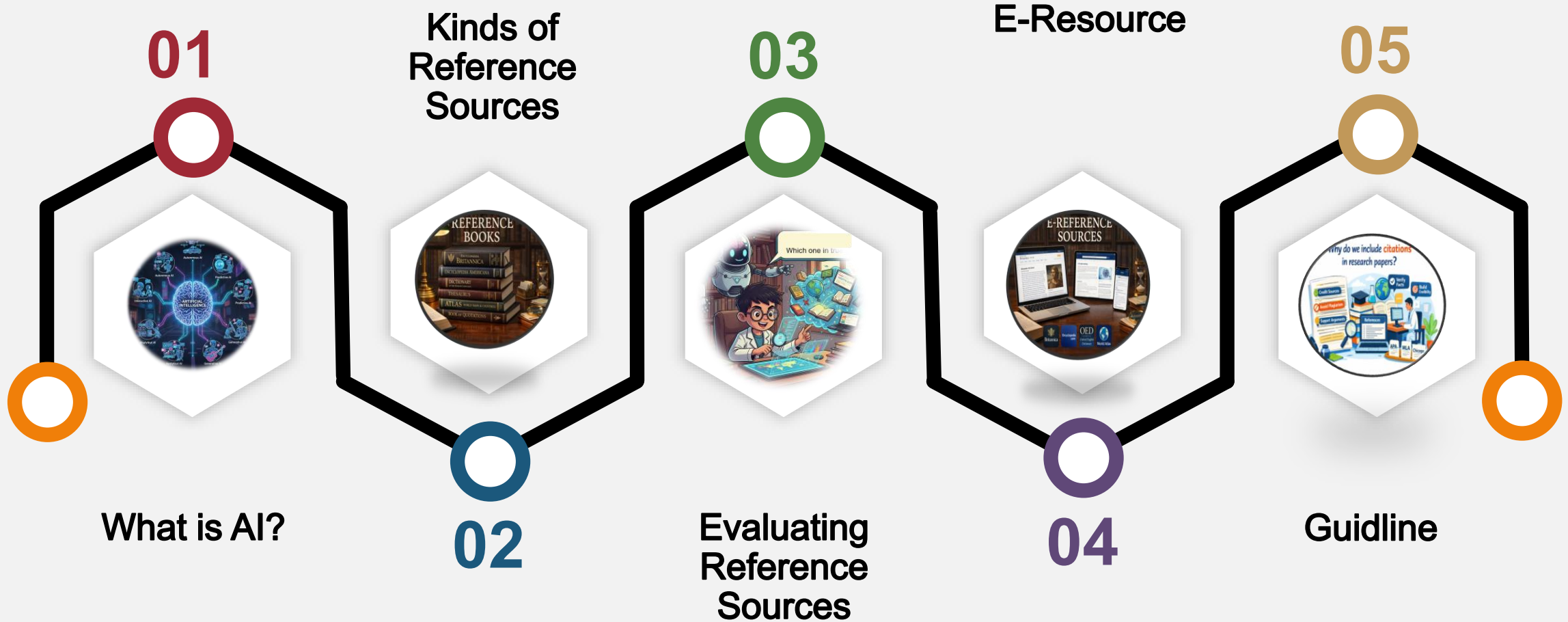


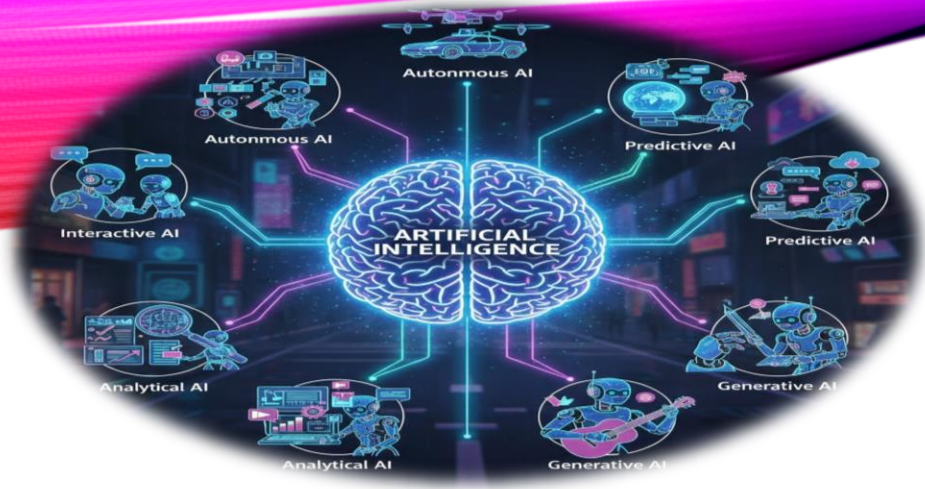
The Role of AI in Managing Research Resources



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University of Yangon*

The Role of AI in Managing Research Resources





- a technology that allows computers to
 - think
 - learn
 - solve the problems like human

- Scope of ability and the extent to which it can replicate human
 - Artificial Narrow Intelligence (ANI) or Weak AI
 - Artificial General Intelligence (AGI)
 - Artificial Super Intelligence (ASI)

