

# LEED GA EXAM PREP

KICKSTART YOUR LEED EXAM PREPARATION

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Online training program for LEED Exam preparation

22<sup>nd</sup> June, 2020 – 4<sup>th</sup> July, 2020

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## PROGRAM BRIEF

LEED, or Leadership in Energy and Environmental Design, is the most widely used green building rating system in the world. Available for virtually all building, community and home project types, LEED provides a framework to create healthy, highly efficient and cost-saving green buildings. **LEED certification is a globally recognized symbol of sustainability achievement.** LEED buildings save energy, water, resources, generate less waste and support human health.

A LEED credential denotes proficiency in today's sustainable design, construction and operations standards. **Passing a LEED exam sets you apart from the pack by validating your field expertise.** Green building is global, and when you earn a LEED credential, you join an international community of professionals committed to better building, design and operations.

**The LEED Green Associate exam measures general knowledge of green building practices and how to support others working on LEED projects.** Become a LEED GA and join the community of professionals who are engaged in sustainability at different levels.

This training program will help you prepare and ace the LEED GA exam in 2 weeks while you are working full time. This program will be conducted online offering flexibility for busy professionals who are pressed with time and want to prepare for the exam in the most efficient way. **The course content is developed by expert USGBC Faculty from EDS which is a USGBC Education Partner.** The content is concise and to-the-point geared to give you the necessary knowledge required for learn about LEED. This 2-week program will give you the confidence to crack the LEED GA exam.

## WHO IS THIS PROGRAM FOR?

- If you want to stand apart from the pack in the green building industry, then becoming a LEED GA is the first step. This program will help you prepare for that!
- “I am aware of green building concepts but want to learn about rating systems” – If this is you, then this program is right for you.
- If you are looking for a professional credential that will add value to your expertise, then LEED GA is the first step and this program will prepare you for the exam.
- If you have been wanting to take the LEED GA exam, but did not know where to start, this program is for you!
- If you are a busy professional who does not have the time to research and look up resources for exam prep, this course is exactly what you are looking for!
- Architects, engineers, product manufacturers, real estate professionals, green building consultants, students, faculty, and all professionals associated with the building industry can take this course.

## LEARNING OBJECTIVES

- Understand LEED GA exam structure
- Clarity of green building fundamentals
- Describe LEED Process, Sustainable Thinking and Core Concepts
- Explain intent and key concepts for all LEED credits
- Define steps to LEED Certification

## PROGRAM TAKEAWAYS

- Access to 11 course modules
- Short quiz for each online course module
- Weekly live webinar with USGBC Faculty for Q/A session
- Access to online practice tests for two months after the program
- Reference study material other reading resources
- Access to 5 GBCI CE credits worth INR 10,000 for LEED GA credential maintenance after successfully passing the exam

## PROGRAM FORMAT

This training program is **completely online** offering flexibility to participants. It is designed in a blended learning format, which means it combines live webinar sessions with pre-recorded self-paced courses along with practice quiz.

Participants will complete the self-paced modules as per the program schedule. Each week two live webinars will be conducted with USGBC Faculty and experts from EDS (USGBC Education Partner) for a Q/A session. This platform gives opportunity for the participants to clarify any questions about LEED GA exam and content as well as learn more about LEED project experience and practical insights. Participants will gain a well-rounded understanding of the intent, key concepts and strategies to achieve the goals for each credit category. Post the program, participants will have access to online practice tests of 300 - 500 questions that will give the confidence to pass the exam.

**This engaging and immersive program includes 15 hours of e-learning comfortably spread over 2 weeks. The format is designed such that the practice tests can be taken in the 3<sup>rd</sup> week after the program and the LEED Exam can be given in the 4<sup>th</sup> week. Thus, this is a 4-week plan to prepare and nail the exam!**

## REGISTRATION FEE

- Professionals - INR 6,500
- Students- INR 5,000
- Early Bird fee – INR 4,000 (until 8<sup>th</sup> June 2020)

REGISTRATION LINK: <https://bit.ly/2WvGNuN>

For any queries, write to: [education@edsglobal.com](mailto:education@edsglobal.com)

