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# CERTIFIED SUSTAINABLE DEVELOPMENT PROFESSIONAL - CSDP 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

7

# Certified Sustainable Development Specialist Certification

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# **CERTIFIED SUSTAINABLE DEVELOPMENT PROFESSIONAL CSDP OVERVIEW**

A CSDP is an individual who has demonstrated a comprehensive understanding and proficiency in sustainable development principles and practices. This certification signifies that the individual has met specific educational requirements, acquired relevant work experience, and successfully passed a certification examination.

# Learning Objectives

- Introduction
- Getting Started with CSDP
- What is Sustainable Development?
- Sustainable Development: Definitions & Applications
- Environmental Issues Associated with Sustainable Development
- Alternative Energy & Carbon Reduction
- **Certified Sustainable Development Specialist Certification**
- Summary and Resources
- CSDP Practice Test V.4.1\_Test Your Knowledge!



# INTRODUCTION

- The certification is designed for professionals aiming to enhance their expertise in implementing sustainable practices across various sectors.
- The primary objectives of the certification are Knowledge Acquisition, Skill Development, Professional Recognition, and Networking Opportunities.
- The curriculum is organized into several modules focusing on critical aspects of sustainable development.
- The modules cover the historical evolution of sustainable development, key theories, and global frameworks such as the United Nations Sustainable Development Goals (SDGs).
- The modules also cover environmental science and ecology, social equity and community engagement, sustainable economic practices, policy and governance, and implementation and evaluation.

# CERTIFIED SUSTAINABLE DEVELOPMENT SPECIALIST CERTIFICATION OVERVIEW

## Assessment and Certification Process

- The assessment process includes multiple-choice questions, case study analyses, and essay-type questions.
- Candidates may be required to complete a project demonstrating their ability to apply sustainable practices in a real-world setting.
- Continuing education and training are required to maintain certification.

## Career Opportunities

- The certification provides a competitive advantage in a job market that increasingly values sustainability expertise.



# WHAT IS CERTIFICATION FOR SUSTAINABLE DEVELOPMENT SPECIALISTS?

- Certification signifies that an individual has met standards of excellence in the field of high-performance building design and construction.
- It ensures that buildings are designed and constructed in a way that maximizes energy efficiency and minimizes environmental impact.
- It provides a way for building owners, developers, and other stakeholders to identify professionals with the expertise needed to deliver high-performing buildings



# HOW TO BECOME CERTIFIED:

- Eligibility requirements include a certain level of education and professional experience.
- Candidates must pass a comprehensive examination testing their knowledge of high-performance building design and construction principles.
- Some certification programs may require candidates to complete a certain number of hours of continuing education or professional development activities to maintain their certification.



# THE CSDP BODY OF KNOWLEDGE



| <b>Body of Knowledge</b>   | <b>Percent of Exam</b> |
|--|------------------------|
| What is Sustainable Development  | 1 – 3 %                |
| Sustainable Development: Definitions & Applications                        | 1 – 3 %                |
| Environmental Issues Associated with Sustainable Development               | 9 – 11 %               |
| Alternative Energy & Carbon Reduction                                      | 7 – 9 %                |
| Local Sustainable Policy Programs  | 2 – 4 %                |
| Energy Efficiency Technologies in Sustainable Buildings                    | 15 – 17 %              |
| Corporate & Industrial Sustainability Programs                             | 6 – 8 %                |
| Impact of Sustainable Development Policies                                 | 2 – 4 %                |
| Renewable Energy   | 14 – 16 %              |
| Sustainable Transportation   | 1 – 3 %                |
| Programs & Technologies to Reduce Water Consumption                        | 3 – 5 %                |
| Sustainability in Industrial & Manufacturing Settings                      | 3 – 5 %                |
| Management Approaches to Developing & Implementing Sustainability Programs | 5 – 7 %                |
| Financial Assessment & Life Cycle Costing                                  | 8 – 10 %               |
| Developing & Implementing Sustainability Plan                              | 1 – 3 %                |

# CSDP EXAM PREPARATION RESOURCES

- Sustainable Development Handbook, Second Edition
- Visions for a Sustainable Energy Future, Author: Mark A. Gabriel
- Marketing Green Buildings, Guide for Engineering, Construction and Architecture
- Carbon Reduction, Policies, Strategies and Technologies
- Design Guides: ASHRAE GreenGuide, Advanced Energy Design Guide for Small to Medium Office and Small Retail Buildings.
- Standards and Guidelines: ASHRAE Standard 55, ANSI/ASHRAE 62.1, ANSI/ASHRAE/IESNA Standard 90.1 (I-P), ANSI/ASHRAE/IESNA Standard 90.2, ANSI/ASHRAE/USGBC/IES Standard 189.1, ASHRAE Guideline 0: Commissioning Process, ASHRAE Guideline 1.1, ASHRAE Guideline 4: Preparation of Operating and Maintenance Documentation for Building Systems, ASHRAE Guideline 14: Measurement of Energy and Demand Savings.
- <https://learn.beyondsmartcities.in/courses/>



# WHO ARE CERTIFIED SUSTAINABLE DEVELOPMENT PROFESSIONALS?

- Energy professionals with knowledge of "green" construction technologies.
- Energy-efficiency consultants helping clients understand the impact of sustainable practices.
- Involved in planning, developing, and implementing sustainability policies or programs.
- Recognized for understanding development practices, policies, technical requirements, program analysis, and financial assessments.
- Work in commercial, institutional, industrial, or governmental sectors.
- Specific knowledge applicable to a given market, such as green building construction, environmental mitigation, industrial facility operation, planning, alternative energies, carbon reduction, sustainable transportation, or water conservation.



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# BOTTOM LINE BENEFITS OF CERTIFICATION

- Personal and financial investment in career advancement.
- Shows understanding of the profession and commitment to high standards of sustainable development.
- Increases affinity with customers due to CSDP on-staff's understanding of their requirements.
- Companies support sustainability programs to align corporate programs and reduce operating costs.



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# THANK YOU