GENERAL REFERENCE SOURCES

1

ENCYCLOPAEDIA

2

YEARBOOK/
ALMANAC

3

DICTIONARY

4

HANDBOOK/
MANUAL

5

DIRECTORY

6

BIOGRAPHICAL
DICTIONARY

7

ATLAS

8

GAZETTER

9

INDEX

10

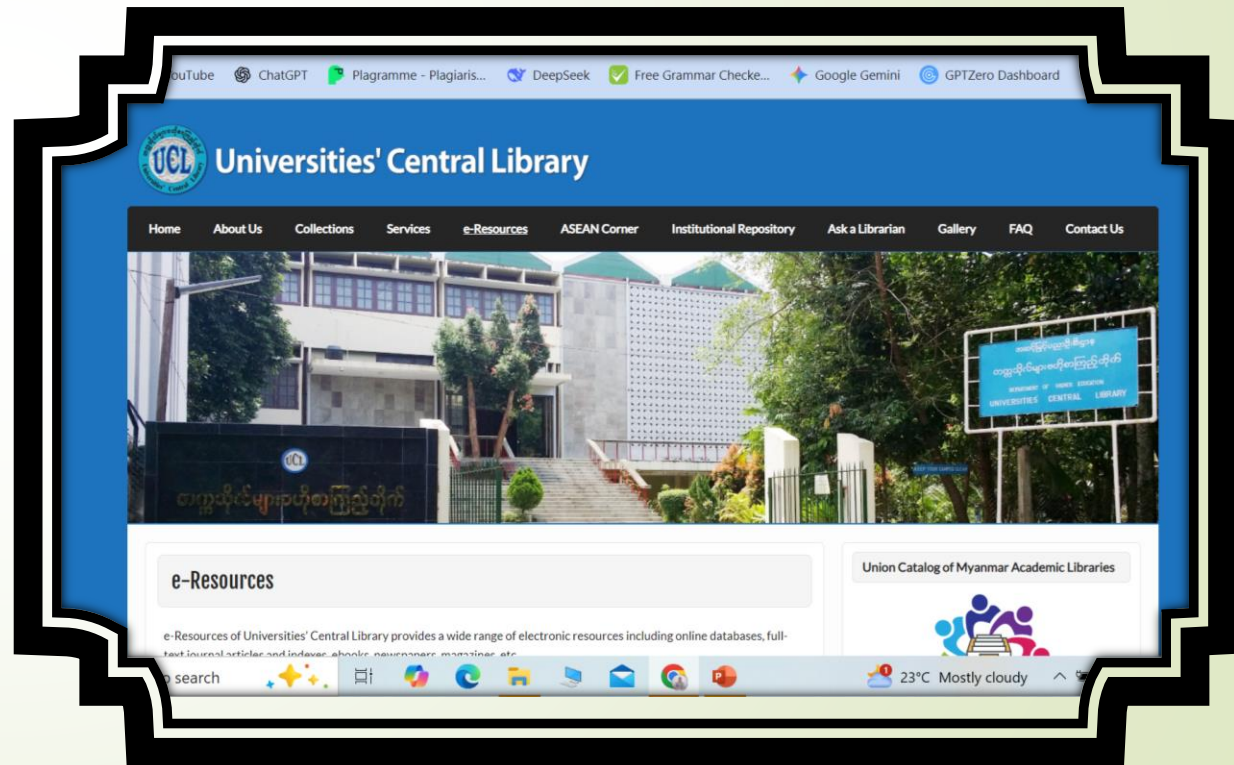
BIBLIOGRAPHY



<p>Currency</p> <p>01</p>	<p>Relevance</p> <p>02</p>	<p>Authority</p> <p>03</p>	<p>Accuracy</p> <p>04</p>	<p>Purpose</p> <p>05</p>
<p>Is the information up-to-date?</p>	<p>Is the scope appropriate for the topic?</p>	<p>Check the author's qualifications and expertise</p>	<p>Is the information correct, reliable, and error-free?</p>	<p>Is the information presented fairly and without bias?</p>

Criteria for Evaluating Reference Material

E-Reference Sources



E-Library Myanmar

1. wide range of scholarly e-journal and e-book collections
2. high quality reference information and academic databases
3. over 15,000 full text journals, 140,000 e-books plus other materials



Users can cross-search the full text of over 15,000 full text journals, 140,000 e-books plus other materials such as newspapers, statistical information, images and more using online Discovery Service or can direct access to individual e-journal and e-book collections, and databases. Click the links below to get started.

[EBSCO Connect](#)

Reference and newspapers

- Credo Online Reference Service: Academic Core Collection
- EBSCO Newspaper Source
- MasterFILE Premier
- Oxford English Dictionary Online
- Oxford Quick Reference

Multidisciplinary e-resources

- Cambridge Journals Online
- EBSCO Academic Search Premier (available through the main Discovery Service)
- EBSCO eBook Academic Subscription Collection (available through the main Discovery Service)
- Edward Elgar Journals and eBook Collections (Law and Development Studies)
- Intellect Journals Collection
- JSTOR
- Oxford Handbooks Online
- Oxford Journals Collection
- Oxford Scholarship Online
- Sage Research Methods
