



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Artificial Intelligence (AI) in Digital Libraries and Information Services in the 5th Industrial Revolution

Custom Courses / Information Technology (IT) and Digital Skills

Unit Standard AATICD-0373 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips library and information science professionals with the knowledge and skills to integrate artificial intelligence (AI) technologies into digital library services. Participants will explore AI applications, ethical considerations, and strategic implementation, enabling them to enhance user experiences and operational efficiency in the 5th Industrial Revolution.

Category	Custom Courses
Subfield	Information Technology (IT) and Digital Skills
Unit Standard	AATICD-0373
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	On-Campus
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply AI concepts and techniques to enhance digital library services and information management.
- Analyze the impact of AI on information access, retrieval, and user experience in digital libraries.
- Evaluate ethical, legal, and social implications of AI in library and information services.
- Design an AI-driven strategy for a digital library or information service.
- Implement AI tools and technologies to automate routine tasks and improve efficiency.
- Demonstrate the ability to critically assess AI applications and their alignment with library goals.

WHO SHOULD ATTEND

- This course is designed for librarians, information specialists, archivists, records managers, and other professionals working in digital library or information service environments who wish to leverage AI to improve service delivery and stay ahead in the digital era.

COURSE OUTLINE

Day 1: Foundations of AI and the 5th Industrial Revolution in Libraries

- Introduction to the 5th Industrial Revolution: human-centric AI, sustainability, and collaboration.
- Overview of AI: definitions, history, and current state.
- AI technologies: machine learning, natural language processing, computer vision, and robotics.
- AI applications in digital libraries: metadata enrichment, search, and recommendation systems.
- Ethical frameworks: bias, fairness, privacy, and transparency.
- Legal aspects: copyright, data protection (POPIA), and intellectual property.
- The changing role of librarians and information specialists.
- Case studies of AI implementation in libraries globally.

Day 2: AI-Powered Tools and Techniques for Library Services

- AI for cataloguing and classification: auto-tagging, subject indexing.
- NLP for semantic search, entity recognition, and text summarisation.
- Chatbots and virtual assistants for user support.
- Computer vision in digitisation: OCR, handwriting recognition, image and video analysis.
- Personalisation and recommender systems in library platforms.
- AI for user analytics: usage patterns, predictive analytics.
- AI-powered accessibility tools for diverse user needs.
- Practical demonstration of AI tools (e.g., OpenAI, Hugging Face, OCR software).

Day 3: Strategic Integration and Future Directions

- Strategic planning for AI integration: needs assessment, cost-benefit analysis.
- Project management for AI initiatives: team, timeline, budgeting.
- Data governance and quality for AI readiness.
- Evaluation frameworks: metrics, testing, and user feedback.
- Generative AI (e.g., ChatGPT) in library services: opportunities and challenges.
- Knowledge graphs and linked data for intelligent retrieval.
- Building a culture of AI literacy among staff and users.
- Future trends: AI and the 5IR, lifelong learning, and sustainable development.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 13,900.00	R 13,900.00
1	In-House	R 18,700.00	R 18,700.00
1	On-Campus (Pretoria)	R 20,800.00	R 20,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
20 Oct 2026	22 Oct 2026	Online	—
28 Oct 2026	30 Oct 2026	In-House	—
02 Nov 2026	04 Nov 2026	On-Campus	Shenzhen, China
08 Dec 2026	10 Dec 2026	Online	—
16 Dec 2026	18 Dec 2026	In-House	—
21 Dec 2026	23 Dec 2026	On-Campus	Shenzhen, China
29 Dec 2026	31 Dec 2026	Online	—
06 Jan 2027	08 Jan 2027	In-House	—

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0373) and click **Get A Quote / Apply**. Select your training method and number of delegates — your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za — our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically — the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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