Training Course on Artificial Intelligence Ethics and Governance

Professional Development Training Course Outline

Category	Artificial Intelligence And Block Chain	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's rapidly evolving technological landscape, **Artificial Intelligence (AI)** is no longer a futuristic concept but a present reality permeating various aspects of our lives and industries. This transformative power, however, brings forth critical ethical and governance challenges that demand careful consideration. This comprehensive training course on **Artificial Intelligence Ethics and Governance** is meticulously designed to equip individuals and organizations with the necessary knowledge and frameworks to navigate these complex issues responsibly and proactively. By delving into the core principles of **AI ethics**, understanding the nuances of **AI governance**, and exploring practical implementation strategies, participants will gain the competence to foster the development and deployment of **responsible AI systems**. This course addresses the urgent need for professionals who can champion ethical considerations and establish robust governance mechanisms within their respective domains, ensuring that the immense potential of **AI** is harnessed for societal good while mitigating potential risks and biases.

This training program offers a unique blend of theoretical foundations and practical applications, focusing on actionable insights and real-world case studies. Participants will explore the multifaceted dimensions of **AI accountability**, learn to address issues of **algorithmic bias**, and understand the importance of **data privacy** in the context of **AI development**. Furthermore, the course will examine the evolving regulatory landscape surrounding **AI**, providing participants with a clear understanding of current and emerging legal and ethical standards. Through interactive sessions and collaborative exercises, learners will develop the critical thinking skills required to analyze complex ethical dilemmas, contribute to the formulation of effective **AI governance frameworks**, and promote a culture of **ethical AI innovation** within their organizations. This course is an essential investment for any individual or organization seeking to leverage the power of **AI** responsibly and sustainably.

Programme Curriculum

Training Course on Artificial Intelligence Ethics and Governance

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Course Duration

10 days

Course Objectives

1. Grasp the core ethical theories and their application to artificial intelligence.
2. Learn to recognize, analyze, and address **algorithmic bias** in AI systems.
3. Comprehend the principles of **data privacy** and security best practices for AI applications.
4. Develop strategies for defining and implementing **AI accountability** within organizations.
5. Understand current and emerging **AI regulations** and compliance requirements.
6. Learn techniques for fostering **transparency in AI** and enhancing **AI explainability**.
7. Analyze the unique ethical challenges posed by AI in healthcare, finance, and other sectors.
8. Implement ethical considerations throughout the **AI development lifecycle**.
9. Cultivate an organizational environment that prioritizes **ethical AI innovation**.
10. Design and deploy robust **AI governance frameworks** within organizations.
11. Understand and address the broader **societal impact of AI** advancements.
12. Learn methodologies for **AI auditing** and ensuring ethical adherence.
13. Engage in discussions and contribute to the ongoing evolution of **responsible AI**.

Organizational Benefits

- Enhanced Reputation and Trust.

- Reduced Legal and Regulatory Risks
- Improved Innovation and Sustainability.
- Attracting and Retaining Top Talent.
- Competitive Advantage
- Better Decision-Making.
- Increased Stakeholder Confidence.
- Mitigation of Potential Harms.

Target Audience

1. AI Developers and Engineers
2. Data Scientists and Analysts.
3. Business Leaders and Executives.
4. Compliance and Legal Professionals
5. Policy Makers and Regulators
6. Ethics Officers and Advocates
7. Researchers and Academics.
8. Anyone interested in understanding and shaping the future of responsible AI.

Course Outline

Module 1: Foundations of Artificial Intelligence Ethics

- Introduction to Ethical Theories and Principles
- The Unique Ethical Challenges of Artificial Intelligence
- Historical Context of AI Ethics and Governance
- Key Stakeholders in AI Ethics and Governance
- The Importance of a Multidisciplinary Approach

Module 2: Understanding and Mitigating Algorithmic Bias

- Sources and Types of Algorithmic Bias
- Identifying Bias in Data and Algorithms
- Techniques for Bias Detection and Mitigation
- Fairness Metrics and Their Limitations
- Case Studies of Biased AI Systems

Module 3: Data Privacy and Security in the Age of AI

- Fundamental Principles of Data Privacy (e.g., GDPR, CCPA)
- Privacy-Preserving Techniques in AI Development
- Ethical Considerations in Data Collection and Usage for AI
- Security Risks and Vulnerabilities in AI Systems
- Best Practices for Data Governance in AI

Module 4: Establishing AI Accountability and Responsibility

- Defining Accountability in Autonomous Systems
- Challenges in Assigning Responsibility for AI Actions
- Frameworks for Establishing AI Accountability
- The Role of Human Oversight in AI Systems
- Legal and Ethical Implications of AI Liability