## PROGRAM SCHEDULE FOR 2-WEEK LEED GA ONLINE TRAINING PROGRAM

Week	Date and time	Time	Format	Session Topic	Duration (hours)
Week 1	22 <sup>nd</sup> June, Monday	6:00pm to 7:00pm IST	Live Webinar	Program Orientation <ul style="list-style-type: none"> <li>• Program structure and schedule</li> <li>• Meet your instructors and classmates</li> <li>• Introduction to LEED rating system</li> <li>• LEED GA Exam overview</li> </ul>	1
	23 <sup>rd</sup> June, Tuesday		Online video modules	<ul style="list-style-type: none"> <li>• Module 1: Introduction to green building</li> <li>• Module 2: Introduction to LEED v4</li> </ul>	1.5
	24 <sup>th</sup> June, Wednesday	6:00pm to 7:00pm IST	Live Webinar	<ul style="list-style-type: none"> <li>• Recap of Modules 1,2</li> <li>• Q/A with USGBC Faculty</li> </ul>	1
	25 <sup>th</sup> June, Thursday		Online video modules	<ul style="list-style-type: none"> <li>• Module 3: Sustainable thinking</li> <li>• Module 4: Integrated design process</li> </ul>	1
	26 <sup>th</sup> June, Friday		Online video modules	<ul style="list-style-type: none"> <li>• Module 5: Location and Transportation</li> <li>• Module 6: Sustainable sites</li> </ul>	1.5
	27 <sup>th</sup> June, Saturday	6:00pm to 7:00pm IST	Live Webinar	<ul style="list-style-type: none"> <li>• Recap of Modules 3,4,5,6</li> <li>• Q/A with USGBC Faculty</li> </ul>	1
Week 2	29 <sup>th</sup> June, Monday		Online video module	<ul style="list-style-type: none"> <li>• Module 7: Water efficiency</li> </ul>	1
	30 <sup>th</sup> June, Tuesday		Online video module	<ul style="list-style-type: none"> <li>• Module 8: Energy and atmosphere</li> </ul>	1.5
	1 <sup>st</sup> July, Wednesday	6:00pm to 7:00pm IST	Live Webinar	<ul style="list-style-type: none"> <li>• Recap of Modules 7,8</li> <li>• Q/A with USGBC Faculty</li> </ul>	1
	2 <sup>nd</sup> July, Thursday		Online video module	<ul style="list-style-type: none"> <li>• Module 9: Materials and Resources</li> </ul>	1.5
	3 <sup>rd</sup> July, Friday		Online video module	<ul style="list-style-type: none"> <li>• Module 10: Indoor Environment Quality</li> </ul>	1.5
	4 <sup>th</sup> July, Saturday	6:00pm to 7:30pm IST	Live Webinar	<ul style="list-style-type: none"> <li>• Recap of Modules 9,10</li> <li>• Q/A with USGBC Faculty</li> <li>• Exam tips</li> </ul>	1.5
Week 3	Study / take practice tests			Atleast 2-3 days is recommended for practice	
Week 4	Give LEED GA Exam				



## Program Faculty:

This course has been developed by USGBC Faculty from [Environmental Design Solutions Pvt Ltd \(EDS\)](#). EDS is a sustainability advisory firm focusing on the built environment. EDS is a USGBC Education Partner and LEED Proven Provider. Since its inception in 2002, EDS has worked on over 350 green building and energy efficiency projects worldwide. The diverse milieu of its team of experts converges on climate change mitigation policies, energy efficient building design, building code development, energy efficiency policy development, energy simulation and green building certification.

## Lead Instructor

### Deepa Parekh

Lead - Sustainability Education Program

Deepa has a background in architecture and building science. She has worked on number of projects in the US and in India with experience in facilitating green building certifications, high performance building consulting, whole building energy and daylight simulations, green building policy research and analysis.

Deepa leads the '[Sustainability Education Program](#)' at EDS. Using her expertise in teaching complemented by professional experience, she leads her team to develop high quality byte sized course modules for online learning on sustainability. Also, a USGBC Faculty and ECBC Master Trainer, Deepa has conducted over 30 training programs for a varied group of learners. She also curates and conducts blended learning programs for students and professionals that combines live webinar, online course modules and in-person workshops.