- Sage Research Methods Cases
- Taylor & Francis Combined Library

Myanmar

- Journal of Burma Studies

Law

- HeinOnline Academic Core Collection
- JustCite
- Justis
- Investment Claims
- LexisNexis (Lexis Singapore Research Service)
- Max Planck Encyclopedia of Public International Law
- Oxford Constitutions of the World
- Oxford Legal Research Library
- Oxford Reports on International Law
- Oxford Scholarly Authorities on International Law

Science

- BioOne
- IOPscience
- Nature Publishing Group Journals
- Royal Society of Chemistry eBooks
- Royal Society of Chemistry Journals Archive
- Royal Society of Chemistry Gold
- Royal Society Journals Collection

Business, Economics and Education

- EBSCO Business Source Premier
- ERIC (the Education Resource Information Center) (available through the main Discovery Service)
- IMF eLibrary

Union Catalog of Myanmar Academic Libraries (UCMAL) has details of more than 312,000 Book Titles and 54,000 Thesis titles in Myanmar and English. It is a combined catalog and effort of 26 major University Libraries in Myanmar and offers title, author and subject data as well as location. It was initiated by UCL and it won't be possible without combined effort of all these 27 university libraries. More academic libraries will be joining and union catalog data will be updated periodically.

UCL's Online Public Access Catalog

e-Catalogs of Universities' Central Library can be searched here. Total of more than 82,500 Books, 30,000 Theses and 13,000 Palm Leaves catalogs are available online.

Browse starting with:

Category: Title Database: Books

Materials: All

Language: All

Publish country: All

Items per page: 50

e-Resources at Universities' Central Library

Please check our e-Resources page to access a wide range of Electronic Resources including Online Databases, full-text Journal articles and indexes, eBooks, Newspapers, Magazines, etc.



