KOENIG SOLUTIONS · COURSE OUTLINE

AI Ethics & Law: Bias, Transparency & Regulation

Learn to evaluate AI ethics, bias, transparency and regulation, from foundational concepts to governance and legal frameworks.

2 Days	10	40
16 HOURS	MODULES	TOPICS

COURSE OVERVIEW

This course examines the foundations of artificial intelligence and the ethical principles guiding its development and deployment. It covers legal and regulatory frameworks, transparency and explainability, civil liberties, accountability, and bias and discrimination in AI systems. It then addresses AI's role in global sustainability, reviews case studies on ethical dilemmas across healthcare, autonomous vehicles, surveillance and defence, and considers emerging trends and the future of AI regulation.

WHO THIS COURSE IS FOR

- **AI Developers**
- **Policy Makers**
- **Legal Professionals**
- **Compliance Officers**
- **Ethics Officers**
- **Governance Professionals**

LEARNING OBJECTIVES

- Understand the foundational concepts of AI, its types, and applications in society
- Analyze the ethical principles that guide the development and deployment of AI systems
- Evaluate national and global regulatory frameworks for governing AI technologies
- Assess the impact of AI on privacy, civil liberties, and human rights
- Identify strategies to mitigate bias and promote fairness, accountability, and transparency in AI
- Explore the role of AI in promoting global sustainability and addressing environmental and social challenges

COURSE SYLLABUS

10 Modules, 40 Topics

01

Introduction to AI and Its Applications

OVERVIEW OF ARTIFICIAL INTELLIGENCE

- Defining AI, its capabilities, and limits

NARROW AI VS. GENERAL AI

- Exploring the distinction and current state of AI development

MACHINE LEARNING AND NEURAL NETWORKS

- Core technologies powering AI systems

AI APPLICATIONS

- Chatbots, language translation, medical imaging, self-driving cars, etc.

02

Ethical Foundations in AI

ETHICS OF HUMAN DIGNITY

- Balancing human rights and AI development

NONMALEFICENCE AND BENEFICENCE

- Ensuring AI prevents harm and promotes good

FAIRNESS, JUSTICE, AND EQUITY

- Developing AI systems that are inclusive and just

AI AND HUMAN RIGHTS

- Protecting privacy, autonomy, and civil liberties in the AI era

03

Legal Frameworks and AI Regulation

DEFINING “ARTIFICIAL INTELLIGENCE” IN LEGAL TERMS

- How laws define and regulate AI

NATIONAL AND INTERNATIONAL REGULATORY FRAMEWORKS

- Comparing AI governance across countries

CORPORATE AI GOVERNANCE

- How businesses are creating internal AI policies

PRIVACY AND CIVIL LIBERTIES

- Laws governing the use of AI in surveillance and data privacy

04

AI Transparency: Explainability and Interpretability

THE CHALLENGE OF EXPLAINABILITY IN AI

- Why some AI models are difficult to explain

PUBLIC TRUST IN AI TECHNOLOGIES

- How transparency impacts trust in AI systems

BALANCING TRANSPARENCY AND COMPLEXITY

- Addressing the trade-offs in AI development

INTERPRETABILITY IN HIGH-STAKES ENVIRONMENTS

- Ensuring AI decisions are understandable in critical areas like healthcare and law

05

AI and Civil Liberties

AI AND FREE SPEECH

- Combatting misinformation and defending against propaganda

GOVERNMENT SURVEILLANCE

- Balancing security and privacy in the AI era

CIVIL LIBERTIES AND AI REGULATION

- Protecting free speech, privacy, and autonomy through law

AI IN DEMOCRACY

- AI's role in influencing elections, public opinion, and governance

06

AI Accountability and Governance

ACCOUNTABILITY MECHANISMS IN AI

- Ensuring AI developers and systems are held responsible

ETHICAL AI GOVERNANCE

- Best practices for creating ethical AI policies

MONITORING AI SYSTEMS

- Tools and methods for tracking and auditing AI performance

GLOBAL APPROACHES TO AI GOVERNANCE

- How different nations address AI accountability

07

AI, Bias, and Discrimination

ADDRESSING BIAS IN AI SYSTEMS

- Understanding how bias is introduced and how to mitigate it

INVIDIOUS DISCRIMINATION IN AI

- Legal and ethical implications of biased AI

PROMOTING INCLUSION AND EQUALITY

- How AI can support or harm social equity

PREVENTING ALGORITHMIC DISCRIMINATION

- Case studies on AI bias in hiring, lending, and more

08

AI's Role in Global Sustainability

AI FOR ENVIRONMENTAL PROTECTION

- Applications of AI in combating climate change and environmental degradation

AI FOR SOCIAL AND ECONOMIC EQUALITY

- How AI can be used to promote equitable distribution of resources

SUSTAINABLE AI DEVELOPMENT

- Ethical considerations for creating AI that supports long-term sustainability

AI IN THE DEVELOPING WORLD

- Addressing ethical concerns and opportunities in using AI for global development

09

Case Studies on AI Ethical Dilemmas

AI IN HEALTHCARE

- Ethical challenges in AI-powered diagnostics and treatment

AI IN AUTONOMOUS VEHICLES

- Legal and moral dilemmas in self-driving technology

AI IN SURVEILLANCE TECHNOLOGIES

- Balancing security with privacy in facial recognition and tracking technologies

AI IN MILITARY AND DEFENCE

- Exploring ethical concerns in AI for warfare and defence systems

10

AI Ethics and Law: The Path Forward

EMERGING TRENDS IN AI ETHICS AND LEGAL POLICY

- New directions in regulating and governing AI

FUTURE OF AI REGULATION

- Debating national vs. global approaches to AI laws

PREPARING FOR ARTIFICIAL GENERAL INTELLIGENCE

- Legal and ethical considerations for the future

THE ROLE OF INTERNATIONAL ORGANIZATIONS IN AI ETHICS

- How global bodies can help shape AI policy

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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