Mastering Digital Sustainability: IT Management for Green Innovation

09 - 13 Jun 2025
Barcelona

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Training Center

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Mastering Digital Sustainability: IT Management for Green Innovation

Ref.: 36391_44183 **Date:** 09 - 13 Jun 2025 **Location:** Barcelona **Fees:** 5700 **Euro**

Course Overview

Sustainability is now essential for organizations worldwide. the training course aimed at helping IT professionals integrate sustainability into their operations. The course highlights the role of digital technologies in reducing carbon footprints and implementing green IT strategies.

Participants will explore ESG frameworks, comply with ISO standards, and learn about sustainable IT operations. They will gain hands-on experience with sustainability tracking software and energy-efficient data centre strategies. By aligning IT governance with environmental goals and examining technologies like blockchain, IoT, and AI, this course offers practical insights for fostering sustainable digital transformation.

Target Audience

- IT Managers and Professionals
- Environmental Sustainability Officers
- Business Leaders focused on Green Innovation
- Corporate Strategists working on sustainability goals
- Organizations transitioning to environmentally sustainable practices

Targeted Organizational Departments

- IT Operations
- Environmental Compliance
- Corporate Sustainability
- Data Center Management
- Supply Chain and Logistics

Targeted Industries

- Information Technology and Cloud Service Providers
- Manufacturing and Supply Chain Industries
- Energy and Utilities
- Financial Services focused on ESG compliance
- Government and Public Sector

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Course Offerings

By the end of this course, participants will be able to:

- Develop strategies to reduce the carbon footprint of IT operations.
- Implement green IT practices in alignment with ESG frameworks.
- Optimize IT resource use with IoT, AI, and energy-efficient tools.
- Understand ISO 14001 compliance for sustainable IT governance.
- Leverage blockchain and cloud computing for eco-friendly innovation.
- Create a sustainability roadmap tailored to organizational needs.

Training Methodology

This program utilizes interactive lectures, group discussions, and practical workshops to ensure a dynamic learning experience. Participants will engage in real-world case studies, hands-on exercises using sustainability tracking methods, and collaborative policy design sessions. Reflection and feedback sessions after each day will consolidate learning, while the final project challenges participants to create a comprehensive IT sustainability strategy.

Course Toolbox

- Comprehensive course ebooks
- Templates for IT sustainability roadmaps
- Checklists for green IT practices
- Real-world case studies and reports

Course Agenda

Day 1: Understanding the Foundations of Digital Sustainability

- **Topic 1:** Defining Digital Sustainability and its Importance
- **Topic 2:** Environmental Impact of IT Infrastructure and Operations
- **Topic 3:** Exploring Key Frameworks and Standards ESG, UN SDGs, ISO 14001
- **Topic 4:** Key Concepts in Sustainable IT Management
- **Topic 5:** Identifying Opportunities for Carbon Footprint Reduction in IT
- **Topic 6:** Analyzing the Carbon Footprint of IT Systems Group Activity
- **Reflection & Review:** Reflection on the importance of digital sustainability and review of foundational principles

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Day 2: Implementing Green IT and Sustainable Practices

- **Topic 1:** Introduction to Green IT: Concepts and Benefits
- **Topic 2:** Strategies for Energy-Efficient Data Centers and Cloud Computing
- **Topic 3:** Best Practices for E-Waste Management and Recycling
- **Topic 4:** Designing a Green IT Policy for Organizations Workshop
- **Topic 5:** Exploring Renewable Energy Options for IT Operations
- **Topic 6:** Monitoring IT Energy Consumption with Digital Tools
- **Reflection & Review:** Discussion on practical steps for implementing Green IT and key takeaways from the day

Day 3: Leveraging Technology to Achieve Environmental Goals

- **Topic 1:** Using Digital Tools to Monitor Environmental Impact
- **Topic 2:** Role of IoT in Sustainability Initiatives
- **Topic 3:** AI for Resource Optimization and Environmental Monitoring
- **Topic 4:** Case Studies: Successful Examples of IT-Driven Sustainability
- **Topic 5:** Applying Sustainability Tracking Software Hands-on Exercise
- **Topic 6:** Aligning IT Operations with UN SDGs and Environmental Goals
- **Reflection & Review:** Reflection on leveraging technology for sustainability and review of case studies