UCL on Facebook

Useful Links



E-Library Myanmar



one of the largest databases for periodicals

more than 160 subjects areas

Scholarly journals, trade publications, magazines, books, newspapers, reports and videos





ProQuest.

Dissertation &
Theses Global

millions of works from thousands of universities

Full-text coverage - 1743 to present

citation coverage - dating back to 1637

Business, Health & Medicine, History ...



MERAL

- free and open access
- research publications
 - (international and local journals, theses, conference papers, etc.)
- teaching and learning materials from Universities in Myanmar



eTekkatho
digital library

- over 1,700 full text academic resources.
- covers education, earth sciences mathematics and English language ...
- selected and described by subject specialists.



Zotero

- Automated Extraction AI
- free, open-source reference management tool
- collect, organize, and analyze research and share
- the ability to store author, title, and publication fields and
- to export that information as formatted references



Turnitin

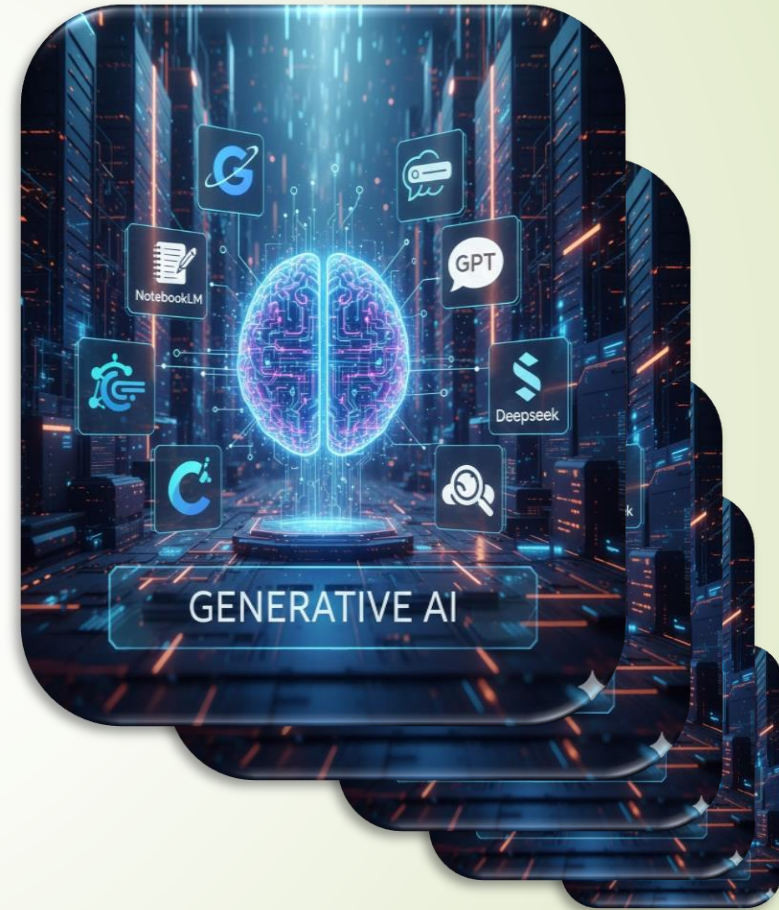
- Analytical AI
- plagiarism detection tool
- compares and checks them against Internet sources, academic journals, books, and a database of previous student papers, and then generates a Similarity Report.



- Analytical AI
- plagiarism detection tool
- to detect any non-original parts against Internet sources, academic journals, and a database of previous student papers
- report showing the percentage of similarity, highlights matching text, and provides source references.

Generative AI

- Google Gemini
- Google NotebookLM
- ChatGPT
- Perplexity
- Microsoft Copilot (Bing)
- Claude
- Deepseek ...



REASON FOR CITING SOURCES

1. To give Credit



2. To Assure reader about the accuracy of facts



3. To show readers the research tradition that informs work being done



4. To help readers follow or extend the research



CITATION SHOULD NEED TO PROVIDE

Citation
required



Quote exact words from a source



Paraphrase idea



Use any idea, data or method

What action can be considered Plagiarism?

