

Libraries and Information Institutions and Their Everlasting Role in the Age of Artificial Intelligence

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Information institutions of various types—including all categories of libraries, especially public libraries, as well as museums, information centers, and archives—have played a significant role throughout the years in preserving the heritage and history of nations. They provide low-cost services to all segments of society without discrimination and continue to fulfil a vital mission: spreading awareness and supporting community members with the knowledge and skills required for effective interaction, coexistence, and integration. They introduce people to new technologies and how to use them, while also fostering an appreciation for literature and art among all. In the era of artificial intelligence, there are loud calls for information institutions to keep pace with rapid technological developments and to harness these innovations in support of their mission to serve communities.

Indeed, information institutions have already advanced their performance by adopting many artificial intelligence applications to enhance their diverse services. For example, many museums now use augmented reality and virtual reality, powered by generative AI applications, to showcase their collections. These services help audiences understand and experience different historical periods

more deeply, appreciating their significance. Public libraries have organized numerous workshops and courses for various audiences, including seniors, children, and youth, to introduce them to such applications and teach them diverse programming languages. This helps participants stay current with technological advancements and prepares them for future job opportunities.

Libraries have also utilized AI applications to offer advanced and diverse services, such as creating their own promotional videos to attract more visitors and provide innovative, up-to-date services. Document and manuscript preservation institutions are also leveraging AI to support their collections, employing technologies such as X-ray imaging and tools that enhance content with augmented and virtual reality. This makes their holdings more accessible to the public via their websites. Thus, we can say that the role of information institutions in the age of artificial intelligence is to raise awareness of the treasures and varied information resources they contain, utilizing these technologies to deliver advanced, rapid, and contemporary services.

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