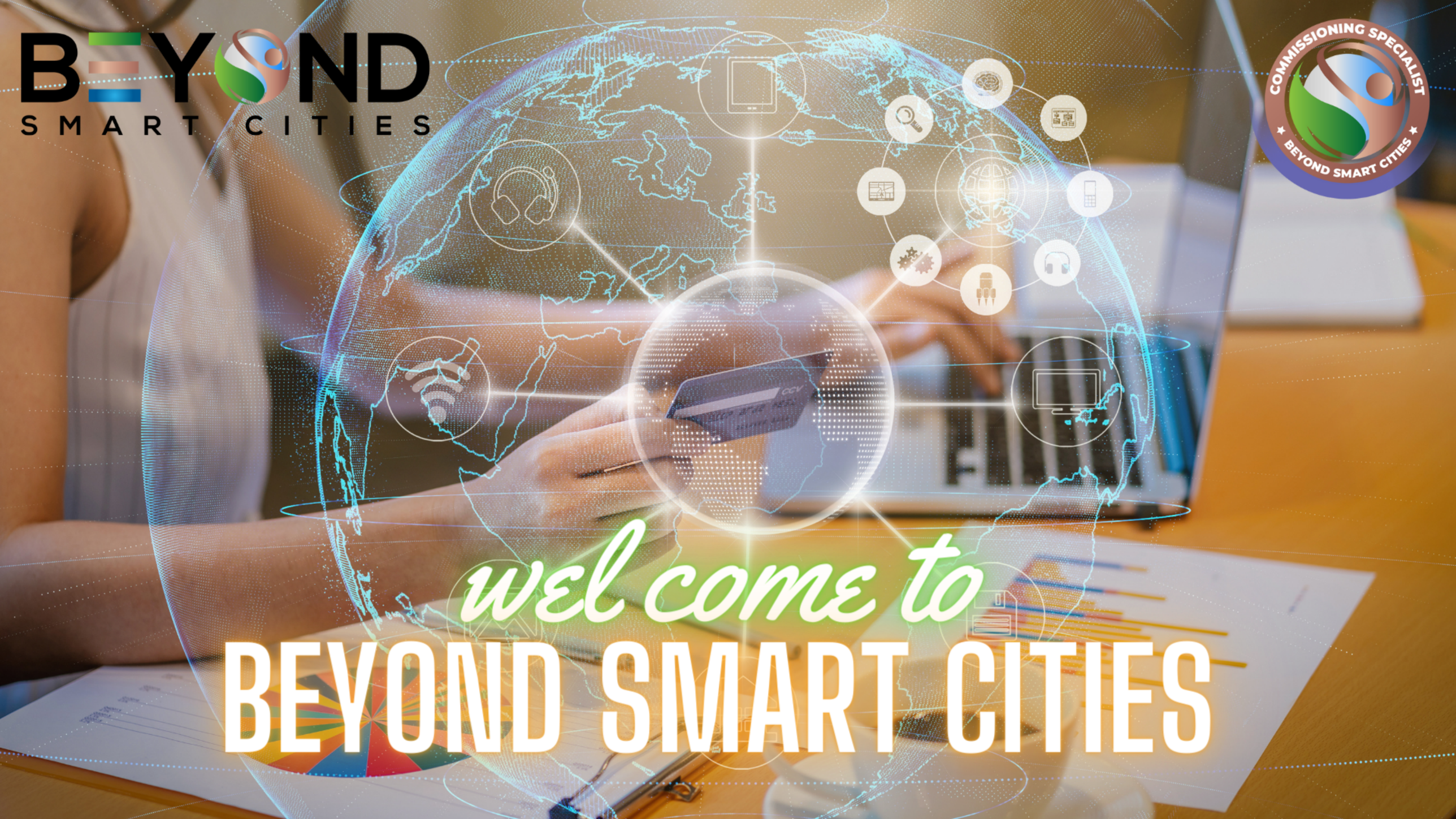

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BUILDING COMMISSIONING OVERVIEW

BCXP OVERVIEW

ONLINE TRAINING BY KRISHNAJI PAWAR

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

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MODULE 5

Professional Certification in Building Commissioning

KRISHNAJI PAWAR - CEO & FOUNDER

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

WWW.BEYONDSMARTCITIES.IN





BUILDING COMMISSIONING BCXP OVERVIEW

Certifications are essential for work market commissioning experts and managers since they demonstrate experience, increase earnings, and establish trust in the business. They also exhibit a commitment to providing high-quality service and being up to date on new technologies.

