

Course : A Strategic Perspective on AI - Responsible AI, Human Judgment, and Ethical Governance

Design, manage, and deploy trustworthy AI systems

Seminar - 1d - 7h00 - Ref. NDA

Price : 1100 CHF E.T.

NEW

Artificial intelligence is profoundly transforming decision-making processes, organizations, and the relationships of trust between companies, their employees, and their stakeholders. Beyond technological performance, issues related to AI ethics, governance, regulatory compliance, and human judgment are becoming key factors for success. This training course provides participants with a strategic and operational understanding of responsible AI, enabling them to manage risks, build trust, and integrate the principles of ethical governance into AI projects. It provides concrete guidelines for balancing innovation, compliance, and accountability in a context marked by the entry into force of the European AI Act.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the major ethical, human, regulatory, and organizational issues related to AI
- ✓ Identify the visible and invisible risks of an AI system: bias, discrimination, lack of transparency, excessive automation, and loss of judgment
- ✓ Distinguishing Between Regulatory Compliance, Actual Responsibility, and Human Acceptability
- ✓ Incorporating Ethics from the Very Beginning of an AI Project
- ✓ Clarify the responsibilities among management, business units, data, legal, compliance, and users
- ✓ Using the AI Act as a lever for trust, auditability, and responsible competitiveness
- ✓ Preserving human judgment, cognitive autonomy, and decision-making quality in AI applications

PARTICIPANTS

Executives, members of executive committees, innovation leaders, digital transformation leaders, business unit leaders, AI project managers, data leaders, compliance officers, legal counsel, DPOs, CISOs, managers, consultants, and anyone involved in the design, deployment, or governance of artificial intelligence systems.

PREREQUISITES

None

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

Intended audience

Executives, members of executive committees, innovation leaders, digital transformation leaders, business unit leaders, AI project managers, data leaders, compliance officers, legal counsel, DPOs, CISOs, managers, consultants, and anyone involved in the design, deployment, or governance of artificial intelligence systems.

Prerequisites

None

Practical details

Theoretical concepts illustrated with examples from real-world artificial intelligence projects. Case studies, analytical exercises, role-playing scenarios, and governance simulations. AI risk analysis matrix and ethical decision-making framework. International standards and a summary of the requirements of the AI Act. Evaluation grid for human judgment and the acceptability of AI systems. Interactive quizzes and discussions among participants to share experiences.

Course schedule

1 Understanding the Fundamentals of Responsible AI and Strategic

Challenges

- Define the concepts of responsible AI, AI ethics, AI governance, and trustworthy AI
- Identify the impacts of artificial intelligence on decision-making processes, work organization, and responsibilities
- Distinguishing Between Regulatory Compliance, Organizational Responsibility, and Human Acceptability
- Review major international standards: UNESCO, OECD, NIST AI RMF, and the European framework
- Linking the principles of responsible AI to issues of trust, competitiveness, and sustainable transformation

Hands-on work

Interactive quiz and in-depth analysis of a real-world case study. Participants are invited to take a stance on various statements related to AI ethics, organizational responsibility, and digital trust. The instructor provides an in-depth analysis of a high-profile case that illustrates the challenges of responsible AI.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

2 Identify and assess risks associated with AI systems

- Identify algorithmic biases related to data, models, and usage
- Analyze the risks of discrimination, exclusion, and violations of fundamental rights
- Identify instances of excessive automation and a loss of human judgment
- Identify the risks associated with Shadow AI and the uncontrolled use of generative AI
- Assess the organizational, reputational, legal, and operational impacts of AI systems

Hands-on work

A guided demonstration of an AI risk matrix applied to a real-world use case.
A quiz to help distinguish between technical, human, organizational, and regulatory risks and assess their potential impacts.

3 Integrating Ethics by Design into Artificial Intelligence Projects

- Defining the legitimate purpose and value provided by an AI system
- Balancing performance, fairness, robustness, explainability, and human oversight
- Determine the necessary safeguards: human validation, alert thresholds, traceability, and auditability
- Design mechanisms that promote algorithmic transparency and the auditability of AI systems
- Preventing the effects of opacity and the illusion of neutrality in algorithms

Hands-on work

Presentation of a fictional AI project facing several strategic trade-offs.
Through an interactive voting or polling system, participants choose the options they would prioritize in terms of performance, fairness, explainability, or human oversight. The instructor analyzes the results and explains the trade-offs.

4 Establishing Effective Governance and Leveraging the Requirements of the AI Act

- Clarify the roles and responsibilities of management, business units, data teams, the legal department, compliance, the DPO, and the CISO
- Establish a governance framework commensurate with the risk level of AI systems
- Understanding the risk-based approach introduced by the European AI Act
- Identify the obligations associated with the various categories of AI systems
- Organize mechanisms for monitoring, escalation, documentation, and continuous improvement

Hands-on work

Demonstration of an AI governance framework inspired by real-world scenarios. Debriefing on the best practices observed.

5 Preserving Human Judgment and Building an AI That Is Acceptable in the Long Term

- Explain the concepts of human discernment, human supervision, and cognitive sovereignty
- Identify the risks of cognitive dependence associated with generative AI systems
- Evaluating the human acceptability of an AI system based on criteria of understanding, trust, and contestability
- Identify activities that can be delegated, supervised, or excluded from automation
- Developing an approach that balances innovation, inclusion, diversity, and responsibility

Hands-on work

A guided reflection exercise based on several professional scenarios involving the use of generative AI. Participants complete a decision-making questionnaire to assess what can be automated, what requires supervision, and what must remain under human control.

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