Day 4: Governance, Compliance, and Performance in IT Sustainability

- **Topic 1:** IT Governance Strategies for Sustainability Alignment
- **Topic 2:** Understanding Compliance with Environmental Regulations
- **Topic 3:** Measuring Sustainability Performance: Key Metrics and KPIs
- **Topic 4:** Overcoming Barriers to Adopting Sustainable IT Practices
- **Topic 5:** Developing ISO 14001-Compliant IT Policies
- **Topic 6:** Creating Sustainability Reports for IT Operations
- **Reflection & Review:** Group discussion on governance challenges and review of KPI-based performance tracking

Day 5: Innovations and Future Trends in Digital Sustainability

- **Topic 1:** Exploring Emerging Technologies: Blockchain, Green AI, and Edge Computing
- **Topic 2:** Digital Tools for Creating Sustainable Supply Chains
- **Topic 3:** Strategies for IT Solutions in Achieving Carbon Neutrality
- **Topic 4:** Driving Innovation in Sustainable Digital Transformation
- **Topic 5:** Final Project: Developing a Comprehensive Digital Sustainability Roadmap
- **Topic 6:** Presentation and Feedback Session: Sharing Sustainability Strategies
- **Reflection & Review:** Wrap-up discussion on future trends and final thoughts on course outcomes

FAQ

- **What specific qualifications or prerequisites are needed for participants before enrolling in the course?**

  No formal qualifications are required. However, basic knowledge of IT operations and a keen interest in sustainability are beneficial.

- **How long is each day's session, and what is the total duration?**

  Each day’s session lasts 4-5 hours, including interactive activities. The total course duration is 20-25 hours across five days.

- **How will participants track and measure the success of sustainability initiatives?**

  Participants will be introduced to sustainability tracking software and KPI measurement tools, ensuring actionable insights into their organization’s progress.

How This Course is Different from Other Digital Sustainability Courses

Unlike conventional courses, Mastering Digital Sustainability: IT Management for Green Innovation delves deeply into both the technical and strategic aspects of sustainable IT. It integrates cutting-edge topics like blockchain, IoT, and AI for resource optimization while emphasizing practical applications through workshops and hands-on exercises. The course is tailored to provide actionable insights for real-world implementation, setting participants up for measurable success in aligning IT operations with environmental goals.

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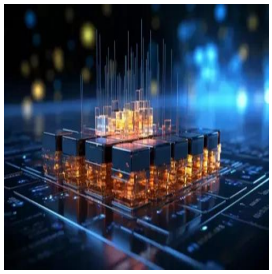
Training Course Categories

Finance and Accounting Training Courses

Agile PM and Project Management Training Courses

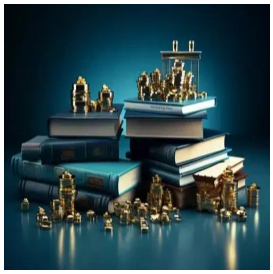
Certified Courses By International Bodies

Communication and Public Relations Training Courses



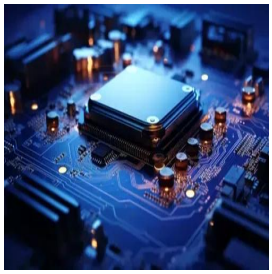
Data Analytics Training and Data Science Courses

Environment & Sustainability Training Courses



Governance, Risk and Compliance Training Courses

Human Resources Training and Development Courses



IT Security Training & IT Training Courses

Leadership and Management Training Courses

Legal Training, Procurement and Contracting Courses

Maintenance Training and Engineering Training Courses

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Training Course Categories

Marketing, Customer Relations, and Sales Courses

Occupational Health, Safety and Security Training Courses

Oil & Gas Training and Other Technical Courses

Personal & Self-Development Training Courses

Quality and Operations Management Training Courses

Secretarial and Administration Training Courses

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Doha - Qatar

Dubai - UAE

Geneva - Switzerland

Istanbul - Turkey

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Phuket - Thailand

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Rome - Italy

Sharm El-Sheikh - Egypt

Tbilisi - Georgia

Tokyo - Japan

Vienna - Austria

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Zoom - Online Training

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.

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