Deepa will be main instructor for this program.

## Expert Panel

Experts in this panel bring their diverse and extensive professional experience in answering queries of participants. This platform is an opportunity for participants to interact with some of the best professionals in sustainability consulting. Following members form the expert panel.

### **Hisham Ahmed**

Senior Associate Director

Environmental Design Solutions Pvt Ltd

Hisham is overseeing a team of engineers and architects delivering a wide variety of projects. He is currently looking after more than 50 design assistance projects. He is in-charge of project management, invoicing and business development. He has been a speaker at various Lectures/seminars/workshops on energy efficiency specifically for promoting energy conservation building code, ECBC India. Hisham has over 10 years of extensive experience on software-based building energy simulation (International (ASHRAE) and Local energy code (ECBC India) compliance analysis). He is involved in energy efficient HVAC concept design for a number of projects.

Hisham is responsible for internal quality check of all LEED Energy and Indoor Air Quality submissions. He also performs a role of a reviewer for energy credits for LEED and IGBC projects. He has completed review of over 180 projects.

Hisham has both national and international experience through working on projects and conducting training in regions outside India. Hisham has delivered trainings on topics such as “Façade Design Optimization Using Energy Simulation” and “Advanced energy simulation training”.

A few prominent projects that he has worked on closely are ITC Gardenia Hotel (Bangalore, India); Delhi International Airport Terminal T3 (New Delhi, India); Beary’s Global Research Triangle (Bangalore, India), OMD TECOM (Dubai,UAE) and Hilton Hotel (Istanbul, Turkey).

### **Abhishek Jain**

Associate Director

Environmental Design Solutions Pvt Ltd

Abhishek has over 10 years work experience as Project Manager and Sustainability Consultant with domain expertise and technical knowledge of integrated design of sustainable built-environment and construction management, renewable energy systems, building analysis and auditing, Green Building Certifications, climate change policy research & development, and corporate & enterprise sustainability.

He has coordinated with Central Public Work Department (CPWD), Govt. of India on 2 prestigious public sector projects; Extension to Parliament Annexe & Minister of Parliament Multi-storied Housing for sustainable design & integrated project management initiatives.

He has supervised and lead a team of construction management of 6 private sector projects including HCL IT Technology Park, ITC Group’s 5-Star Golf Resort, Mayar Groups’ Bio-technology Lab, Lalit Groups Boutique Hotel, and Residential Township Projects for Sahara Group.

He has successfully completed 3 US Green Building Certification for Airports Authority of India, CPWD, and Ministry of External Affairs for the LEED® India Gold Certification of 7 million sqm Indira Gandhi International Airport Terminal, 3,16,000 sqm Thyagraj Netball Stadium, and 60,000 sqm Jawaharlal Nehru Bhawan respectively.

### **Ashutosh Gupta**

Associate Director

Environmental Design Solutions Pvt Ltd

Ashutosh has over 8 years of work experience in the field of sustainability. He heads the testing and commissioning team at EDS. He has worked on LEED documentation of over 25 projects. He is responsible for internal quality control for all LEED submissions under the LEED EB O+M rating system.

Ashutosh has conducted detailed assessment and recommendations for projects in Indonesia, India, Bangladesh and Tanzania to achieve Energy Efficiency performance standards. The project scope included feasibility study, conducting preliminary audit & investigation, checklist & gap analysis. Some of the notable projects are the 7 million sft Delhi International Airport (T3) which achieved Gold level certification under LEED NC program, several ITC Hotels to get them certified under LEED EB O+M rating and the latest TIPL project in Noida to receive Platinum rating under LEED v4 BD+C rating system.

He also conducted training programs for professionals. Notably, he has organized a three-day workshop and training program on “Green building Certification Process and Energy Efficiency in Commercial Building” for affiliates of a multinational company which included participants from South Korea, Philippines, Thailand and India.

He has conducted training program for university students and academics to disseminate knowledge on: Energy and Sustainability, Climate change adaptation and mitigation, EE technologies, EE Policies and Legislation, EE financing initiative, EE cost analysis etc.

