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Certified Ethical
Emerging Technologist™
(CEET)

Transforming
Business *for* Good

ACS REGISTRARS ISO 29990

ACS REGISTRARS Quality Assurance ISO 9001

ilm Approved Centre

PMI Registered Education Provider

bci Business Continuity Institute Corporate Partnership

Course content

Why Attend

Mutually reinforcing innovations in computing and engineering are catapulting advances in technological production. From blockchain and artificial intelligence (AI) to gene editing and the Internet of Things (IoT), these advances come with tremendous opportunities for improvement in productivity, efficiency, and human well-being. But as scandals increasingly demonstrate, these advances also introduce new and serious risks of conflict and harm.

Technology professionals now face growing demands to identify and mitigate ethical risks to human rights and the environment, as well as to navigate ethical trade-offs between qualities such as privacy and accuracy, fairness and utility, and safety and accountability. This course provides the tools to identify and manage common ethical risks in the development of emerging data-driven technologies. It distills ethical theory, public regulations, and industry best practices into concrete skills and guidelines needed for the responsible development of digital products and services. By following the course's practical, problems based approach, learners will become adept at applying theories, principles, frameworks, and techniques in their own roles and organizations.

What are the Goals?

In this course, you will incorporate ethics into data-driven technologies such as AI, IoT, and data science. You will:

Describe general concepts, theories, and challenges related to ethics and emerging technologies.
Identify ethical risks.
Practice ethical reasoning.
Identify and mitigate safety and security risks.
Identify and mitigate privacy risks.
Identify and mitigate fairness and bias risks.
Identify and mitigate transparency and explainability risks.
Identify and mitigate accountability risks.
Build an ethical organization.
Develop ethical systems in technology-focused organizations.

Who is this Training Course for?

This course is designed for technology leaders, solution developers, project managers, organizational decision makers, and other individuals seeking to demonstrate a vendor-neutral, cross-industry understanding of ethics in emerging data-driven technologies, such as AI, robotics, IoT, and data science.

Course content

Course Outline

Day One : Introduction to Ethics of Emerging Technologies

What's at Stake
Ethics and Why It Matters
Ethical Decision-Making in Practice
Causes of Ethical Failures

Identifying Ethical Risks
Ethical Reasons
Stumbling Blocks for Ethical Reasoning
Identify Ethical Risks in Product Development
Tools for Identifying Ethical Risks
Use Regulations, Standards, and Human Rights to Identify
Ethical Risks

Day Two : Ethical Reasoning in Practice

Ethical Theories
Use Ethical Decision-Making Frameworks
Select Options for Action
Avoid Problems in Ethical Decision-Making

Identifying and Mitigating Security Risks
What Is Security?
Identify Security Risks
Security Tradeoffs
Mitigate Security Risks

Day Three : Identifying and Mitigating Privacy Risks

What Is Privacy?
Identify Privacy Risks
Privacy Tradeoffs
Mitigate Privacy Risks

Identifying and Mitigating Fairness and Bias Risks
What Are Fairness and Bias?
Identify Bias Risks
Fairness Trade-offs
Mitigate Bias Risks

Day Four : Identifying and Mitigating Transparency and Explainability Risks

What Are Transparency and Explainability?
Identify Transparency and Explainability Risks
Transparency and Explainability Trade-offs
Mitigate Transparency and Explainability Risks

Identifying and Mitigating Accountability Risks

What Is Accountability?
Identify Accountability Risks
Accountability Tradeoffs
Mitigate Accountability Risks

Day Five : Building an Ethical Organization

What Are Ethical Organizations?
Organizational Purpose
Ethics Awareness
Develop Professional Ethics within Organizations

**Developing Ethical Systems in Technology-Focused Organizations**

Policy and Compliance
Metrics and Monitoring
Communication and Stakeholder Engagement
Ethical Leadership

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informatech is a global leadership consultancy that aligns people, purpose & strategy - driving socially responsible transformation in global organisations. Our international network includes 215 partners, consultants, and coaches in 24 countries throughout Europe, North America, Latin America, Asia, and Africa. We transform leaders, align teams and create resolve and passion to win. Typical interventions are to accelerate performance, execute strategy and embed capability and change.

