year was ILCE formed?

- a) 2005
- b) 2010
- c) 2008
- d) 2012

c) 2008

2. The expansion of ILCE is:

- a) Institute of Lean Construction Excellence
- b) Indian League for Construction Excellence
- c) India Labour for Construction Establishment
- d) Institute for Lean Construction Excellence

d) Institute for Lean Construction Excellence








ILCE INSTITUTE FOR LEAN CONSTRUCTION EXCELLENCE

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Supplementary Module

Link (to read and contribute)
<https://tinyurl.com/ydqarrzp>



Topics to be Covered Slide

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