AI Governance, Risk Management, and Ethical Principles Training Course

Ref: #GRC9175

Course Introduction / Overview:

This course provides a comprehensive exploration of the critical intersection between artificial intelligence, governance, and ethics. In an era where AI systems are increasingly integrated into core business and societal functions, establishing robust ethical frameworks and governance models is no longer optional but essential for sustainable innovation and public trust. This program, offered by BIG BEN Training Center, moves beyond theoretical discussions to provide actionable strategies for implementing responsible AI. We will delve into the principles outlined by thinkers like Kate Crawford and explore concepts from influential works such as "Weapons of Math Destruction" by Cathy O'Neil, which highlights the real-world consequences of algorithmic bias. Participants will learn to navigate the complex landscape of AI regulation, manage associated risks, and build transparent, accountable, and fair AI systems. The curriculum is designed to empower leaders and practitioners to champion ethical AI within their organizations, ensuring that technological advancement aligns with human values and regulatory compliance, thereby fostering a culture of trustworthy AI from the ground up.

Target Audience / This training course is suitable for:

- Chief Technology Officers and Chief Information Officers.
- AI and Machine Learning Engineers.
- Data Scientists and Analysts.
- Legal Counsel and Compliance Officers.
- Risk Management Professionals.
- Government Regulators and Policy Makers.
- Product Managers and Project Managers.
- Corporate Governance and Ethics Committee Members.
- Business Leaders and Executive Management.
- Internal and External Auditors.

Target Sectors and Industries:

- Financial Services and Insurance.
- Healthcare and Life Sciences.
- Technology and Telecommunications.
- Government and Public Sector Agencies.
- Retail and E-commerce.
- Manufacturing and Automotive.
- Energy and Utilities.
- Consulting and Professional Services.

Target Organizations Departments:

- Information Technology and Data Science.
- Legal and Regulatory Compliance.
- Risk Management and Internal Audit.
- Research and Development (R&D).
- Corporate Strategy and Governance.
- Product Development and Management.
- Human Resources.
- Customer Service and Operations.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop and implement a comprehensive AI governance framework tailored to their organization.
- Identify, assess, and mitigate ethical risks associated with AI systems, including algorithmic bias.
- Navigate the evolving global landscape of AI regulations and ensure compliance.
- Establish clear lines of accountability and transparency for AI-driven decisions.
- Master the principles of Explainable AI (XAI) to build trust with stakeholders.
- Conduct AI ethical impact assessments for new and existing projects.
- Formulate internal policies and standards for the responsible development and deployment of AI.
- Foster a corporate culture that prioritizes ethical considerations in all AI initiatives.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, immersive, and practical, ensuring participants can translate theoretical knowledge into real-world application. We employ a blended learning approach that combines expert-led presentations with collaborative workshops, group discussions, and hands-on exercises. A significant portion of the course is dedicated to analyzing real-world case studies of AI successes and failures, allowing participants to dissect complex ethical dilemmas and governance challenges in a controlled environment. Team-based activities will encourage peer-to-peer learning and the development of practical solutions to simulated AI governance scenarios. Participants will work on creating draft policies, risk assessment templates, and communication plans. Continuous feedback from the instructor and peers is a core component, fostering a dynamic learning atmosphere. This participant-centered approach ensures that attendees leave not just with knowledge, but with the confidence and skills to lead responsible AI initiatives within their own organizations.

Course Agenda (Course Units):

Unit One: Foundations of AI Governance and Ethics

- Introduction to Artificial Intelligence and its business impact.
- Defining AI governance, ethics, and responsible AI.
- The historical context of ethics in technology.
- Understanding the key ethical challenges: bias, privacy, and accountability.
- The business case for establishing robust AI ethics and governance.
- Identifying key stakeholders in the AI ecosystem.
- Core terminology and concepts in AI ethics.

Unit Two: Core Ethical Principles and Global Frameworks

- Exploring fundamental ethical principles: fairness, transparency, and non-maleficence.
- Deep dive into accountability and contestability in AI systems.
- Review of major global AI ethics guidelines and principles.
- Analysis of emerging AI regulations such as the EU AI Act.
- Data privacy considerations and GDPR in the context of AI.
- The role of human rights frameworks in AI governance.
- Comparing industry-specific ethical codes and standards.

Unit Three: AI Risk Management: Bias, Fairness, and Transparency

- Identifying the sources and types of algorithmic bias.
- Technical and non-technical methods for bias detection and mitigation.
- Introduction to Explainable AI (XAI) and its practical applications.
- Techniques for achieving model transparency and interpretability.
- Conducting fairness audits and assessments on AI models.
- Managing data privacy risks throughout the AI lifecycle.
- Developing a comprehensive AI risk management framework.

Unit Four: Implementing AI Governance in Organizations

- Establishing an effective AI governance structure and committee.
- Roles and responsibilities: Chief AI Ethics Officer and other key positions.
- Developing and implementing corporate AI policies and procedures.
- Conducting AI Ethical Impact Assessments (AIEIA).
- Creating documentation and model cards for transparency.
- Best practices for auditing AI systems for compliance and ethics.
- Strategies for change management and fostering an ethical AI culture.

Unit Five: Advanced Topics and the Future of Responsible AI

- The ethics of autonomous systems and advanced AI.
- Leveraging AI for social good and sustainable development goals.
- Navigating the ethical challenges of generative AI.
- The future of AI regulation and global policy trends.
- Building a long-term strategy for trustworthy AI.
- Case study workshop: Designing an end-to-end AI governance plan.
- Final project presentations and creating a personal action plan.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

As AI systems become more autonomous, how do we shift the paradigm of accountability from human developers to the systems themselves, and what legal frameworks are needed to support this shift?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by adopting a holistic and implementation-focused approach to AI governance and ethics. While many programs concentrate solely on either the technical aspects of bias detection or the high-level philosophical debates, this training course bridges the critical gap between theory and practice. We provide a multidisciplinary curriculum that integrates technical, legal, operational, and strategic perspectives, ensuring participants receive a well-rounded understanding of the entire AI ecosystem. The content is meticulously structured to be actionable, moving beyond what to do and focusing on how to do it. Participants will not just learn about ethical frameworks; they will engage in hands-on workshops to draft policies, conduct risk assessments, and design governance structures. Our emphasis on real-world case studies and interactive problem-solving equips attendees with the practical skills and confidence needed to lead change and build a sustainable culture of responsible innovation within their organizations, making it an investment in organizational resilience and long-term strategic advantage.