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HIGH-PERFORMANCE BUILDING DESIGN PROFESSIONAL - HBDDP EXAM REFRESHER

ONLINE PROFESSIONAL COURSES LED BY THE
WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C), GSAS CGP, GCP, ISO 14001

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MODULE
22

Summary and Resources

KRISHNAJI PAWAR - CEO & FOUNDER

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Learning Objectives

- Introduction to High Performance Buildings
- Sustainability Concepts
- What is sustainable development?
- Sustainable Development: Definitions and Applications
- Sustainable Buildings
- Sustainable Transportation
- Alternative Energy & Carbon Reduction
- Environmental Improvement Programs and Rating Systems
- HVAC Processes



HBDP EXAM REFRESHER

- Provides an overview of sustainability concepts, HVAC processes, energy analysis, indoor and site environments, controls and monitoring, benchmarking, water conservation, commissioning, energy and material use and management.
- Validates competency to design and integrate sustainable HVAC&R systems into high-performing buildings.
- The HBDP certification, an ANSI-accredited personnel certification programme under ISO/IEC 17024 (#1139), validates competency in key domains: energy analysis, indoor and site environments, controls and monitoring, benchmarking with performance metrics, water conservation, commissioning in sustainable construction, energy and material use, and management.

Learning Objectives +

- Benchmarking with Performance Metrics
- Water Conservation
- Commissioning in Sustainable Construction
- Energy and Materials Use and Management
- Summary and Resources
- **HBDP Practice Test V.4.1_Test Your Knowledge!**



HIGH-PERFORMANCE BUILDING DESIGN PROFESSIONAL - HBDP EXAM REFRESHER

- The course is developed by Krishnaji Pawar, a sustainability specialist with expertise in smart city development, sustainable design strategy development, environmental impact assessment, green building certification, energy usage modelling, greenhouse gas accounting, and emissions management.
- The course also covers benchmarking with performance measures, water conservation, sustainable building commissioning, resources, and 100 ASHRAE HBDP test sample questions.
- HBDPs are trained to design buildings that prioritize energy efficiency, sustainability, and overall performance, fulfilling the functional needs of their occupants while minimizing their environmental impact and energy consumption.

RESOURCES

- ASHRAE GreenGuide and Advanced Energy Design Guides
- ASHRAE GreenGuide: Sustainable Building Design, Construction, and Operation
- Advanced Energy Design Guide for Small to Medium Office Buildings: 50% Energy Savings
- • Advanced Energy Design Guide for Small Retail Buildings: 30% Energy Savings

Standards and Guidelines

- ASHRAE Standard 55: Thermal Environmental Conditions for Human Occupancy
- ANSI/ASHRAE Standard 62.1: Ventilation for Acceptable Indoor Air Quality
- ANSI/ASHRAE/IESNA Standard 90.1 (I-P): Energy Standard for Buildings Except Low-Rise Residential
- ANSI/ASHRAE/IESNA Standard 90.2: Energy Efficient Design of Low-Rise Residential Buildings
- Standard 140: Method of Test for Evaluating Building Performance Simulation Software
- ANSI/ASHRAE/USGBC/IES Standard 189.1: Standard for the Design of High-Performance Green
- ASHRAE Guideline 0: Commissioning Process
- ANSI/ASHRAE/IESNA Standard 90.1 User's Manual
- <https://learn.beyondsmartcities.in/courses/>



A man in a light blue business shirt and dark tie is shown in profile, looking upwards and to the right. He is holding a tablet computer in his right hand. The background is a vibrant, futuristic digital cityscape with glowing blue and white lines, data points, and architectural structures. The overall aesthetic is high-tech and modern.

WELCOME TO BEYOND SMART CITIES

Beyond Smart Cities is the world's 1st Green Technology Marketplace, connecting millions of Sustainability Specialists, Green Building Specialists, Energy Specialists, Commissioning Specialists, Environment Specialists, Health & Safety Specialists, Fire Safety Specialists, Climate Change Specialists & Green Products/Technology Manufacturers with independent talent around the globe.

Our mission is to build and support a global community of experts with the highest professional standards in sustainability, green building, energy, commissioning, environment, health & safety, fire safety, climate change, GHG accounting, carbon auditing, and GHG emissions management.

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HIGH-PERFORMANCE BUILDING DESIGN PROFESSIONAL - HBDDP EXAM QUESTION BANK

On-demand Learning Courses and
Exam Question Banks



Learning Objectives

- Five practice exams with over 500 questions.
- Understand reasoning behind each question and associated HBDP knowledge domain.
- Recognize strategies for smart choices.
- Experience HBDP exam.
- Consider practice test part of education.
- New HBDP 236+ Key Terminology Flash Cards available.
- HBDP Engineering and HVAC Design Equations.

*High-Performance
Building Design
Professional - HBDP
Exam Question Bank*

- Over 500 questions in 5 practice exams.
- ASHRE HBDP certification knowledge domain is covered in this course.
- Encourages understanding of reasoning and related knowledge areas.
- Encourages smart decision-making through strategies.
- Includes 236+ Key Terminology Flash Cards.
- Includes HBDP_Engineering and HVAC Design Equations.





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HBDP EXAM QUESTION BANK**





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THANK YOU

