

**THE REPERCUSSIONS OF AI APPLICATIONS ON
LIBRARIES: AN OPPORTUNITY OR A THREAT?**

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Technological advancements facilitate and transform the lives of human beings' day by day. Artificial intelligence (AI) is one of the most important and rapidly developing areas of these technological advances. AI refers to the ability of computer systems to mimic human intelligence to perform complex tasks such as learning, problem solving and decision making.





- The basic idea is that man-made machines can succeed not only in tasks that require physical strength, but also in abilities that require human intelligence, such as reasoning, analytical thinking and problem solving. Libraries are one of the institutions that are heavily influenced by artificial intelligence applications, which are widely used in almost every field today. With the increasing application of artificial intelligence (AI) technologies in library services, there is a transformation in librarianship.



Advantages of this transformation include expectations of automating routine tasks, speeding up information retrieval processes, improving user experience, and easing workloads. On the other hand, concerns such as AI's relegation of the human factor in the background raises concerns that the role of librarians will change or that the need for a human-centered workforce in libraries will diminish. In addition, librarians' concerns about ethical and security issues, privacy of personal data, and risks of misinterpretation have accelerated efforts to integrate AI tools into library systems.

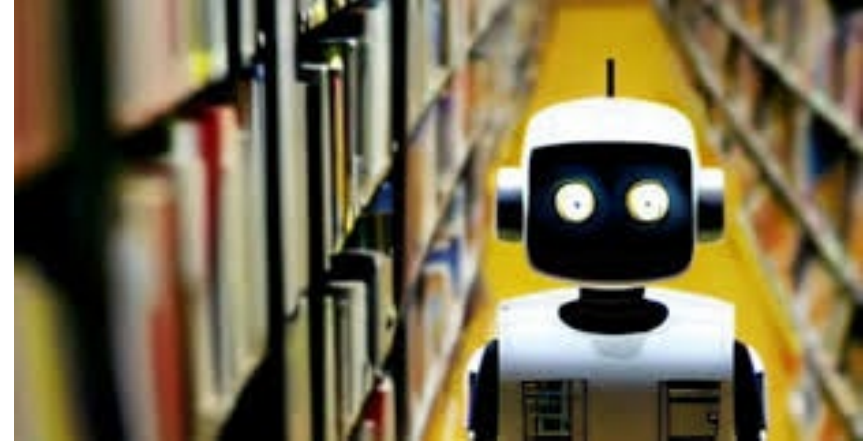




AI AND LIBRARIES

- This study examines the threats and opportunities arising from the use of artificial intelligence applications in libraries. In this context, the study will focus on the positive and negative effects of the use of these applications in libraries.
- It is unthinkable that artificial intelligence, one of the most important reflections of the information society, does not affect libraries as social institutions. Libraries are increasingly utilising AI technologies to manage and access information resources.

AI IN LIBRARIES



- AI-enabled systems have the potential to improve library services. For example, intelligent assistants and chatbots reduce the workload of library staff by accelerating user demand for library services by providing quick responses to user questions (Barsha & Munshi, 2024, p. 8). AI-based recommendation systems increase user satisfaction, while AI-supported cataloguing and classification systems reduce the workload of staff and create more accurate and consistent metadata (Arora et al., 2020, p. 7).

AI IN LIBRARIES

In addition to its positive contributions to library services, the use of AI tools in libraries brings challenges such as lack of technological infrastructure, staff skill shortages, and economic limitations (Owolabi et al., 2022, 298). It also leads to increased ethical and security issues such as bias, privacy violations and misinterpretations (Vasishta et al., 2024).





AI APPLICATIONS IN TURKISH PUBLIC LIBRARIES

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CONCLUSION

- The Ministry of Culture and Tourism in Turkey has introduced basic AI applications primarily for student users.
- However, there is much more that can be done in this respect.
- The ministry recently hosted a festival on the theme of libraries and Technologies and students and academics are encouraged to work in this area.
- AI poses several threats but we have to find ways to work with them rather than to overcome them.





THANK YOU

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