Types of Plagiarism and how Plagiarism Detector works

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Abstract: - *Now-a-days the issue of plagiarism is a big challenge. Research should be original but unfortunately in many cases that is not so. In the field of Academics, Academic dishonesty is a common phenomenon. Hence it is very important to stop all that illegal activities and fraud and for that Plagiarism software are available. This paper explains what is plagiarism ,types of plagiarism, and how plagiarism software works. It also lists the important plagiarism detector software packages.*

Keywords: Plagiarism, Plagiarism checker, Plagiarism detector, Types of Plagiarism

Introduction

Any information which is published or circulated in the form of any document should be authentic and original. Plagiarism is very dangerous for information society. Research works are most affected by plagiarism. Now, at the time of research work submission, the research documents are checked by plagiarism software to make sure it should be original and pure research. Not only in research work but at other places also plagiarism exists, like wrongful appropriation and stealing and publication of any other author's words, ideas, concepts or expressions and giving own label to that work as an original and pure work. Plagiarism is not just a crime but it also constitutes infringement of copyright acts in academics and industry it is a serious ethical offense. Plagiarism is an unethical activity. For protecting research work and publications from plagiarized data some security features are required. Plagiarism Checker software are used for verifying and checking data and indicate in percentage how much data is not proper, or is plagiarized. Now a days attitude of students towards cheating and plagiarism has increased and the main reason behind it is

internet. Students can search required information from internet and use that information as it is for their work; it has become difficult for academic institutions to control and find such types of instances. Students do these things because they are not aware about plagiarism. Hence it is essential that students become aware of the seriousness of these types of offences and be motivated to avoid them. It is very important to make students in higher education aware about plagiarism. Now the academic community currently gives more attention to increasing the awareness among students, researchers and teachers about ethical issues in the electronic age. Copyright violation is also included in plagiarism, not only for copy paste of data or uses of same wording are under the terms of plagiarism, there are so many activities that come under the plagiarism. Many of these are discussed in this research paper.

What is Plagiarism?

In simple words, plagiarism is an act of *fraud*. It involves both **stealing** someone else's work and **lying** about it afterwards. In other word Plagiarism is a form of academic misconduct and fraud in which you represent someone else's thoughts, words or ideas as your own. For example, the basic expectation in every class is that whatever you write will be in your own words, generated by your own understanding. Hence it is acceptable to incorporate someone else's words in your paper only if you clearly indicate the words are someone else's. Plagiarism by students, teachers or any researchers is

considered academic dishonesty or academic fraud. In the field of journalism plagiarism is also not acceptable and punishment for that is suspension to termination of employment

Types of Plagiarism:

1) Clone: Using same text or words of another's works by own names that could be known as clone.

2) Copy (CTRL+C): Same matter or portions are copy from source and use without alterations that is called copy.

3) Find-Replace: Only changes made in key words or phrases but retaining actual and important content of the source.

4) Remix: Multiple data are collecting from multiple sources with same reference and match that data with together.

5) Recycle: Using already available data without giving proper citation.

6) Hybrid: Combination of perfectly cited source with unoriginal data without citation.

7) Mashup: Collection of unoriginal or copy data from multiple sources to at one place.

8) 404 Error: Citing dummy or non-existing sources or providing incorrect information of resources (Providing faulty references which is does not existing in original)

9) Aggregator: Providing proper citation or references to the data but original content almost not available.

10) Re-tweet: proper citation but depending on original text or wording structure.

Plagiarism Checker Software: For detecting plagiarism some software are also available. Universities, publishers, research institutions etc. are using this software for detecting plagiarized works. This paper also explains how Plagiarism checker software works.

Plagiarism Detector:(Plagiarism Detector, [Website] 2017) Is application software which is supported on Microsoft Windows, XP, Window Vista, Window7 etc. to check sets of documents or data against the search engines databases and trying to find location of possible sources and define the exact percentage of same information. Example:

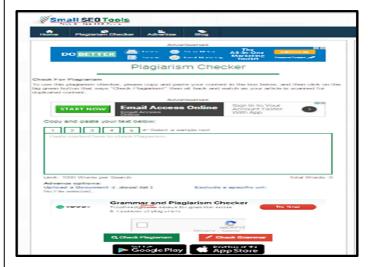| Search Engine	Web Address	Wiki Page
Google	http://www.google.com	[detailed information]
Yahoo	http://www.yahoo.com	[detailed information]

Plagiarism Detector's main function is the automated detection of digital plagiarism content that is unauthorized copy paste of text data which is originated from the World Wide Web. It was designed to use the biggest digital publicly open database in the world - that of the search engines.

How Plagiarism Detector Works: For detecting plagiarized content of documents or data there are five simple steps available for plagiarism detector, as below.

1) Attach files or documents or insert text data with detector for detecting plagiarism (There is limitation of wordings or size)

2) Send that content to a search engine.

3) All search results of search engines are downloaded.

4) All search engines results are analysed.

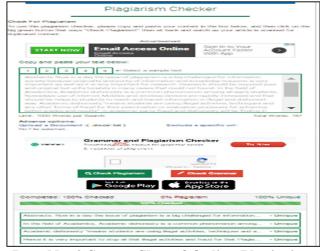5) Finally you get original status of plagiarism.

Before Data Insert:

Img. No. 1 Screen Shot of Online Plagiarism Detector

Source: http://smallseotools.com/plagiarism-checker/

After Data Insert:

Img. No. 2 Screen Shot of Online Plagiarism Detector

Source: http://smallseotools.com/plagiarism-checker/

How Plagiarism Detector becomes simple:

Unlike the other on-line plagiarism detection services Plagiarism Detector is a desktop application that gives it unique features. It can utilize more processing power per client and send a lot more requests to a search engine because there exists no strict limit to system resources. Plagiarism Detector heavily exploits CPU power (up to 100% load) during the text comparison and Internet bandwidth usage for massive query generation and external source download. Plagiarism Detector outperforms any other plagiarism checker just because it works more - its text comparison algorithm has no matches.

Which file formats are supported by Plagiarism Detector: Plagiarism detector supports following file formats for plagiarism detection.

1) Microsoft Word: *.doc, *.docx
2) Portable Format Documents: *.pdf
3) Rich Text Documents: *.rtf
4) Internet pages: *.html, *.htm, *.php etc.
5) Microsoft Powerpoint Presentations: *.ppt, *.pptx
6) Plaintext files: *.txt

Time Duration for Plagiarism Detection: Plagiarism Detector takes 1-2 minutes time for detecting 3-4 pages data. Plagiarism detection reports are generated automatically and immediately. Plagiarism detector gives output in HTML and Javascript based Reports.

Examples of Plagiarism Detectors: Some examples of other plagiarism detector softwares are as follows

1) Dupli Checker
2) Copyleaks
3) PaperRater
4) Plagiarisma
5) Plagiarism Checker
6) Plagium
7) PlagScan
8) PlagTracker
9) Quetext
10) Viper
11) turnitin

Conclusion

There are so many ways available for plagiarism but plagiarism detectors help us to find the copy paste or unrecognized content. It is also useful for fair and original works as well as also helps in original research. Manually it is not possible to find plagiarized content from huge resources. Plagiarism detectors are just machine based application software so they also work on GIGO basis, they can make some mistakes hence almost useless without intelligent humans. Software that can detect plagiarism needs a nice partner to improve the general result in the end.

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