Module 5: Navigating the Evolving AI Regulatory Landscape

- Overview of Current and Emerging AI Regulations Globally
- Key Provisions and Implications of AI Laws and Guidelines
- The Role of Standards and Certifications in AI Governance
- Industry-Specific AI Regulatory Considerations
- Anticipating Future Trends in AI Regulation

Module 6: Promoting Transparency and Explainability in AI Systems

- The Importance of Transparency and Explainability (XAI)
- Techniques for Achieving Explainability in Machine Learning Models
- Trade-offs Between Accuracy and Explainability
- User-Centric Approaches to AI Transparency
- Building Trust Through Explainable AI

Module 7: Ethical Considerations in Specific AI Applications

- AI Ethics in Healthcare: Privacy, Bias, and Autonomy
- AI Ethics in Finance: Algorithmic Trading and Credit Scoring
- AI Ethics in Criminal Justice: Predictive Policing and Surveillance
- AI Ethics in Education: Personalized Learning and Assessment
- AI Ethics in Autonomous Vehicles: Safety and Moral Dilemmas

Module 8: Developing Responsible AI Development Practices

- Integrating Ethical Considerations into the AI Development Lifecycle
- Ethical Design Principles and Methodologies
- Tools and Resources for Ethical AI Development
- Collaboration Between Technical and Ethical Experts
- Documenting Ethical Considerations in AI Projects

Module 9: Fostering a Culture of Ethical AI Innovation within Organizations

- Building Awareness and Training on AI Ethics
- Establishing Internal Guidelines and Policies for AI Development and Deployment
- Creating Ethical Review Boards and Processes
- Promoting Open Dialogue and Feedback on AI Ethics
- Leadership's Role in Championing Ethical AI

Module 10: Implementing Effective AI Governance Strategies

- Developing Organizational Structures for AI Governance
- Defining Roles and Responsibilities for AI Ethics and Governance
- Establishing Risk Assessment and Mitigation Strategies for AI
- Implementing Monitoring and Auditing Mechanisms for AI Systems
- Adapting Governance Frameworks to Evolving AI Technologies

Module 11: Understanding and Managing the Societal Impact of AI

- The Impact of AI on Employment and the Future of Work
- Addressing Social Inequalities and Disparities Amplified by AI
- The Role of AI in Shaping Public Discourse and Democracy
- Ethical Considerations in Human-AI Interaction and Collaboration
- Exploring the Potential for AI for Social Good

Module 12: Evaluating and Auditing AI Systems for Ethical Compliance

- Developing Metrics and Frameworks for Ethical AI Evaluation
- Techniques for Auditing AI Algorithms and Data
- Identifying and Addressing Ethical Risks in Deployed AI Systems
- The Role of Independent Audits and Assessments
- Continuous Monitoring and Improvement of Ethical AI Practices

Module 13: The Future of Ethical and Responsible AI

- Emerging Trends and Challenges in AI Ethics and Governance
- The Role of International Cooperation in Shaping AI Ethics
- Philosophical Perspectives on the Future of AI and Humanity
- Opportunities for Innovation in Ethical AI Solutions
- Contributing to the Ongoing Dialogue on Responsible AI Development

Module 14: Practical Application and Case Studies

- In-depth Analysis of Real-World Ethical Dilemmas in AI
- Group Exercises in Applying Ethical Frameworks to AI Scenarios
- Developing Case Studies of Effective AI Governance Implementation
- Presentations and Discussions of Participant Insights
- Action Planning for Implementing Ethical AI in Participants' Contexts

Module 15: Resources and Ongoing Learning in AI Ethics and Governance

- Overview of Key Organizations and Initiatives in AI Ethics
- Recommended Readings and Online Resources for Continued Learning
- Strategies for Staying Updated on the Latest Developments in AI Ethics and Governance
- Building a Network of Professionals in the Field
- Opportunities for Further Engagement and Contribution

Training Methodology

The training course will employ a blended learning approach incorporating:

- **Interactive Lectures:** Engaging presentations covering key concepts, theories, and frameworks.
- **Case Study Analysis:** Examination of real-world examples of ethical dilemmas and governance challenges in AI.
- **Group Discussions and Debates:** Facilitated sessions for participants to share perspectives and engage in critical thinking.
- **Practical Exercises and Simulations:** Hands-on activities to apply learned concepts and develop practical skills.
- **Guest Speaker Sessions:** Insights from leading experts in AI ethics, governance, and regulation.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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