### **Piyush Varma**

Associate Director

Environmental Design Solutions Pvt Ltd

Piyush Varma, a qualified Architect and Engineer, has been associated with Environmental Design Solutions Pvt. Ltd in the capacity of a Sustainability Expert since July, 2010. Over the 09 years of experience, Piyush has successfully collaborated with various design teams in promoting and achieving sustainable architecture. Prolific at performing parametric analyses, sensitivity analysis, life cycle analysis, and employing several other analytical tools, Mr. Varma has been actively engaged in affecting Building Performance vis-à-vis energy consumption, thermal performance, daylight potential, material management, etc.

At EDS, Piyush leads the software vertical and has successfully managed two editions of a policy framework tool. He is currently heading a team of developers in preparing tools capable of automated report generation, energy consumption visualization application, Google Map based APIs and application for listing and procurement of Green Materials. Skilled in programming languages like MATLAB and C#, Piyush, is also engaged in research work and is developing Building Envelope Optimization Tool. Piyush has been actively involved in policy formulation and developing analytical tools as decision aids.

**Dipti Arora**

Associate Director

Environmental Design Solutions Pvt Ltd

Dipti Arora specializes in green building rating systems and is well versed with all aspects of Solar Passive Building Design, Renewable and Alternative Energy Systems, Day lighting, exterior lighting analysis, Energy Simulation, Alternative Building Materials and Technologies, Carbon footprint and CDM. With over 8 years of experience in the green building industry, she has provided consultancy and facilitation services for over 28 green building projects. She has been providing expert consultancy and facilitation services for various green building rating systems i.e GRIHA, LEED, IGBC Rating systems. Some prominent projects include Infosys SDB1 Pocharam, Hyderabad, Suzlon One Earth, Pune, Gandhi Research Foundation, Jalgaon and VVIP Circuit House, Pune and Pan India TCS (IT & BPO) projects.

She is an active team member carrying out third party reviews for US Green Building Council and Indian Green Building Council and has reviewed more than 200 reviews for all building types i.e New Construction, Core & Shell, residential buildings etc. She has developed standard procedure and tools for Green Building Rating system documentation to ensure quality control for submittals to the Rating bodies.

At EDS, she is responsible for quality control for all submissions made under the LEED Proven Provider for the LEED ID + C v3.0 and v4.0 Rating system. Further, she plays an instrumental role in implementing the LEED Volume Program for Citibank Retail projects in the Asia Pacific Region. This LEED coordinator role includes education and quality control for documentation submitted by the project team. Dipti also leads the team working on projects aiming for WELL certification.



## Frequently Asked Questions:

**1. What are the timings of this program?**

The program consists of live webinars that will be conducted as per the timing listed in the program schedule.

**2. What do I need to attend this course?**

You just need a personal laptop and internet connection to attend and complete this course.

**3. What if I am not able to attend the webinar?**

Try NOT TO MISS any webinars. In case you are not able to attend the webinar, please send an email informing the instructor about your absence. Webinar recordings will be provided.

**4. Can I get access to the webinar recordings?**

Yes, all webinars will be recorded and be made available to the registered users

**5. Can I have access to the online modules after the program is over?**

Yes, once you sign up for the program, you will have access to all the online modules after the program as well.

**6. Can I attend the program through my phone?**

Yes, you can sign into the webinar through your desktop or phone

**7. The schedule looks extensive. I am a busy professional with a lot on my plate. How do I optimize my time?**

The course is designed in a comfortable pace keeping in mind your busy schedule. Plan to complete the modules as per the suggested schedule so that preparing for the exam is easier towards the end. The key is to take the exam immediately after the training program while the concepts are still fresh in mind.

**8. What should I do if I have any question or query with respect to the course content?**

You can post your questions to an online classroom and the instructor will respond. You can also ask your queries to the instructor directly during the live webinar sessions.

**9. I have extensive professional experience. Do I still need to attend all the webinars?**

Yes, you should attend the webinars. Since you have professional work experience, you directly spend more time taking the practice tests.