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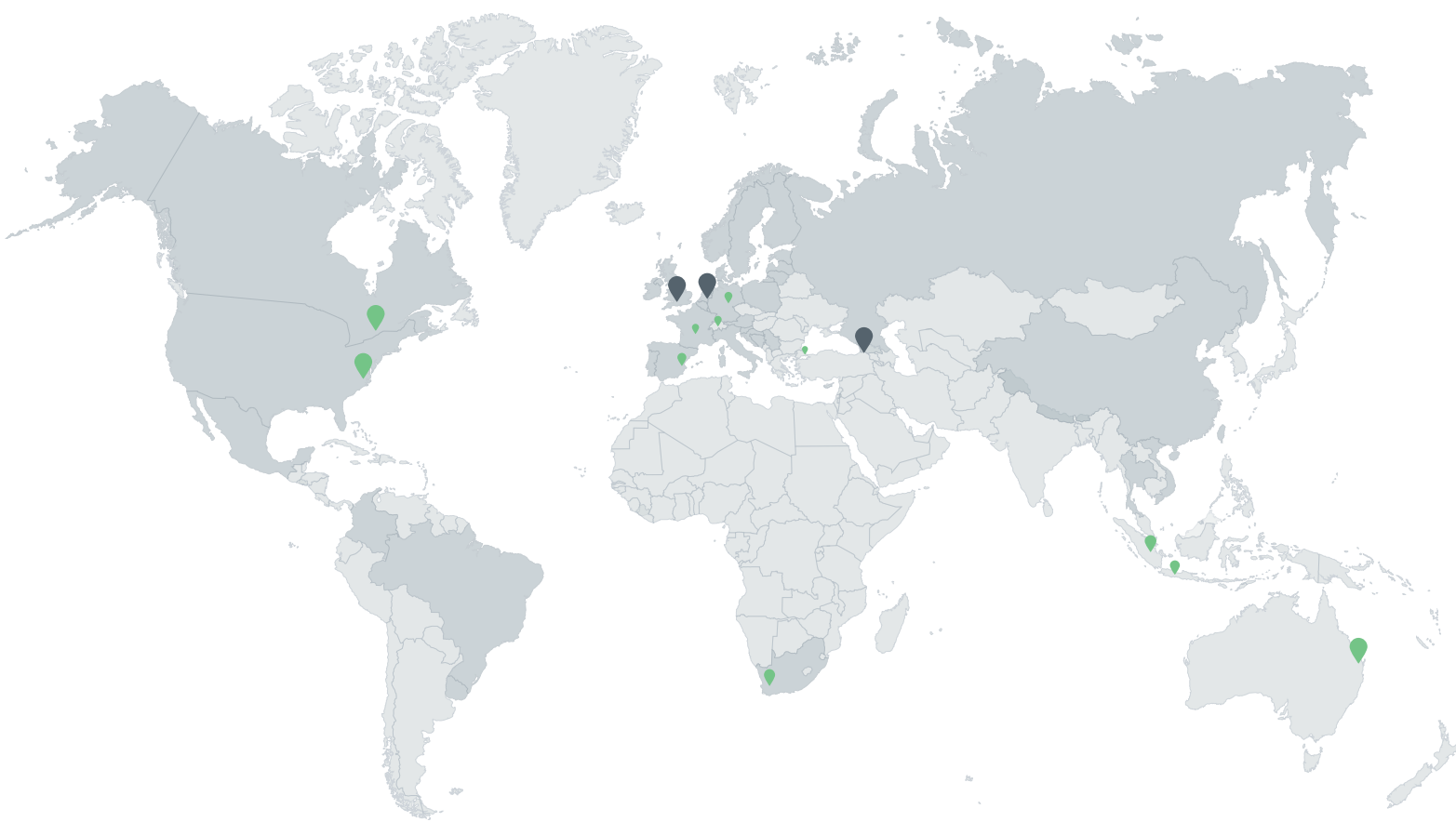
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