Generative AI in Library Services 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

Generative AI is transforming modern library services through intelligent automation, knowledge discovery, digital preservation, personalized learning, metadata generation, research assistance, and enhanced user engagement. Libraries are increasingly adopting AI-powered technologies such as Large Language Models (LLMs), Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), semantic search, AI chatbots, and automated cataloging to improve operational efficiency while expanding access to quality information. These innovations enable librarians to deliver smarter, faster, and more inclusive services across academic, public, research, and special libraries.

Generative AI in Library Services Training Course equips participants with practical knowledge and emerging best practices for integrating AI into library workflows while maintaining ethical standards, data privacy, copyright compliance, and information integrity. Participants will explore AI-driven content creation, digital repositories, research support, knowledge management, and strategic implementation through global case studies that demonstrate successful AI adoption across leading libraries.

Programme Curriculum

Generative AI in Library Services Training Course

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Course Objectives

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

1. Understand Generative AI concepts and library applications.
2. Apply AI tools for cataloging and metadata generation.
3. Improve digital knowledge management using AI.
4. Develop AI-assisted research support services.
5. Enhance user engagement through intelligent virtual assistants.
6. Implement AI-powered information retrieval systems.
7. Evaluate ethical and legal considerations in AI adoption.
8. Design AI-enabled digital library strategies.
9. Utilize prompt engineering for library workflows.
10. Strengthen digital preservation using AI technologies.
11. Integrate AI into academic and public library services.
12. Measure AI performance using data analytics.
13. Develop sustainable AI implementation roadmaps.

Organizational Benefits

- Improved operational efficiency.
- Faster information retrieval.
- Enhanced user satisfaction.
- Automated metadata creation.
- Better research support services.
- Increased staff productivity.
- Improved digital resource management.
- Stronger innovation capabilities.
- Enhanced decision-making through AI analytics.
- Future-ready library services.

Target Audiences

- Librarians
- Library Directors
- Information Managers
- Knowledge Management Professionals
- Archivists
- Academic Researchers
- Digital Repository Managers

- ICT Professionals Supporting Libraries

Course Duration: 5 days

Course Modules

Module 1: Introduction to Generative AI for Libraries

- Fundamentals of Generative AI.
- AI technologies transforming libraries.
- Large Language Models and NLP.
- AI opportunities and limitations.
- Future trends in smart libraries.
- Case Study: AI implementation at the National Library Board Singapore.

Module 2: AI-Powered Cataloging and Metadata

- Automated metadata creation.
- Intelligent classification systems.
- AI-assisted indexing.
- Semantic tagging techniques.
- Metadata quality assurance.
- Case Study: OCLC AI metadata innovation.

Module 3: AI for Research and Reference Services

- AI virtual reference assistants.
- Intelligent literature searches.
- AI-generated research summaries.
- Personalized information services.
- Prompt engineering for librarians.
- Case Study: University of Cambridge Library AI initiatives.

Module 4: Digital Libraries and Knowledge Management

- AI-enhanced digital repositories.
- Intelligent document organization.
- Knowledge discovery tools.
- Content recommendation systems.
- AI for institutional repositories.
- Case Study: Europeana digital heritage platform.

Module 5: Ethics, Privacy and Responsible AI

- AI governance principles.
- Copyright and intellectual property.
- Data privacy regulations.
- Bias detection and mitigation.
- Responsible AI implementation.
- Case Study: UNESCO AI Ethics Framework in information services.

Module 6: AI for User Engagement

- AI chatbots for patrons.
- Personalized learning experiences.
- Multilingual information services.
- Accessibility through AI.
- User experience optimization.
- Case Study: New York Public Library digital engagement initiatives.

Module 7: AI Strategy and Implementation

- AI readiness assessment.
- Digital transformation planning.
- Change management.
- Staff capacity development.
- AI project evaluation.
- Case Study: British Library digital innovation strategy.

Module 8: Future of AI in Library Services

- Emerging AI innovations.
- Generative AI governance.
- AI risk management.
- Measuring AI impact.
- Developing AI roadmaps.
- Case Study: Library of Congress AI modernization initiatives.

Training Methodology

- Interactive expert-led presentations.
- Practical demonstrations of AI platforms.
- Guided hands-on laboratory sessions.

- Group discussions and collaborative learning.
- Individual and team-based practical exercises.
- Real-world global case study analysis.
- AI prompt development workshops.
- Knowledge assessments and quizzes.
- Action planning for workplace implementation.
- Question-and-answer sessions with facilitators.

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

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