



Challenges of Plagiarism in Digital Environment

Kartika Mahajan
College Librarian

College of Dairy Technology, Warud (Pusad)
Dist. Yavatmal 445204, Maharashtra
Email: mahajan_kartika@rediffmail.com

ABSTRACT

Plagiarism in education has existed from many years. The advancement in technology results in easy access to a multitude of information sources has substantially reduced the effort required to incorporate the work of others into an essay or report. This paper gives the brief functionality of Dupli checker plagiarism software.

Key words: Academic Integrity, Copyright, Plagiarism, Dupli checker plagiarism tool.

1. INTRODUCTION

Now a day, Plagiarism in academic environment has the challenges of scientific honesty. Technological advancement, such as internet and email, has however substantially increased the sources available for plagiarizing, and significantly reduced the time and effort required to incorporate these sources into an essay or report. Plagiarism is an act of taking someone else's ideas and passing them off as owns. Plagiarism has now become an integral part of digital lives as technology, with the billions of information it gives us access to, led to the exacerbation of this phenomenon. Plagiarism is the presentation of the work of another as owns original work, is not a new phenomenon. Plagiarism has always been a difficulty in publishing but the problem has aggravated with the unauthorized re-use of material found on the Internet. It can be intentional or non-intentional. Different kinds of academic frauds are increased as technology increases. The most prominent and most commonly adopted of these is the act of plagiarism which is done in most of the academic assignments, theses and even research papers. [16]

Plagiarism is not the same as copyright violation. While both the terms may apply to a particular act, they are different terms, false claims of authorship may subject to plagiarism regardless of whether the material is protected by copyright or not. It is considered an ethical offense and can be harmful to one's academic reputation and honesty. In short Plagiarism is an ethical construct and copyright violation is a legal one. [19]

1.1 DEFINITION

- Wikipedia quotes from Random House Compact Unabridged Dictionary, 1995 that: Plagiarism is the "Use or close imitation of the language and thoughts of

another author and the representation of them as one's own original work."

- The World Association of Medical Editors (WAME) defines "Plagiarism as the use of other's published and unpublished ideas or words (or other intellectual property) without attribution or permission, and presenting them as new and original rather than derived from an existing source.

To put it simply, this crime refers to stealing someone else's work or ideas, and passing it off as one's own. For a researcher, this form of scientific misconduct represents fraud of the worst order."

1.2 CONSEQUENCES OF PLAGIARISM

Plagiarism is a serious offense:

- Result in work being destroyed
- Result in expulsion from Academic Institution
- Result in legal action.
- Considered as a lack of academic integrity, academic dishonesty, academic fraud, intellectual theft, and cheating
- Results in a failing grade in an assignment
- Damages the reputation of students
- Creates the impression of unfairness and not a level playing field for all students
- Give the impression that students don't care about themselves nor the university
- Give professors the impression that students are lazy and not using their critical thinking skills
- Prevent students from the chance to interpret other people's ideas or develop new ones.

1.3 CAUSES OF PLAGIARISM

- Fear of failure or lack of confidence in their own writing
- Poor time management
- Course, assignment, conversion of academic documentation not important
- For better grading
- Aware of consequences of cheating
- Easy access of articles, books by using internet
- Lack of research, writing and documentation skill
- Don't know the effective use of citation

- Difficulties in understanding the western concept, ideas and written expressions.

2. TYPES OF PLAGIARISM

Different types of Plagiarism are as follows

- Copy & paste plagiarism
- Word Switch Plagiarism
- Ghost Writer
- Self-plagiarism
- Paraphrasing
- Manipulated Plagiarism
- Ideal Plagiarism
- Authors-Fight Plagiarism
- Translated Plagiarism
- Whole work Plagiarism
- Grammatical and Structural Plagiarism
- Juice Plagiarism

Plagiarism can mainly classified into two types

- **Intentional plagiarism:** Intentional plagiarism occurs when the person accused of unoriginal content has done it with all his conscience. Ignorant novice bloggers, cheap freelance writers, article spinners and students come under this category and tend to copy someone

else’s writing in order to save time and efforts. Effective plagiarism checkers tools are a must to check this type of content scrapers.

- **Unintentional plagiarism:** Unawareness about citations value and / or forgetting citations are examples for this type. The author’s goal is not to break the intellectual properties law and the mistake in not to intentional. Unintentional plagiarism occurs when you are not aware of copying someone else’s content, but writing has traces of content that is already published elsewhere. Quoting someone without giving due credits also comes in this category. [18-19]

3. PLAGIARISM DETECTION TOOLS/SOFTWARE

Plagiaristic trends in academic societies lead scientists to design plagiarism detection tools and software. There are two ways of detecting plagiarism one being the manual method and the other, the use of anti-plagiarism software. The manual method is very tedious and somewhat time consuming and the use of anti-plagiarism software is more effective and up to date to detect copied and unoriginal content easily.

