AI for Digital Preservation Training Course

Professional Development Training Course Outline

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

Course Introduction

Digital preservation has become a strategic priority for governments, museums, archives, libraries, universities, cultural institutions, and private organizations seeking to protect valuable digital assets for future generations. Artificial Intelligence (AI) is transforming digital preservation through intelligent automation, predictive analytics, machine learning, computer vision, natural language processing, metadata enrichment, digital restoration, automated classification, and long-term digital archiving. AI-powered preservation solutions improve accessibility, strengthen cybersecurity, enhance digital governance, optimize data integrity, and support sustainable knowledge management while ensuring compliance with international preservation standards.

AI for Digital Preservation Training Course equips participants with practical knowledge and modern AI-driven preservation techniques used to safeguard digital records, historical collections, multimedia archives, research repositories, and institutional knowledge. Participants will explore AI applications for document digitization, image restoration, intelligent metadata generation, digital asset management, automated quality assurance, cloud preservation strategies, and ethical AI governance while examining international best practices and successful digital preservation initiatives.

Programme Curriculum

AI for Digital Preservation Training Course

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Course Objectives

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

1. Understand AI applications in digital preservation.
2. Implement intelligent digital archiving strategies.
3. Apply machine learning for metadata enhancement.
4. Utilize AI for document and image restoration.
5. Automate digital asset classification and indexing.
6. Improve digital repository management using AI.
7. Strengthen cybersecurity for preserved digital assets.
8. Apply predictive analytics for preservation planning.
9. Integrate cloud-based AI preservation technologies.
10. Ensure compliance with international preservation standards.
11. Develop AI-enabled digital preservation policies.
12. Evaluate ethical and legal issues in AI preservation.
13. Design sustainable AI-powered preservation frameworks.

Organizational Benefits

- Improved preservation efficiency through AI automation.
- Enhanced accessibility of digital collections.
- Faster document indexing and retrieval.
- Reduced operational costs.
- Improved metadata quality and consistency.
- Better protection against digital data loss.
- Increased compliance with preservation standards.
- Enhanced institutional knowledge management.
- Improved decision-making through AI analytics.
- Future-ready digital preservation capabilities.

Target Audience

- Archivists
- Librarians
- Museum Professionals
- Records Managers

- IT Professionals
- Information Managers
- Government Officials
- Researchers and Academics

Course Duration: 5 days

Course Modules

Module 1: Foundations of AI in Digital Preservation

- Introduction to AI technologies
- Principles of digital preservation
- AI applications in cultural heritage
- Digital preservation lifecycle
- Emerging preservation technologies
- Global Case Study: AI adoption at the National Archives and Records Administration

Module 2: AI-Powered Digitization and Metadata

- Intelligent document digitization
- Automated metadata generation
- Optical Character Recognition (OCR)
- Natural Language Processing applications
- Metadata quality improvement
- Global Case Study: AI-enabled digitization at Europeana

Module 3: Machine Learning for Digital Collections

- Machine learning fundamentals
- Intelligent classification systems
- Digital content indexing
- Pattern recognition techniques
- Predictive preservation analytics
- Global Case Study: AI collection management at The British Library

Module 4: AI-Based Digital Restoration

- Image restoration techniques
- Audio enhancement technologies
- Video restoration using AI
- Damage detection algorithms
- Quality assurance automation

- Global Case Study: Digital restoration initiatives at Library of Congress

Module 5: Cloud and Intelligent Repository Management

- Cloud preservation platforms
- AI-enabled repository management
- Digital asset lifecycle management
- Intelligent search optimization
- Backup and disaster recovery
- Global Case Study: Cloud preservation at UNESCO

Module 6: Cybersecurity and AI Governance

- Digital preservation security
- AI governance frameworks
- Privacy and compliance
- Ethical AI practices
- Risk management strategies
- Global Case Study: Trusted digital preservation frameworks at International Council on Archives

Module 7: AI Strategy and Innovation

- AI implementation roadmap
- Digital transformation strategies
- Innovation management
- Performance measurement
- Future AI trends
- Global Case Study: AI innovation at Smithsonian Institution

Module 8: Practical AI Preservation Project

- AI project planning
- Preservation workflow design
- Repository optimization
- AI solution evaluation
- Project presentations
- Global Case Study: Digital preservation practices at Internet Archive

Training Methodology

- Interactive expert-led lectures

- Guided demonstrations of AI preservation tools
- Practical laboratory exercises
- Hands-on digital preservation workshops
- Individual and group assignments
- Group discussions and peer learning
- International case study analysis
- Digital repository simulations
- AI software demonstrations
- Course assessment and participant feedback

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

Start Date	End Date	Location	Price
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

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com