Learning Objectives

- Course Overview and Introduction
- Definition and History of Building Commissioning
- Why is building commissioning needed?
- Building Commissioning Process Overview
- Professional Certification in Commissioning
- Cost and benefits of building commissioning
- Summary and Resources
- BCxP Sample Exam Question

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INTRODUCTION

- Equips engineers with knowledge and skills for correct commissioning of technical systems.
- Responsibilities include testing, troubleshooting, and confirming system functionality.
- Covers topics like safety protocols, electrical theory, system design principles, troubleshooting techniques, and system installation procedures.
- Provides guidance on documenting results and generating performance metric reports.
- Requires thorough review of credentials, experience, and industry regulations.

COMMISSIONING TEAM ROLE IN CONSTRUCTION

- The commissioning team comprises various stakeholders during the construction process.
- Each project has a commissioning provider who manages and plans all commissioning activities.
- The team includes a Cx provider, client representative, architect, MEP designers, and contractors.
- The commissioning organization is adapted according to the complexity and quality expectations of the project.





COMMISSIONING TEAM ROLE IN CONSTRUCTION +



- Other stakeholders like green building consultants and manufacturers of critical components may also participate.
- The commissioning provider can be the client's, designer's, or contractor's representative or an independent third party company.
- The best approach depends on the complexity, type, and size of the project.
- For projects seeking LEED certification, the independent third party Cx provider is mandatory.

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COMMISSIONING PROVIDER SKILLS REQUIREMENT

- Maintains unbiased problem-solving and conflict resolution approach.
- Knowledge of HVAC systems, including design, control strategies, installation, operations, and maintenance.
- Experience in HVAC controls, including current technology.
- Practical background in field construction.
- Ability to organize specific activities into a coherent commissioning plan.
- Good communication skills, documentation proficiency.
- Experience in working with multidisciplinary teams.
- Familiarity with testing and balancing.



ASHRAE'S BCXP CERTIFICATION PROGRAM

ASHRAE’S BCXP CERTIFICATION PROGRAM VALIDATES COMPETENCY TO LEAD, PLAN, COORDINATE, AND MANAGE A COMMISSIONING TEAM TO IMPLEMENT COMMISSIONING PROCESSES IN NEW AND EXISTING BUILDINGS.





ASHRAE BCXP CERTIFICATION BENEFITS FOR COMMISSIONING PROFESSIONALS



- Enhances reputation and career opportunities.
- Demonstrates competency in critical building commissioning knowledge and skills.
- BCxP digital badge ensures enhanced recognition.
- ANSI National Accreditation Board (ANAB) accredited personnel certification program.
- Recognized by the U.S. Department of Energy (DOE).

BEYOND SMART CITIES

BENEFITS OF HIRING AN ASHRAE BCXP





- Improved Building Performance: BCxP ensures efficient and proper functioning of building systems, leading to improved indoor air quality, comfort, and lower energy costs.
- Enhanced Sustainability: BCxP helps identify energy conservation opportunities, reducing carbon footprint and energy costs.

BEYOND SMART CITIES

BENEFITS OF HIRING AN ASHRAE BCXP+

- Reduced Maintenance Costs: BCxP identifies and addresses system issues early, preventing costly repairs and downtime.
- Increased Property Value: BCxP ensures optimal building operation, increasing property value, especially beneficial for future property sales or leases.



BCxP – Building Commissioning Professional Certification

Gain a competitive edge by earning an ASHRAE certification in building commissioning.

ashrae.org

BEYOND SMART CITIES

Advantages of Becoming a Building Commissioning Professional (BCxP)

- Enhances reputation and career opportunities.
- Demonstrates competency in critical building commissioning knowledge.
- BCxP digital badge ensures enhanced recognition.
- ANSI National Accreditation Board accredited personnel certification program.
- U.S. Department of Energy recognized.