Copying word for word

Using exact words

- without quotation marks and
- presenting them as your own work.

Paraphrasing without Credit

Restating another person's ideas

- presenting them as one's own
- without proper attribution

Idea/Concept Theft

Using idea, or research findings without giving

- proper credit and
- presenting them as your own work.

Improper Citation

Citing a source

- providing incorrect or
- misleading information

HOW CAN ONE AVOID PLAGIARISM?

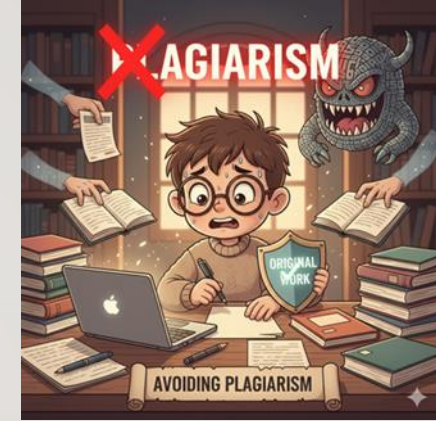
- Paraphrase the sentence in your own words and unique sentence structure.
 - Just replacing words with synonyms ✘
 - Focus on understanding the idea and expressing it in your own words. ✔

Original - The cat is sitting on the mat.

The cat is resting on the rug. (Patchwriting)

A mat is being occupied by a cat. (Paraphrasing)

Avoiding plagiarism is about more than just "not copying"



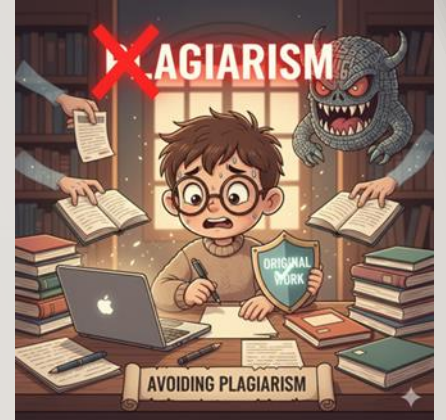
- Use Direct Quotations Correctly
 - Use quotation marks (" ").
 - Provide an in-text citation immediately.
 - Don't overdo it—quotes should usually make up less than 10% of your entire paper.

HOW CAN ONE AVOID PLAGIARISM?

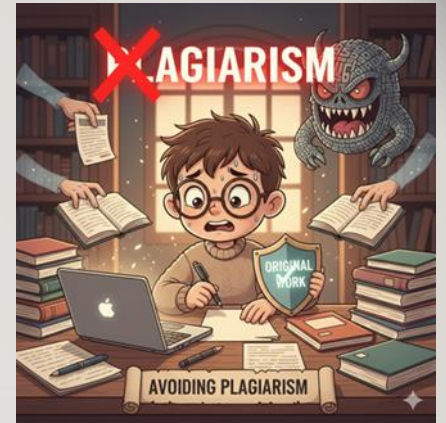
HOW CAN ONE AVOID PLAGIARISM?

Avoiding plagiarism is about more than just "not copying"

- Cite Everything (Except Common Knowledge)
 - Direct quotes
 - Paraphrased ideas or theories
 - Data, statistics, and charts
 - Images or videos.



HOW CAN ONE AVOID PLAGIARISM?



- **Keep Track of Your Sources**
 - Plagiarism often happens by accident because of poor organization
 - Take notes carefully: Mark which notes are direct quotes and which are your own thoughts
 - Reference Managers: Use tools like Zotero, Mendeley, or EndNote to save links and generate bibliographies automatically.

HOW CAN ONE AVOID PLAGIARISM?

