Privacy in the Metaverse and Web3

Professional Development Training Course Outline

Category	Data Security	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

As we transition into an increasingly decentralized digital era, privacy is no longer just a legal concern—it is a strategic imperative. The convergence of the Metaverse and Web3 technologies demands a nuanced understanding of data protection, identity security, blockchain privacy, and decentralized governance. With real-time interactions, persistent digital identities, and interoperable assets becoming the norm, it is vital for professionals, developers, and organizations to understand the risks and strategies associated with privacy in virtual environments.

Training Course on Privacy in the Metaverse and Web3 on Privacy in the Metaverse and Web3 equips learners with the latest tools, policies, and technologies to protect personal and corporate information across immersive digital platforms. By covering zero-knowledge proofs, decentralized identifiers (DIDs), smart contract security, and privacy regulations, the course empowers stakeholders to make informed decisions that uphold user trust, regulatory compliance, and ethical responsibility in the digital frontier.

Programme Curriculum

Training Course on Privacy in the Metaverse and Web3

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responsibility in the digital frontier.

Course Objectives

1. Understand the fundamentals of privacy in decentralized systems.
2. Analyze data protection laws applicable in virtual and blockchain environments.
3. Examine the role of zero-knowledge proofs in privacy preservation.
4. Implement decentralized identity systems (DIDs) for user security.
5. Identify privacy vulnerabilities in smart contracts.
6. Evaluate GDPR compliance within the Metaverse.
7. Explore anonymity vs. traceability in Web3 spaces.
8. Investigate cross-border data transfer challenges in virtual worlds.
9. Design privacy-first user experiences in immersive applications.
10. Leverage blockchain encryption for secure transactions.
11. Analyze case studies on data breaches in Metaverse platforms.
12. Develop organizational privacy governance strategies for Web3.
13. Promote digital ethics and responsible innovation.

Target Audience

1. Data Privacy Officers
2. Blockchain Developers
3. Cybersecurity Professionals
4. Legal & Compliance Experts
5. Web3 Product Managers
6. Virtual Reality Designers
7. IT Policy Makers
8. Tech Entrepreneurs and Innovators

Course Duration: 5 days

Course Modules

Module 1: Introduction to Metaverse and Web3 Privacy

- Definition of the Metaverse and Web3 ecosystems
- Key privacy differences between Web2 and Web3
- Role of decentralization in privacy models
- Data ownership and digital sovereignty
- Ethical implications of persistent virtual identity
- **Case Study**: Facebook Horizon vs. Decentraland Privacy Policies

Module 2: Blockchain Fundamentals and Privacy Mechanics

- Public vs. private blockchains: privacy concerns
- Encryption techniques and hashing
- Role of consensus mechanisms in privacy
- Transactional transparency vs. confidentiality
- Overview of Zero-Knowledge Proofs (ZKPs)
- **Case Study**: Zcash and Privacy-Enhanced Cryptocurrency Use

Module 3: Decentralized Identity (DID) and Digital Footprints

- Introduction to Decentralized Identifiers (DIDs)
- Verifiable credentials and trust frameworks

- Reducing data trails in immersive worlds
- DID vs. traditional identity systems
- Role of Self-Sovereign Identity (SSI) in Web3
- **Case Study**: Microsoft ION's DID System Integration

Module 4: Smart Contracts and Privacy Vulnerabilities

- Understanding how smart contracts operate
- Common privacy breaches in smart contracts
- Audit and verification best practices
- Use of privacy-preserving computation
- Role of oracles in privacy assurance
- **Case Study**: DAO Hack and the Repercussions on Smart Contract Design

Module 5: Legal Compliance and Data Protection in the Metaverse

- Overview of global data privacy laws (GDPR, CCPA, etc.)
- Cross-border data flow regulations
- Jurisdictional complexities in virtual spaces
- Data subject rights in decentralized environments
- Privacy by design and by default principles
- **Case Study**: GDPR Application in the Somnium Space VR Platform

Module 6: Privacy Tools and Technologies in Web3

- Decentralized VPNs and encrypted messaging
- Use of privacy coins and mixers
- Decentralized storage with privacy control
- Role of zk-SNARKs and zk-STARKs
- Privacy-enhancing technologies (PETs) in dApps
- **Case Study**: Tornado Cash and Regulatory Challenges

Module 7: Organizational Privacy Governance in Web3

- Designing privacy policies for decentralized platforms
- Managing privacy risk assessments
- Internal training and audits for Web3 privacy
- Integrating compliance into development pipelines
- Establishing trust through transparency reports
- **Case Study**: Privacy Governance in ConsenSys and MetaMask

Module 8: Ethics, Surveillance, and the Future of Privacy

- Surveillance capitalism in the Metaverse
- AI and facial recognition in VR/AR spaces
- Philosophical debates: anonymity vs. accountability
- User consent and privacy nudging
- Building trust in evolving digital ecosystems
- **Case Study**: Apple Vision Pro and User Data Ethics in Immersive Interfaces

Training Methodology

- Instructor-led sessions with real-world industry examples
- Interactive workshops for hands-on experience with privacy tools
- Group case study analysis for practical learning
- Assessments & quizzes to evaluate understanding

- Guest expert webinars on Metaverse law and cybersecurity
- Downloadable resources for continued learning

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	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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