



Artificial Intelligence (AI) Tools for Library

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Abstract:

Today we are using AI in academics, research, learning. Library or Knowledge centres can use Artificial Intelligence for different purposes. Librarians play a crucial role in teaching and learning. AI tools can assist students and researchers. ResearchRabbit, Endnote are used in research. Librarians must be updated his / her knowledge of Artificial Intelligence.

Keywords: Artificial Intelligence, Research, Perplexity, Consensus.

Introduction:

AI is a field of computer science focused on creating smart machines that can perform tasks that typically require human intelligence, like learning, reasoning, and problem-solving. AI systems learn from vast amounts of data, identifying patterns to make predictions or decisions without being explicitly programmed for every scenario. Think of it as teaching a computer by showing it a million examples instead of writing a million rules. Today we are using AI every day in navigation apps like Google Maps, personalized recommendations on shopping sites, spam filters in your email, and virtual assistants like Gemini Live. AI is not a single technology, It includes **Machine Learning (ML), Deep Learning (DL) Natural Language Processing (NLP), Computer Vision.**

What is Artificial Intelligence (AI)?

Artificial intelligence (AI) is technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, creativity and autonomy. Applications and devices equipped with AI can

see and identify objects. They can understand and respond to human language. They can learn from new information and experience. They can make detailed recommendations to users and experts. They can act independently, replacing the need for human intelligence or intervention (a classic example being a self-driving car).

Artificial Intelligence (AI) in Library:

AI is reshaping how we access, process, and distribute information in academic and research libraries. AI is significantly changing the information landscape and the roles of librarians, requiring them to adapt to new technologies.

1. **Supporting Research and Learning:** AI tools can assist students and researchers by providing advanced search capabilities, recommending relevant resources, and even helping with data analysis.
2. **Promoting Digital Literacy:** Librarians play a crucial role in teaching students and faculty how to use AI tools effectively and ethically. This includes understanding AI's capabilities and limitations, as well as

addressing concerns about privacy and misinformation.

3. Developing Educational Resources:

Libraries can create and provide access to educational materials that help users understand and leverage AI technologies. This includes workshops, tutorials, and online resources.

4. **Ethical Considerations:** Librarians are also involved in discussions about the ethical use of AI in education. They help ensure that AI applications are used responsibly and that issues such as bias and data privacy are addressed.

AI Tools for Library:

Sr. No	AI Tool	Access on Web / Link
1.	ResearchRabbit	https://www.researchrabbit.ai/
2	Scite	https://scite.ai/
3	Cohesive	https://cohesive.ai/
4	Consensus	https://consensus.app/?home=true
5	Lateral	https://lateral.io/
6	Endnote	https://endnote.com/
7	Botsonic	https://botsonic.com/
8	QuickChat	https://quickchat.ai/
9	Copyscape	https://www.copyscape.com/
10	TileDesk	https://tiledesk.com/
11	Forthought	https://forethought.ai/
12	MEM	https://get.mem.ai/
13	Dante	https://www.dante-ai.com/
14	Andi	https://andisearch.com/
15	ChatPDF	https://www.chatpdf.com/
16	Perplexity	https://www.perplexity.ai/
17	AudioPen	https://audiopen.ai/
18	Flixier	https://flixier.com/
19	Quillbot	https://quillbot.com/about
20	Grammarly	https://www.grammarly.com/
21	SciSpace	https://scispace.com/
22	Glasp	https://glasp.co/
23	Copy.ai	https://www.copy.ai/
24	Canva AI	https://www.canva.in/
25	Crayon	https://www.crayon.com/en
26	anyword	https://www.anyword.com/
27	writesonic	https://writesonic.com/chat
28	Tableau	https://www.tableau.com/
29	Transkribus	https://www.transkribus.org/
30	NotebookLM	https://notebooklm.google.com/
31	Elicit	https://elicit.com/
32	Alma	https://knowledge.exlibrisgroup.com/Alma
33	ioMoVo	https://www.iomovo.io/ai-engine/metadata-tagging

How to use AI Tools?

1. **Define Your Goals:** Clearly outline what you want to achieve with AI. Whether it's improving productivity, enhancing creativity, or automating tasks, having a clear goal will guide your use of AI tools effectively.
2. **Provide Clear Prompts:** When interacting with AI, especially in text-based tools, provide detailed and specific prompts. This helps the AI understand your needs better and generate more accurate responses.
3. **Review and Edit Outputs:** Always review and edit the content generated by AI. While AI can produce high-quality outputs, human oversight ensures accuracy and relevance.
4. **Use AI as a Starting Point:** Treat AI-generated content as a draft or a starting point. You can then refine and build upon it to suit your specific requirements.
5. **Stay Updated:** AI technology is rapidly evolving. Keep yourself updated with the latest tools and features to leverage new capabilities and improvements.
6. **Experiment:** Don't be afraid to experiment with different AI tools and approaches.
7. **Ethical Considerations:** Be mindful of ethical issues such as data privacy, bias, and copyright when using AI. Ensure that your

use of AI aligns with ethical standards and legal requirements.

8. **Monitor Performance:** Regularly assess the performance of AI tools to ensure they are meeting your expectations. Adjust your strategies based on feedback and results.

Conclusion:

Use of AI in library is very essential. It is very helpful to research students and faculty members. Librarians have to arrange AI awareness programs for faculty and students. Library users will get hands on experience in the library. Libraries have to subscribe AI tools.

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