

BEYOND

SMART CITIES

LOCATION AND TRANSPORTATION - GREEN

BUILDING TECHNOLOGY TRAINING PROGRAM

FOR GREEN BUILDING AND SUSTAINABILITY SPECIALISTS

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP

GREEN BUILDING SPECIALIST CURRICULUM

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SUMMARY AND RESOURCES

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SUMMARY



Understand the advantages of holistically considering project site and transportation.

Recognise the significance of obtaining LT credits early and the choices available following site selection.

Recognise synergy among numerous credits

Articulate the requirements of specific LEED v4 LT BD+C/ID+C credits

Discover how credit requirements result in enhanced building performance and market transformation.

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LOCATION AND TRANSPORTATION

This course will address the significance of location and transportation aspects, as well as their effects on the design of green buildings. The placement of a green building project should first encourage smart growth, which is a method that protects undeveloped lands and contributes to the development of projects near employment, schools, stores, and other diversified purposes.

The Location and Transportation category is concerned with the impact of the proposed development's design on surrounding buildings, properties, neighbourhoods, and the greater urban community.

In addition to enhancing the growth of neighbourhoods and communities, sustainable urban practices reduce the environmental implications of climate change, fossil fuel depletion, water depletion and pollution, air pollution, land use and contamination, and human comfort and health.

WHY IS THIS IMPORTANT FOR BUILDINGS?

Location is a crucial component of green building practice, as how people and goods get to and from the site affects the environmental performance of the building and its occupants.

Choosing a location that offers transportation options and a variety of nearby destinations:
Protects air and water quality by reducing the distance people have to drive and making it easier to walk, bike, or take public transit.

Preserves open space, farmland, and natural lands by building on or near already-developed sites.

Saves money and resources by using existing infrastructure.

WHY IS THIS IMPORTANT FOR BUILDINGS?

A location-efficient site is well-connected to the larger region and close to amenities such as employment centres, shops, restaurants, schools, and services. A site that has good transportation connections to the rest of the region can attract businesses that want easier access to customers and workers, and residents who want to be able to reach more jobs.

Location-efficient sites are often in previously developed areas already served by infrastructure. Building in previously developed areas reduces the need for new streets, utility lines, water pipes, and other infrastructure. It can also spur neighbourhood revitalisation by reusing and renovating existing structures. Historic buildings, vacant properties, brownfields, and grey fields can be transformed into a green development that supports the local economy and strengthens the community's character.

RESOURCES

<https://knowledgelab.beyondsmartcities.in/index.php/category/guides/>

<https://www.usgbc.org/resources>



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