

Green Building [IGBC / USGBC] – Audit Course [20 Hrs]		
S. No.	TOPICS	Required time
1	Introduction to Green Building [IGBC / USGBC] - Goals, Reducing Environmental Impact, Cost & Pay-Off, Regulation & Operation	3Hrs
2	Green Building Design & Construction	3 Hrs
3	Building Standards & Codes	3 Hrs
4	Green Building Resources and Processes	3Hrs
5	Green Design Strategies & Impacts	4 Hrs
6	Certification & Ratings.- LEED, LEED Green Associate, LEED AP. Worldwide Projects & Implementation - More Thrust in INDIA	4 Hrs
	Total	20 Hrs

Module Overview:

Green building (also known as **green construction** or **sustainable building**) refers to both a structure and the using of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from siting to design, construction, operation, maintenance, renovation, and demolition.^[1] In other words, green building design involves finding the balance between homebuilding and the sustainable environment. This requires close cooperation of the design team, the architects, the engineers, and the client at all project stages. The Green Building practice expands and complements the classical building design concerns of economy, utility, durability, and comfort.

Leadership in Energy and Environmental Design (LEED) is a set of rating systems for the design, construction, operation, and maintenance of green buildings which was Developed by the U.S. Green Building Council. Other certificates system that confirms the sustainability of buildings is the British BREEAM (Building Research Establishment Environmental Assessment Method) for buildings and large scale developments. Currently, World Green Building Council is conducting research on the effects of green buildings on the health and productivity of their users and is working with World Bank to promote Green Buildings in Emerging Markets through EDGE Excellence in Design for Greater Efficiencies Market Transformation Program and certification.

Although new technologies are constantly being developed to complement current practices in creating greener structures, the common objective of green buildings is to reduce the overall impact of the built environment on human health and the natural environment by:

- Efficiently using energy, water, and other resources
- Protecting occupant health and improving employee productivity
- Reducing waste, pollution and environmental degradation