Anti-plagiarism software are available commercially as well as an open source. Some of them are listed below in Table 1.

Table 1: List of Anti- plagiarism Software [1-15]

S N	Name of S/W	Company	URL	Licence	Format	Features /Function
1	Copy scape (2004)	Indigo Stream Technology	www.copscape.com	Freemium	PDF, DOC, DOCx, HTML, RTF etc.	create database and check
2	Copy leaks (2012)	Copyleaks LTD	www.copyleaks.com	Free	PDF, DOC, DOCx, HTML, RTF etc.	Support multiple file formats in
3	Paper Rater	API	www.paperrater.com	Freemium	Any programming language	Grammar, Plagiarism ,and
4	Plagiarism a (2010)	Informer tech.	www.plagiarisma.net	Freemium	Paste plain text into a text box, type a URL into a form, or load TXT, HTML,	variety of ways to input files built-in spell
5	Plagiarism e (2009)	Plagiarism e.com	www.plagiarisme.com	Freemium	.doc, .docx and .odt formats.	score Plagiarism risk
6	Plag Scan (2009)	PlagScan GmbH	www.plagscan.com	commercial	PDF, DOC, DOCx, HTML, RTF etc.	upload different file
7	Plag Tracker (2011)	Develer	www.plagtracker.com	Freemium	PDF, DOC, DOCx, HTML, RTF etc.	pdf reports, grammar check, and
8	Duplicate Checker (2006)	SEO	www.duplicatechecker.com	Freemium	Only text (.txt) files	The checker is free and has
9	Plagium (2006)	Septet Systems, New York	www.plagium.com	Freemium	PDF, DOC, DOCx, HTML, RTF etc.	User friendly Quick search
10	Grammarly	San Francisco and Kyiv.	www.grammarly.com	Freemium	.doc, .docx), OpenOffice (.odt), .txt and .rtf	To detect and correct more than 10 times the grammatical errors Create citations in multiple styles
11	Turnitin (1997)	Paradigms	www.turnitin.com	commercial	MS Word, Word XML, WordPerfect, PostScript, PDF HTML, RTF,	Ensure originality & integrity, paperless

12	Unplag (2014)	Unplag	www.unplag.com	commercial	odt, pdf, docx, txt, .rtf, .html etc	Realtime scanning and allows comparing documents and folders inside the user account. Check several files at a time and change sensitivity of similarity searches
13	Urkund	PrioInfo AB	http://www.urd.com/	commercial	.doc, .docx, .sxw, .ppt, .pptx, pdf, .txt, .rtf, .html, .htm, .wps, .odt and pages	Easy to use, integrated system, less work involved, selection, discovery rate
14	iThenticate (2004)	Turnitin Oakland	http://www.ithenticate.com/	commercial	MS Word, Word XML, WordPerfect, PostScript, PDF HTML, RTF, HWP, OpenOffice (ODT) and plain text.	Integration with content management systems (CMSs) and manuscript tracking systems (MTSS).
15	Viper (2012)	All Answers Ltd.	www.scanmyessay.com/	free	.doc, .docx, .pdf, .html, .odt, .rtf, .text, .s, .cs, .app, .java, .ppt, .pttx.	Fast, accurate checking for plagiarism against millions of online websites and web pages

4. DUPLICHECKER

Dupli Checker is free online plagiarism detection software. Duplichecker produced over a million pages of high quality content that can attract huge traffic of clients. It is a free online plagiarism checking tool to benefit people belonging to any occupation. Each document is analyzed and statistical results are produced. One can copy text in its text box, or upload a text file. This plagiarism detection software will break all the sentences of text into individual sentences and then search for those sentences in Google. It gives a good detection if the text is an exact match, but fails if there are changes in text. It does give an option to search for text with quotes or without quotes. [6]

Duplichecker analyzes each sentence entered in the text box. The text can be entered either ways; copy-paste text into the text box, enter the URL of the content destination required to be checked, or upload a text file. It is the easiest and the fastest platform to use and trustworthy website to check the plagiarism. It analyzes each sentence so that the user can know where to modify. It produces statistical results of the searched text so that one can know the level of plagiarism done. Also, word to word analysis helps to identify the copied words, phrases, or passages. The figure No. 1 shows that the main page of Duplichecker Plagiarism



