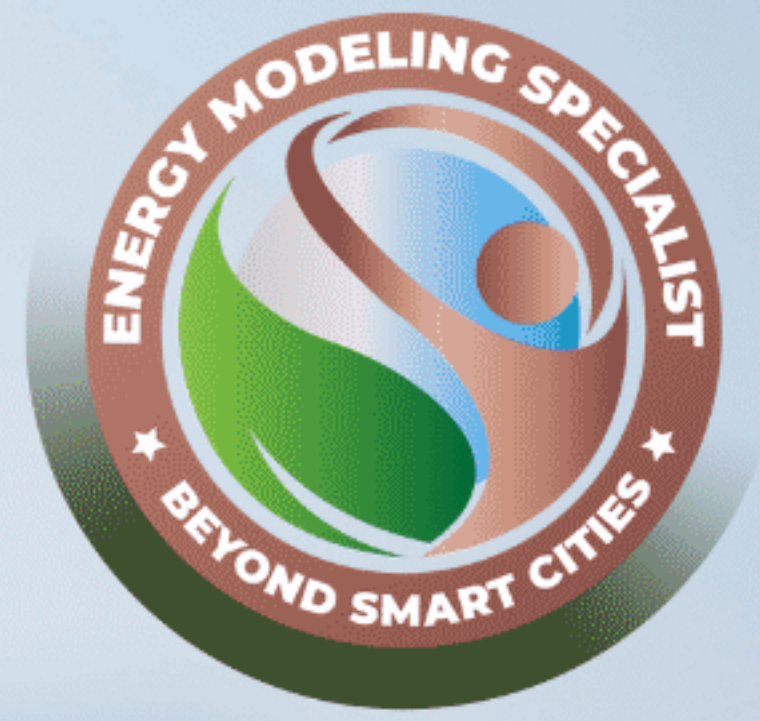


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BUILDING ENERGY MODELING PROFESSIONAL - BEMP OVERVIEW

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
8

Summary and Resources

KRISHNAJI PAWAR - CEO & FOUNDER

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

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Learning Objectives

- Introduction
- Getting Started with BEM
- Establishing the Model Scope
- Building Energy Modeling Tools
- LEED, Commissioning, & Energy Conservation
- Benefits of Building Energy Modeling
- Certification for energy modeling specialists
- Summary and Resources



SUMMARY

- Provides fundamental skills, information, and tools for energy modeling.
- Provides credentials in the field of energy modeling.
- Includes 100 practice exam questions relevant to studies.
- Emphasizes the importance of energy performance in designing energy-efficient buildings.
- Emphasizes the role of energy models in optimizing building design, systems, and operations.
- Highlights the role of energy models in predicting building performance.



BEMP OVERVIEW TRAINING PROGRAM +

- Highlights the use of energy modelling in sizing cooling and heating equipment in buildings.
- Highlights the lack of tools for architects to make passive early design judgements.
- Highlights the creation of dynamic simulation energy models to improve building performance.
- Provides a summary and resources for students



SUMMARY AND THOUGHTS ON THE FUTURE

- At this time, these determinations regarding the most energy-efficient design strategy require the use of a BEM.
- Energy efficiency does not have a simple solution or silver bullet; rather, it necessitates a comprehensive, integrated, and building-wide design methodology.
- Advancements in energy-efficient building design have been substantial; however, the realization of environmentally conscious architecture that appreciates the natural environment remains a distant goal.
- It begins with gaining a comprehension of the building type and climate in which it will be constructed.

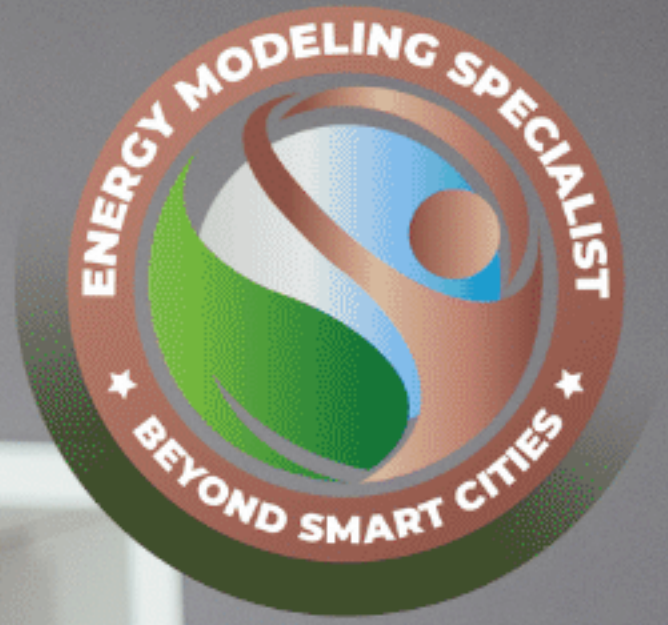


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BUILDING ENERGY MODELING PROFESSIONAL - BEMP EXAM QUESTION BANK

On-demand Learning Courses and Exam
Question Banks



Learning Objectives

- Learn Energy modeling abbreviations.
- Learn high-level energy simulation.
- Examine BUILDING ENERGY MODELING(BEM) in detail.
- Recognize strategies and make informed choices.
- Experience the ASHRAE BEMP exam.
- Know how to respond to circumstances.
- Consider the practice test part of your education.
- BEMP Exam: Flash Cards (One set of key terminology study flash cards. Over 108+ key terms!)



Who can benefit?

- Building energy modeling and simulation professionals who want to earn Building Energy Modeling Professional (BEMP) credentials
- Building professionals who want to learn more about energy modeling terminologies and processes
- Individuals seeking a better understanding of HVAC, energy management, and building energy modeling
- For those who are starting their journey in the energy modeling profession.
- Architects, energy engineers, MEP professionals, energy engineers, and building designers

Benefits of our simulation exams

- Check your knowledge before the Building Energy Modeling Professional – BEMP Exam.
- 500+ questions in 5 simulated exams cover BEMP Exam Study Material.
- Learn the reasoning behind each question and answer and the related knowledge to review.
- The exam should be passed on the first try.
- Study Flashcards for the ASHRAE BEMP Exam





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.

RESOURCES

- Torben Østergård, Rasmus L. Jensen, and Steffen E. Maagaard, "Building Simulations Supporting Decision Making in Early Design: A Review," *Renewable and Sustainable Energy Reviews* 61 (2016): 187–201.
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- Drury B. Crawley, Jon W. Hand, Michaël Kummert, and Brent T. Griffith, "Contrasting the Capabilities of Building Energy Performance Simulation Programs," *Building and Environment* 43, no. 4 (2008): 661–673.
- Timothy Hemsath, "Conceptual Energy Modeling for Architecture, Planning and Design: Impact of Using Building Performance Simulation," in *13th Conference of International Building Performance Simulation Association*, ed. Etienne Wurtz (Chambéry, France: IBPSA, 2013), 376–384.
- *Energy Modeling in Architectural Design*, Timothy L. Hemsath and Kaveh Alagheh Bandhosseini
- ASHRAE Website





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