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Sign up

Training for responsible digital practices
1 day (7 hours)

PRESENTATION

Our Adopting responsible digital practices training course will teach you how to combine ecological transition and digital transformation in a professional context. New technologies have both an energetic and a social cost, and it's important for organizations to master them.

Digital technology has a significant ecological impact, and our training program will teach you the basics of sustainable development (ecological, social and economic) and how to apply its principles to your day-to-day technological development.

You'll learn about the latest trends in programming languages (such as Rust), infrastructures (Green DevOps) and sustainable artificial intelligence (AI for Green), so that you can effectively integrate these innovative approaches into your eco-design process.

Our training will also teach you how to set up an internal action as well as how to collect and measure KPIs to ensure that it is being properly applied.

OBJECTIVES

- Understanding the challenges of digital responsibility within a company
- Identify the environmental, economic and social impacts digital use in a company
- Apply the recommendations within your organization to reduce the footprint of your business. digital environment
- Implement best practices to limit energy consumption (equipment optimization, data management, etc.).
- Identify eco-design avenues using more energy-efficient technologies
- Raising employee awareness of eco-responsible digital practices

TARGET AUDIENCE

- Anyone from a professional background

Prerequisites

- First experience of digital technology in a company. This experience need not be technical.

Programme of our training course on adopting responsible digital practices

The challenges of responsible digital

- From sustainable development to eco-design of digital services
- The "hidden" footprint of digital technology and AI
- Understanding the impact of digital technology on the environment
- The basics of sustainable development (Triple Bottom Line, Factor 4, etc.)
- CSR approach
- Recommendations from leading players: ARCEP, INR, MiNumEco (Mission interministérielle du Numérique Responsable)
- Introduction to the Green IT and IT for Green approaches

A reminder of regulations and standards

- In France, the REEN and AGEC laws
- In Europe, CSRD
- ESG: including carbon footprint in extra-financial reporting

Identify sources of footprints in your organization

- Life Cycle Assessment (LCA) of devices
- Infrastructure and data centers
- Local sovereign cloud and online
- Teleworking and environmental impact
- Competitive opportunities and advantages
- Case study: Analysis of a company's carbon footprint

Digital eco-design

- Functional simplicity and on-demand use

- RGESN (Référentiel Général d'Écoconception de Services Numériques - General Ecodesign Guidelines for Digital Services)
- Choice of low-impact technologies: Rust, Kubernetes
- Serverless architecture
- Green DevOps (e.g.: Scaphandre to measure energy consumption in real time)
- IA for Green
- Workshop: Measuring the environmental impact of a Web page (EcoIndex or GreenIT-Analysis)

Reduce your carbon footprint

- Extending equipment service life
- Limit energy consumption by appliances and infrastructure
- Good storage practices
- Eco-efficient hardware and architecture
- Practical workshop: Analyze your own workstation and habits, and think about how to optimize them.

Implementing a responsible digital approach

- Pooling and optimizing IT resources
- Data streamlining
- Design an internal action plan
- Measuring for action
- Project management and KPI measurement
- Implementing best practices
- Involving teams in change
- Practical exercise: Simulating a digital sobriety project

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 which enables 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 for 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, 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.