CERTIFIED ETHICAL EMERGING TECHNOLOGIST (CEET)



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Introduction

The Certified Ethical Emerging Technologist (CEET) Training Course prepares technology and governance professionals to bring ethics into the design, deployment, and oversight of emerging technologies. Artificial intelligence, biometrics, autonomous systems, and connected devices deliver real value, but they also create risks of bias, surveillance, misinformation, and harm. This course builds the judgement and the practical tools to identify those risks and address them before they cause damage. It covers ethical frameworks, data ethics, privacy, algorithmic fairness, and governance. Furthermore, it applies responsible design methods and assurance practices. As a result, participants become the professionals organisations rely on to deploy technology responsibly.

Certified Ethical Emerging Technologist (CEET) Course Objectives

- Explain ethical principles and how they apply to emerging technologies.
- Distinguish compliance, legality, and ethics in technology practice.
- Apply ethical frameworks to artificial intelligence and automation decisions.
- Assess bias, fairness, and discrimination risk in algorithmic systems.
- Apply privacy, consent, and data protection principles by design.
- Evaluate surveillance, biometric, and tracking technologies ethically.
- Assess misinformation, deepfake, and synthetic media risks.
- Apply transparency, explainability, and accountability requirements.
- Design ethics governance, review boards, and impact assessment processes.
- Conduct ethical impact assessments and document responsible decisions.

Course Methodology

- Interactive lectures with real technology ethics and governance case studies.

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- Ethical dilemma and case discussion workshops.
- Algorithmic bias and fairness assessment exercises.
- Impact assessment and governance design practice.
- Structured peer discussion with facilitator feedback on ethical reasoning.

Who Should Take This Course

- Technology leaders, architects, and product managers.
- Data scientists, AI developers, and analytics professionals.
- Privacy, data protection, and compliance officers.
- Risk, audit, and governance professionals in technology.
- Policy advisors and public sector technology staff.
- Ethics committee members and responsible AI officers.

Certified Ethical Emerging Technologist (CEET) Course Outlines

Day 1: Foundations of Technology Ethics

- Ethical theories and their practical relevance to technology.
- Distinguishing legality, compliance, and ethical responsibility.
- Emerging technology landscape: AI, biometrics, robotics, and IoT.
- Human rights, dignity, and technology impact.
- Stakeholder identification and harm mapping.
- Professional codes and ethical decision-making models.
- Case study: an emerging technology deployment and its ethical failures.

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Day 2: Artificial Intelligence Ethics and Fairness

- AI capability, autonomy, and accountability questions.
- Algorithmic bias sources in data, design, and deployment.
- Fairness metrics and their limitations.
- Explainability, interpretability, and right to explanation.
- Human oversight, human-in-the-loop, and automation bias.
- Generative AI risks: hallucination, misuse, and synthetic media.
- Workshop: assessing bias and fairness in an AI system.

Day 3: Privacy, Surveillance, and Data Ethics

- Privacy principles, consent, and purpose limitation.
- Data minimisation, retention, and secondary use ethics.
- Surveillance technologies and proportionality assessment.
- Biometrics, facial recognition, and identity technologies.
- Cross-border data flows and jurisdictional obligations.
- Privacy by design and default in system development.
- Workshop: conducting a privacy and proportionality assessment.

Day 4: Transparency, Accountability, and Governance

- Transparency expectations for algorithmic systems.
- Disclosure, documentation, and model cards.
- Accountability structures and decision ownership.
- Ethics review boards and approval processes.
- Algorithmic impact assessments and audit practices.

- Whistleblowing and escalation in technology ethics.
- Workshop: designing an ethics review and governance process.

Day 5: Responsible Practice and Ethical Leadership

- Building an ethical technology culture.
- Training, awareness, and capability development.
- Working with vendors, partners, and third parties ethically.
- Communicating ethical risk to executives and boards.
- Engaging stakeholders and affected communities.
- Personal ethical leadership and professional conduct.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Certified Ethical Emerging Technologist (CEET), participants will gain a thorough understanding of technology ethics, algorithmic fairness, privacy and data ethics, transparency and accountability, and responsible governance. They will also acquire practical skills in ethical assessment, bias and fairness evaluation, privacy impact analysis, and governance design. In addition, the course prepares them to lead responsible technology practice with confidence. Gentex Training Center delivers this programme with a strong focus on applied ethical practice and measurable improvement in responsible technology use.

FAQs for Certified Ethical Emerging Technologist (CEET) course

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Q1 What is the "Certified Ethical Emerging Technologist (CEET)" course about?

It is a five-day programme on applying ethics to emerging technologies. It covers ethical frameworks and decision models, AI bias and fairness, privacy and surveillance assessment, transparency and accountability, algorithmic impact assessment, and ethics governance and review processes.

Q2 What are the key benefits of the "Certified Ethical Emerging Technologist (CEET)" course?

Participants gain practical tools rather than abstract principles, which lets them act before harm occurs. The course reduces regulatory and reputational risk, improves trust with customers and communities, strengthens AI and data governance, improves procurement and vendor scrutiny, and supports compliance with emerging AI and privacy obligations.

Q3 What skills will I gain from the "Certified Ethical Emerging Technologist (CEET)" course?

Participants gain ethical frameworks and dilemma resolution, algorithmic bias and fairness assessment, privacy, surveillance and data ethics evaluation, and transparency, accountability and ethics governance design. These four skills cover the practical core of responsible technology practice.

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Q4 What tools, methods, or standards are covered in the "Certified Ethical Emerging Technologist (CEET)" course?

The course covers ethical theories and ethical decision-making models, harm mapping and stakeholder analysis, professional codes of conduct, algorithmic bias sources and fairness metrics, explainability and right-to-explanation concepts, human-in-the-loop design and automation bias checks, generative AI risk assessment, privacy principles and purpose limitation, data minimisation and retention rules, proportionality assessment for surveillance technologies, biometric and facial recognition considerations, privacy by design methods, cross-border data flow obligations, transparency and disclosure practices including model cards, algorithmic impact assessments, ethics review board processes, audit and assurance practices, whistleblowing and escalation routes, vendor and third-party ethical due diligence, and responsible AI governance frameworks.

Q5 How is the "Certified Ethical Emerging Technologist (CEET)" course applied in real-world practice?

Participants apply the frameworks to live projects. They run bias and fairness assessments, complete privacy and proportionality reviews, prepare algorithmic impact assessments, design ethics review gates, document model limitations, and brief executives on ethical risk. Many leave with an impact assessment template and a governance process outline ready for adoption.