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Building Commissioning Professional (BCxP)Exam Question Bank Benefits

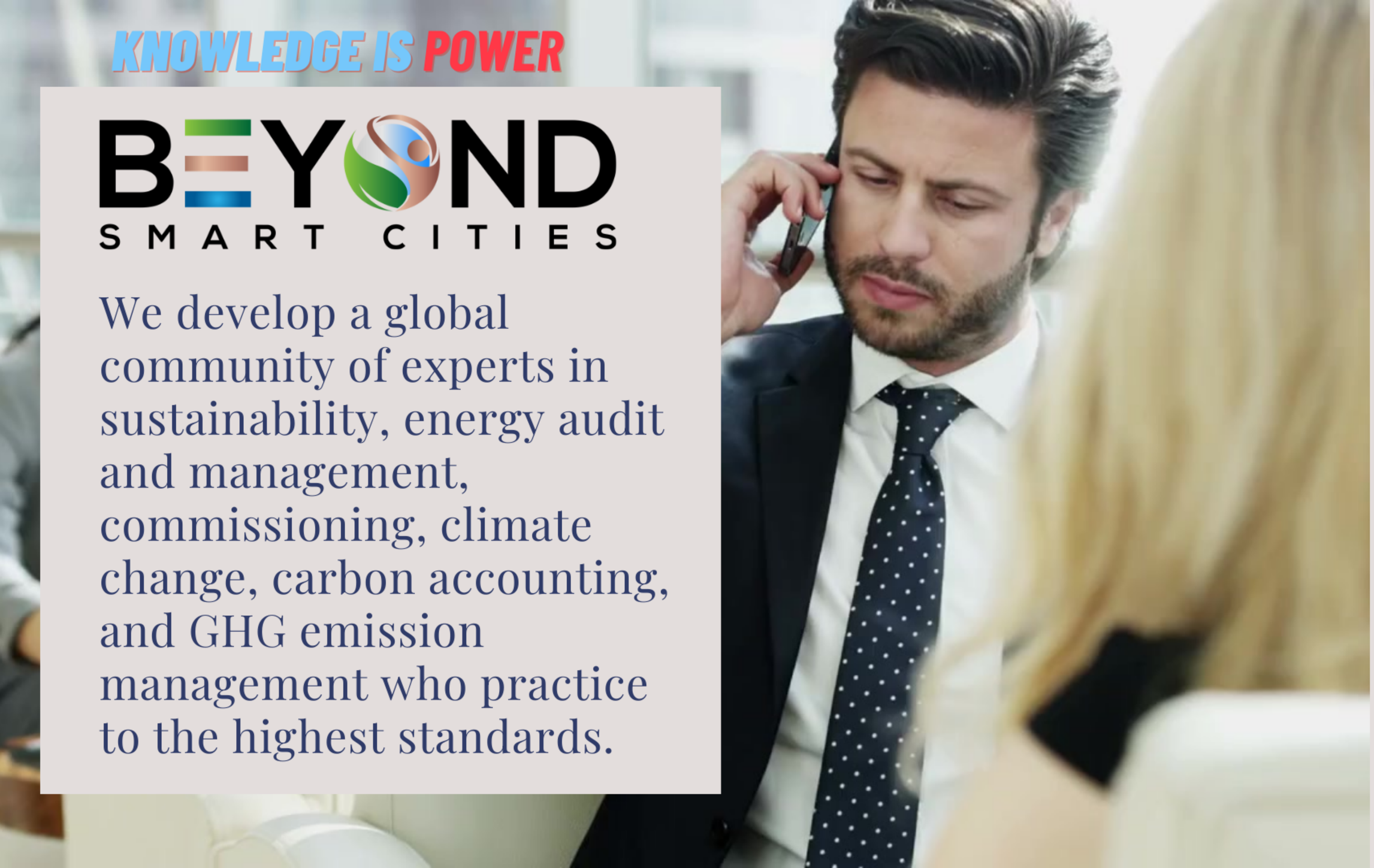
- Includes 7 mock exams covering 820+ questions.
- Simulation exams cover BCxP Exam Knowledge Domains.
- Familiarizes students with building commissioning and terminology.
- Predicts exam success on first attempt.
- Includes flash cards with over 108+ key terms.
- Includes BCxP_Engineering and HVAC design equations.



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BEYOND SMART CITIES

We develop a global community of experts in sustainability, energy audit and management, commissioning, climate change, carbon accounting, and GHG emission management who practice to the highest standards.





ASHRAE'S BCXP EXAM QUESTION BANK

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