Figure 1: Web page of DUPLICHECKER (www.duplichecker.com) plagiarism

Features:

- 100% free to use
- Instantly upload text in a variety of formats.
- Accessible for all.
- free sign up to upload more than 1500 words of text at a time
- No limitation of word count

- Unregistered users can carry out one search, while registered users can carryout unlimited searches and there is no cost associated
- Two options offered that copy and paste online scanner and file uploader
- The online scanner correctly identified or detected the webpage, website, online pdf which contained material that had been plagiarized.
- Two Ways to search or check the document/ file using duplichecker
- Copy and paste content in the big box. Content should not be more than 1000 words per search.
- Click on the Browse tab to upload Docx or Text file.

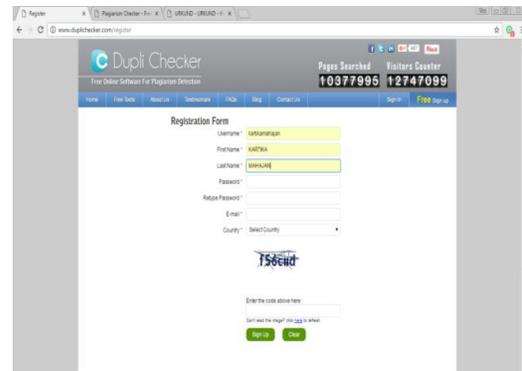


Figure 2: Fill the Registration Form of Duplichecker

Figure 2 By filling the Registration form for the Registration to sign in Duplichecker.

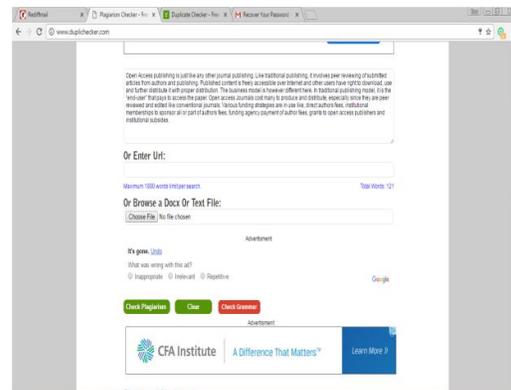


Figure 3: Enter the content into the text box

To check the plagiarism copy the text into the dialogue box as shown in the figure 3.

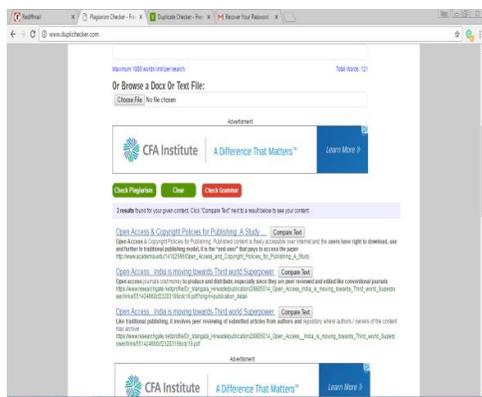


Figure 4: Search / check using Duplichecker

The figure 4 displays the Duplichecker will search duplicate articles and shown the list and content of article.

4.1 OTHER TOOLS ARE AVAILABLE IN DUPLICHER PLAGIARISM:

Approx. 60 tools are available in duplichecker but some important tools are listed below:

- Plagiarism Checker
- Comparison search
- Spell checker
- Word count checker
- Page size checker
- Article rewriter pro
- Keyword density
- What is my IP?
- Google Index Checker

5. CHALLENGES FOR STUDENT AND RESEARCHER

Academic integrity comprise of honest, trust, respect, fairness and responsibility. Hence there are many challenges to the researcher to maintain the academic integrity and to avoid violation of copyright act. The content validation plays the vital role in research article to ensure the originality of the research. [19]

In this technological era, a plagiarism is essential for protecting original work. This plagiarism benefits for teachers, students, website owners and anyone else interested in protecting their writing. The written material can be checked online by using plagiarism software to ensure the texts are unique. Many college and university students face extreme penalties for plagiarism such as failing an assignment, loss of privileges, academic probation or even expulsion. For avoiding the punishment or imprisonment, student should detect plagiarism that means to search the grammar mistakes before the submission of paper.

6. CONCLUSION

In the advancement of technology and the digital era, the plagiarism software is the useful tool for ensuring the originality and to provide the academic integrity. Today's need is to avoid the violation of copyright act and to make the awareness among the students and academician about the original and authentic research work. It is the need of educational institute to recognize the plagiarism using the holistic and multi-stake holder approach to achieve the academic integrity.

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