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HIGH-PERFORMANCE BUILDING DESIGN PROFESSIONAL - HBDP OVERVIEW

ONLINE PROFESSIONAL COURSES LED BY THE
WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

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MODULE

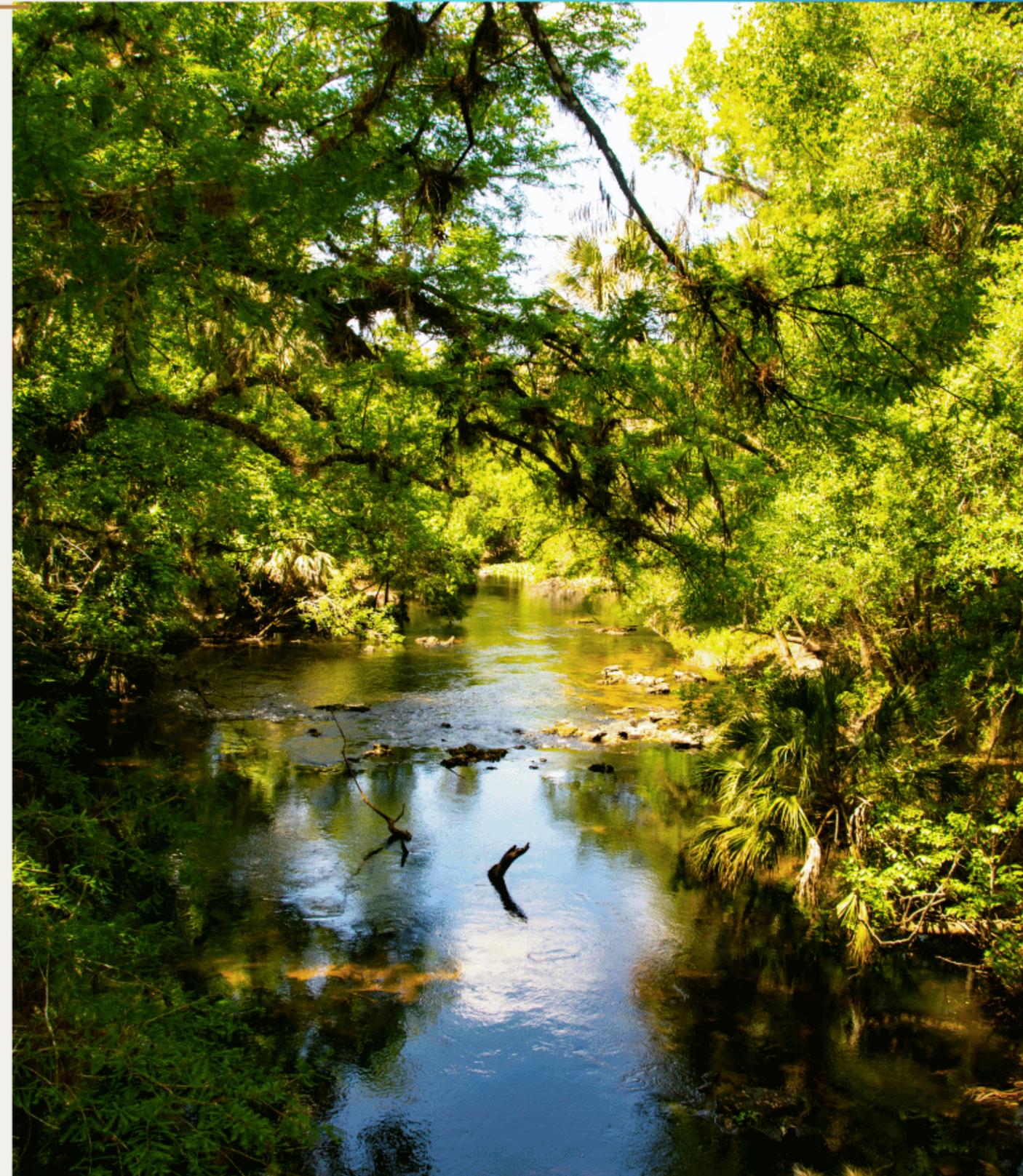
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Environmental Improvement Programs and Rating Systems

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HIGH-PERFORMANCE BUILDING DESIGN PROFESSIONAL HBDP OVERVIEW

Environmental Improvement Programs and Rating Systems promote sustainable design, innovation, and environmental stewardship, demonstrating project teams' commitment to creating healthier, more resilient built environments for future generations.

