AI for Cataloguing 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

Artificial Intelligence (AI) is transforming cataloguing processes by improving metadata creation, automated classification, semantic indexing, digital asset management, knowledge organization, and information retrieval across libraries, archives, museums, government agencies, and corporate information centers. AI-powered cataloguing solutions utilize machine learning, natural language processing (NLP), computer vision, intelligent automation, predictive analytics, and metadata enrichment to accelerate cataloguing workflows while enhancing consistency, discoverability, interoperability, and compliance with international cataloguing standards.

AI for Cataloguing Training Course equips participants with practical skills to implement AI-driven cataloguing systems that enhance digital transformation initiatives. The course explores automated metadata generation, authority control, ontology development, linked data, AI-assisted classification, quality assurance, ethical AI governance, and emerging technologies supporting intelligent cataloguing. Participants will gain practical knowledge through real-world applications and global case studies to improve cataloguing efficiency, data quality, and organizational knowledge management.

Programme Curriculum

AI for Cataloguing Training Course

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Course Objectives

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

1. Understand AI applications in modern cataloguing.
2. Apply machine learning for automated metadata creation.
3. Implement AI-powered classification and indexing techniques.
4. Improve metadata quality using intelligent automation.
5. Utilize Natural Language Processing for subject analysis.
6. Integrate linked data into cataloguing workflows.
7. Strengthen authority control using AI technologies.
8. Optimize digital asset management through AI solutions.
9. Apply international cataloguing standards with AI support.
10. Evaluate AI ethics, governance, and data privacy requirements.
11. Design AI-enabled cataloguing workflows.
12. Monitor AI performance using data analytics.
13. Develop AI implementation strategies for cataloguing projects.

Organizational Benefits

- Improved cataloguing productivity.
- Faster metadata generation.
- Enhanced search and information retrieval.
- Better data consistency and accuracy.
- Reduced manual cataloguing workload.
- Improved digital collection management.
- Increased interoperability across systems.
- Better compliance with cataloguing standards.
- Enhanced knowledge discovery.
- Stronger digital transformation capabilities.

Target Audiences

- Librarians
- Archivists
- Museum Documentation Officers
- Records Managers
- Knowledge Management Professionals
- Digital Repository Managers

- Information Scientists
- ICT and Digital Transformation Officers

Course Duration: 5 days

Course Modules

Module 1: Introduction to AI for Cataloguing

- AI fundamentals in cataloguing
- Digital transformation strategies
- AI technologies for libraries and archives
- AI ecosystem and architecture
- Emerging cataloguing innovations
- Case Study: AI implementation at the Library of Congress

Module 2: Automated Metadata Creation

- Metadata standards
- AI metadata extraction
- Intelligent metadata enrichment
- Automated tagging techniques
- Metadata quality management
- Case Study: Europeana automated metadata project

Module 3: Machine Learning for Classification

- Machine learning fundamentals
- Automated subject classification
- Predictive cataloguing models
- Intelligent indexing systems
- Classification accuracy improvement
- Case Study: OCLC AI classification initiatives

Module 4: Natural Language Processing in Cataloguing

- NLP fundamentals
- Text mining applications
- Named entity recognition
- Semantic indexing
- Language processing automation
- Case Study: British Library NLP implementation

Module 5: Linked Data and Authority Control

- Linked data concepts
- Authority file management
- Knowledge graphs
- Entity resolution
- Data interoperability
- Case Study: VIAF global authority control

Module 6: AI Governance and Ethics

- Ethical AI principles
- Data privacy regulations
- Bias detection
- AI transparency
- Risk management
- Case Study: UNESCO AI Ethics Framework

Module 7: AI Implementation and Performance

- AI project planning
- Workflow automation
- Performance measurement
- Change management
- Continuous improvement
- Case Study: National Library of Singapore AI transformation

Module 8: Future Trends in AI Cataloguing

- Generative AI applications
- Intelligent digital repositories
- AI-powered knowledge discovery
- Future cataloguing technologies
- Innovation roadmap
- Case Study: Google AI for Knowledge Graph development

Training Methodology

- Interactive expert-led presentations
- Practical demonstrations
- Hands-on AI cataloguing exercises

- Group discussions and collaborative learning
- Software simulations
- Global case study analysis
- Individual practical assignments
- Knowledge assessments
- Action planning sessions
- Question and answer sessions

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

Start Date	End Date	Location	Price
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

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