

Updated on 27/05/2024

Sign up

Green IT 2.0 training: Ecodesign

digital responsibility training + certification preparation (included)

2.5 days (17h30)

PRESENTATION

Green IT is an eco-concept whose aim is to reduce the ecological impact of digital technology. Digital technology has significant ecological impacts, such as pollution, greenhouse gas emissions, toxic waste production and so on. To reduce these digital ecological impacts, you need to apply eco-design strategies to your business projects. The job market for "green IT" professionals is growing worldwide. Mastery of this field is imperative in the [professional digital](#) world. In view of the challenges facing governments, reducing energy consumption and greenhouse gas emissions have become essential issues. Our Green IT 2.0 Ecodesign training course will teach you the methodology and fundamental tools of [digital service eco-design](#). This course will introduce you to the implementation of Green IT strategies and digital sobriety. At the end of this course, you'll be able to implement a Green IT strategy to make your digital projects more eco-friendly. What's more, during this course we'll teach you all the best practices to prepare you perfectly for digital service eco-design certification.

OBJECTIVES

- Identify the main ecological impacts of digital technology
- Applying Green IT solutions to websites, digital services and information systems
- Implementing a Green IT strategy
- Understanding digital issues
- Knowing best practices
- Be ready for "digital service eco-design" certification

TARGET AUDIENCE

All audiences

Prerequisites

No

Green IT 2.0 training program

Fundamentals

- A reminder of the ecological footprint
- Ecological crises
- Energy production and impact
- Primary energy and embodied energy
- Digital footprint

Ecodesign

- The eco-design approach
- Implementing eco-design on a project
- **Digital sobriety**
- The tools
- [The TOP programming languages](#) and their memory footprint
- The uses
- Best practices

Green IT: responsible digital

- Introduction to digital responsibility
- Digital CSR issues
- Using a "responsible digital" approach
 - Actions to be implemented
- Innovation in Green IT
 - Green IT 1.0 and 2.0
- Cloud Computing
- The impact of cloud computing on the jobs of the future

Sustainable development

- How can sustainable development be applied to business?
 - Identifying the issues
 - CSR approach
 - Actions to be implemented
- Environmental issues
- Social issues
- Economic stakes

Implementing a Green IT strategy

- How can we combine the ecological transition with digital transformation?
- Defining a Green IT strategy
- CSR policy
- Tools to implement
 - Steering tools
 - Governance tools
 - Tracking tools
- ICT impact on the environment

Ecodesign standards

- Environmental management standards
 - EN/ISO
 - EMAS
- NF X30-264 and ISO/TR 14062 standards
- How to make the process cycle more energy-efficient
- Green grid

Solutions

- Audit your site with Eco meter
- Audit site plug-ins
- Analyze the lifecycle of digital services
- Ecodesign of digital services
- Datacenter construction and optimization

Preparing for certification

- Focus on eco-design of online services and websites
- Mastering the tools and methods for eco-building a digital service
- Assessing the maturity and performance of a digital service
- Understanding vocabulary and basic knowledge

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.