Information Technology for Library Organization & Management

6 – 10 December 2026
Dubai (UAE)

UK Traininig
PARTNER



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Why This Course

In today's digital era, libraries are evolving into dynamic knowledge hubs that leverage technology to enhance services and user experiences. This intensive 1-week program equips library professionals with the skills to implement IT solutions, automate workflows, harness data analytics, and explore emerging technologies. Through a mix of practical exercises, case studies, and hands-on learning, participants will gain the expertise needed to modernize library operations and deliver innovative services.

What You'll Learn and Practice

By attending this course, you will be able to:

- Understand the transformative role of IT in modern library management.
- Implement digital resource management and discovery systems.
- Automate key library processes to increase efficiency and accuracy.
- Use data analytics to drive informed decisions and improve services.
- Explore emerging technologies, such as AI, IoT, AR/VR, and blockchain, and their application in libraries.

The Program Flow

Day 1: Foundations of Library IT

- Overview of IT applications in modern libraries
- Digital resource management systems and platforms
- Fundamentals of library automation
- IT infrastructure requirements for library operations

Day 2: Digital Collections and Discovery

- Developing and managing digital collections
- Metadata standards and best practices
- Discovery layers and search optimization techniques
- Enhancing user experience in digital environments



Day 3: Library Process Automation

- Integrated Library Systems ILS overview
- Automating circulation and patron management
- Streamlining acquisitions and cataloging workflows
- Implementing resource sharing and interlibrary loan systems

Day 4: Data Analytics and Decision Support

- Library data collection and management methods
- Analytical tools for monitoring library performance
- Data visualization techniques for reporting and insights
- Evidence-based approaches for strategic decision-making

Day 5: Emerging Technologies in Libraries

- Applications of artificial intelligence and machine learning
- IoT-enabled library spaces for enhanced services
- Virtual and augmented reality in library programs
- Blockchain for secure and efficient library management

Individual Impact

Participants will leave this program with:

- A strategic plan for implementing IT in their library.
- A prototype for a user-friendly digital discovery interface.
- Automated workflows for key library operations.
- Data-driven reports to support decision-making and service improvement.

Organizational Impact

Libraries and institutions will benefit from:

- Streamlined and efficient library processes.
- Improved access to digital resources and enhanced user experience.
- Better-informed decisions through actionable data insights.
- The ability to adopt innovative technologies that future-proof library services.



Training Methodology

- Interactive lectures and practical exercises
- Hands-on workshops with real library systems and tools
- Case studies highlighting successful IT integration in libraries
- Group activities to design workflows and digital interfaces

Beyond the Course

By the end of this 1-week program, participants will be ready to:

- Implement IT solutions that transform library operations.
- Automate routine processes for greater efficiency and accuracy.
- Leverage data analytics to drive continuous improvement.
- Integrate emerging technologies to enhance library services and user engagement.