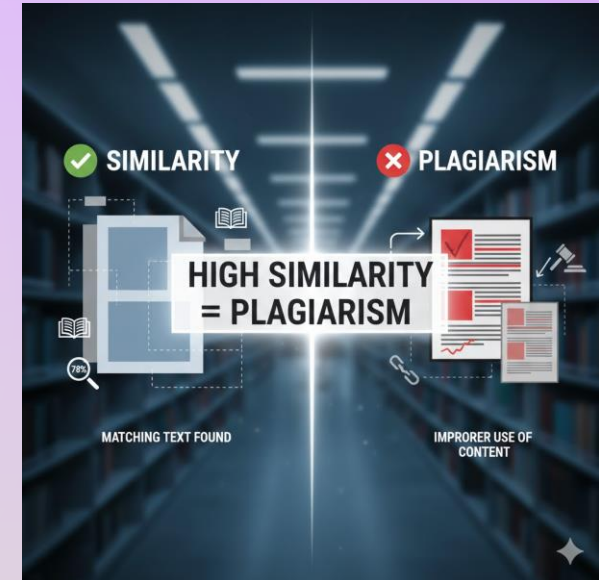
HOW DOES A PLAGIARISM CHECKER WORK?



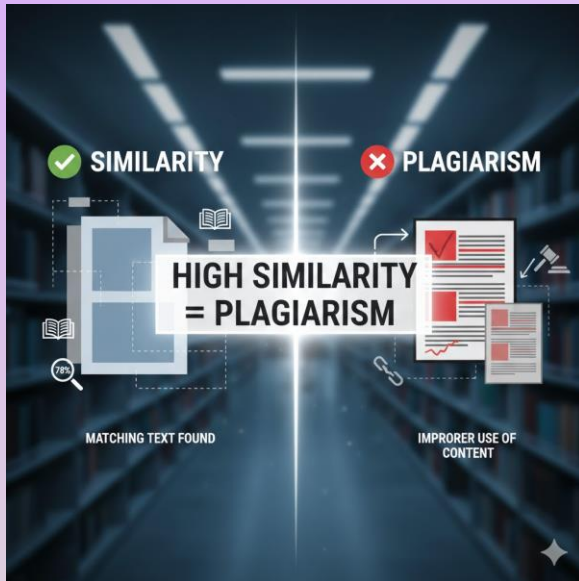
- detect copied or improperly cited content in written documents.
- comparing with a large database of online sources, academic papers, books, and previously submitted works.
- highlights matching text, calculates a similarity percentage, and provides a report showing

CAN A PLAGIARISM CHECKER TELL IF A PAPER IS PLAGIARIZED?

- Not saying it directly.
- merely a measure of matching text, whereas plagiarism depends on how that content is used.



HOW DOES CITING OR NOT CITING AFFECT THE RESULTS?



- High similarity % may occur even with proper citations.
- Too many citations ⇔ high similarity.
- Indicates low original content/ideas in the paper.

REFERENCE

"E-Resources," Universities' Central Library Website, accessed January 12, 2026. <https://www.uclmyanmar.org/>

Jovanovic, Mladjan and Mark Campbell, "Generative Artificial Intelligence: Trends and Prospects." Research Gate. October 2022, accessed January 12, 2026. https://www.researchgate.net/publication/364085232_Generative_Artificial_Intelligence_Trends_and_Prospects

Moulaison-Sandy, Heather & Zach Coble, "Leveraging AI in Cataloging: What Works, and Why?" Technical Services Quarterly, 41:4, 375-383, DOI: 10.1080/07317131.2024.2394912

Molaudzi, Amogelang Isaac, & Patrick Ngulube "Use of artificial intelligence innovations in public academic libraries." IFLA Journal 2025, Vol. 51(3) 660–670, DOI: 10.1177/03400352241301780



Thank you

Dr. Tun Aung Kyaw



09-448045907

Project Analysis

Use Direct Quotations Correctly

- › Use quotation marks (" ").
- › Provide an in-text citation immediately.
- › Don't overdo it

Cite Everything (Except Common Knowledge)

- › Direct quotes
- › Paraphrased ideas or theories
- › Data, statistics, and charts.

Keep Track of
Your Sources

- › poor organization
- › Take notes carefully
- › Use tools like Zotero, Mendeley

THREAT

- › Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.
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INTERNAL