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RENEWABLE ENERGY PROFESSIONAL

REP OVERVIEW

ONLINE TRAINING BY KRISHNAJI PAWAR

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

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MODULE

7

Professional certification in Renewable Energy

KRISHNAJI PAWAR - CEO & FOUNDER

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

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RENEWABLE ENERGY PROFESSIONAL OVERVIEW

The Renewable Energy Professional (REP™) certification acknowledges professionals with expertise in renewable and alternative energy technologies, project assessment, and achieving low-carbon and sustainability goals for organizations, recognizing their experience and expertise.

Learning Objectives

- Introduction
- Environmental Impacts
- Alternative Energy and Carbon Reduction
- The Future of Alternative Energy
- Energy Conservation and Efficiency
- Alternative Energy Strategies for Buildings
- Professional certification in Renewable Energy
- Summary and Resources
- REP Practice Test: Test Your Knowledge!



INTRODUCTION

- The CREP certification is a professional certification for professionals in renewable energy technologies.
- It validates the knowledge and competencies of professionals in the renewable energy sector.

Objectives of the CREP Certification:

- Validation of Knowledge: Provides a recognized standard of knowledge and skills in renewable energy technologies.
- Professional Development: Encourages ongoing education and professional growth in the renewable energy field.
- Industry Credibility: Enhances the credibility of professionals working in renewable energy, fostering trust among stakeholders.

CERTIFIED RENEWABLE ENERGY PROFESSIONAL (CREP) BY THE ASSOCIATION OF ENERGY ENGINEERS (AEE)

Eligibility Criteria:

- Candidates must meet specific educational and professional experience requirements.
- Requirements include a bachelor's degree in engineering, relevant work experience in renewable energy, and completion of training courses or workshops related to renewable energy technologies.

Examination Structure:

- The examination covers Renewable Energy Fundamentals, Technologies and Applications, Policy and Regulation, and Project Development and Management.



CERTIFIED RENEWABLE ENERGY PROFESSIONAL (CREP) BY AEE +

Continuing Education and Maintenance:

- CREP professionals are required to engage in continuing education activities, including attending workshops, conferences, and webinars.

Importance of the CREP Certification:

- Enhances career advancement, industry standards, and consumer confidence.
- The certification contributes to the advancement of the renewable energy industry.



THE REP BODY OF KNOWLEDGE PREPARATION FOR THE REP CERTIFICATION EXAM

The REP Examination contains the following mandatory subjects:

Body of Knowledge	Percent of Exam
Renewable Energy and Environmental Impacts	6%-10%
Solar Energy	11%-17%
Wind Energy	10%-16%
Hydropower	7%-11%
Geothermal Energy	6%-10%
Biomass Energy	6%-8%
Waste-to-Energy Systems	3%-5%
Hydrogen Applications	3%-5%
Hybrid Systems	4%-6%
Energy Storage	6%-8%
Alternative Energy Strategies for Buildings	6%-8%
Transportation Systems	3%-5%
Financing and Incentives for Alternative Energy	6%-10%
Renewable Energy Application for Micro-grids	2%-4%





CONTACT US



+91 6363032722



info@beyondsmartcities.in



learn.beyondsmartcities.in



#55,HMR Layout ,Bengaluru ,India



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