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# Artificial Intelligence Literacy Framework for Libraries: A Competency-Based Approach

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## Abstract

Artificial Intelligence (AI) is rapidly reshaping higher education and information ecosystems. Academic libraries, as key facilitators of knowledge access, face the challenge of equipping staff and patrons with AI literacy to ensure responsible and effective adoption. This paper synthesizes recent frameworks [5] - [8], examines library-specific AI readiness studies [1] - [4], [9]-[12], and proposes a competency-based AI Literacy Framework tailored for libraries. The framework highlights five dimensions - knowledge, skills, ethics and policy, metacognition, and community service - supported by tiered competency levels (novice, practitioner, leader). The contribution lies in contextualizing AI literacy for librarianship, offering both theoretical grounding and practical pathways for implementation. © 2025 IEEE.

## Author keywords

artificial intelligence literacy; competency framework; libraries; reskilling

## Indexed keywords

### Engineering controlled terms

Artificial intelligence

### Engineering uncontrolled terms

Academic libraries; Artificial intelligence literacy; Community services; Competency framework; High educations; Information ecosystems; Metacognition; Reskilling

### Engineering main heading

Libraries

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