Learning Objectives

- Introduction
- Getting Started with HBDP
- Sustainability Concepts
- HVAC Processes
- Sustainable Processes
- **Environmental Improvement Programs and Rating Systems**
- Certification for High-Performing Building Specialists
- Summary and Resources
- High-Performance Building Design
Professional - HBDP Practice Test V.4.1



INTRODUCTION

- Tools used to assess and improve environmental sustainability of buildings, infrastructure, and landscapes.
- Provide a framework for evaluating and certifying environmental performance based on energy efficiency, water conservation, waste management, and indoor air quality.
- LEED certification system, developed by the U.S. Green Building Council, provides rating systems for different types of projects.
- Projects earn points based on meeting specific criteria in various categories, earning points ranging from Certified to Silver, Gold, and Platinum.

ENVIRONMENTAL IMPROVEMENT PROGRAMS AND RATING SYSTEMS

- Sustainable Sites Initiative (SITES) focuses on sustainable landscape design, construction, and maintenance.
- Other rating systems and programs focus on specific aspects of environmental improvement, such as the WELL Building Standard, the Living Building Challenge, and the Envision rating system.
- These programs promote sustainable design and construction practices, drive innovation, and raise awareness about environmental stewardship in the built environment.





LEED

LEED certification provides a framework for healthy, highly efficient, and cost-saving green buildings that offer environmental, social, and governance benefits.



SITES

SITES certification promotes sustainable and resilient landscape development for projects with or without buildings, enhancing sustainability and resilience.



TRUE

TRUE zero waste certification promotes sustainable resource management and reduction practices to improve environmental, health, and economic outcomes.



WELL

WELL certification sets performance requirements in seven categories (air, water, nourishment, light, fitness, comfort and mind) to improve the effects of buildings on human health.



PEER

PEER certification promotes reliable, resilient, and sustainable power systems, enhancing tracking to prevent failures.



ICP

The Investor Confidence Project (ICP) is a global standard for developing and measuring energy efficiency retrofits in commercial and multifamily residential buildings.



Parksmart

Parksmart certification supports sustainable parking structure design and operations to reduce costs, increase energy efficiency, and improve lighting and ventilation.



EDGE

EDGE certification for green buildings focuses on enhancing the resource efficiency of buildings by identifying cost-effective measures.

LEED CERTIFICATION: A GLOBAL GREEN BUILDING RATING SYSTEM

- LEED is the world's most widely used green building rating system.
- Provides a framework for healthy, efficient, cost-saving green buildings.
- Offers environmental, social, and governance benefits.
- Supports over 197,000 projects in 186 countries and territories.
- LEED v5 is the latest version, aligning with a low-carbon future.
- Addresses equity, health, ecosystems, and resilience.



SITES RATING SYSTEM OVERVIEW

- Guides, evaluates, and certifies sustainability in landscape planning, design, construction, and management.
- Supports implementation of nature-based solutions.
- Enhances biodiversity, mitigates climate change, conserves resources, improves public health, and protects ecosystems.



WELL BUILDING STANDARD

- Aims to enhance human health and well-being through thoughtful spaces.
- Includes strategies backed by scientific research.
- Aims to advance human health through design interventions and operational protocols.
- Fosters a culture of health and well-being.
- Draws expertise from diverse community of WELL users, practitioners, public health professionals, and building scientists.





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THANK YOU

