Library Automation Systems 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

Modern Library Automation Systems are transforming information management through digital transformation, integrated library management systems (ILMS), cloud computing, artificial intelligence, metadata management, RFID technology, digital repositories, knowledge management, cybersecurity, and data analytics. Libraries across academic, corporate, government, and public sectors are increasingly adopting automated solutions to improve cataloging, circulation, acquisitions, serials control, electronic resource management, and user experience. Library Automation Systems Training Course equips participants with practical skills to implement, manage, secure, and optimize automated library environments while supporting innovation, digital accessibility, and operational excellence.

The training emphasizes international best practices, emerging technologies, and strategic library management using industry-leading automation platforms. Participants will gain practical knowledge in system implementation, database administration, cloud-based library services, digital preservation, information security, interoperability standards, reporting dashboards, and performance optimization. Through practical exercises and global case studies, learners will strengthen their ability to manage modern digital libraries, improve service delivery, and support organizational knowledge-sharing initiatives.

Programme Curriculum

Library Automation Systems Training Course

Introduction

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Course Objectives

Upon completion of this course, participants will be able to:

1. Understand modern Library Automation Systems and digital transformation.
2. Implement Integrated Library Management Systems (ILMS).
3. Configure cataloging and metadata management solutions.
4. Optimize circulation and patron management services.
5. Apply RFID and barcode technologies for library operations.
6. Manage digital repositories and electronic resources.
7. Strengthen cybersecurity and information governance.
8. Improve database administration and system performance.
9. Utilize cloud-based library automation platforms.
10. Generate analytics and performance dashboards.
11. Ensure interoperability using international library standards.
12. Develop sustainable library automation strategies.
13. Evaluate emerging technologies including Artificial Intelligence for libraries.

Organizational Benefits

- Improved operational efficiency.
- Faster information retrieval.
- Enhanced user satisfaction.
- Reduced manual workload.
- Better data accuracy.
- Stronger information security.
- Improved resource utilization.
- Enhanced decision-making through analytics.
- Increased digital service delivery.
- Sustainable library modernization.

Target Audiences

- Librarians.
- Library Managers.
- Information Management Officers.

- ICT Professionals.
- Archivists.
- Knowledge Management Specialists.
- Academic Institution Administrators.
- Government Information Officers.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Library Automation

- Evolution of library automation systems.
- Components of Integrated Library Management Systems.
- Digital transformation strategies.
- Automation planning principles.
- Emerging library technologies.
- Case Study: National Library Board Singapore digital transformation.

Module 2: Cataloging and Metadata Management

- MARC21 standards.
- Metadata creation and maintenance.
- Authority control techniques.
- Classification systems.
- Bibliographic database management.
- Case Study: Library of Congress metadata modernization.

Module 3: Circulation and Patron Services

- Automated circulation workflows.
- Membership management.
- Self-service technologies.
- Fine and reservation management.
- User experience optimization.
- Case Study: Helsinki Central Library automated services.

Module 4: Digital Libraries and Electronic Resources

- Digital repository management.
- Electronic resource integration.
- Institutional repositories.
- Digital preservation techniques.

- Open access platforms.
- Case Study: Harvard Library digital repository implementation.

Module 5: RFID, Cloud Computing and Security

- RFID-enabled library operations.
- Barcode technologies.
- Cloud-based automation platforms.
- Cybersecurity controls.
- Disaster recovery planning.
- Case Study: Singapore smart library RFID deployment.

Module 6: Database Administration and Analytics

- Library database management.
- Data quality assurance.
- Dashboard development.
- Performance reporting.
- Business intelligence applications.
- Case Study: University of Melbourne library analytics.

Module 7: System Integration and Standards

- System interoperability.
- Z39.50 and API integration.
- Data migration techniques.
- Vendor evaluation.
- System performance optimization.
- Case Study: OCLC WorldCat integration project.

Module 8: Future Trends and Strategic Implementation

- Artificial Intelligence applications.
- Machine learning in libraries.
- Automation project management.
- Change management.
- Continuous improvement strategies.
- Case Study: Qatar National Library digital innovation.

Training Methodology

- Interactive expert-led presentations.
- Practical system demonstrations.
- Hands-on laboratory exercises.
- Guided software configuration sessions.
- Group discussions and collaborative learning.
- Individual practical assignments.
- Global case study analysis.
- Problem-solving workshops.
- Knowledge assessments and feedback.
- Action planning for workplace implementation.

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