

Plagiarism Detection using iThenticate Software: An Experience

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Abstract:- The main purpose of this paper to discuss the practical guidelines for detecting plagiarism using iThenticate Software is commendable. Plagiarism detection is crucial in maintaining academic and research integrity, and providing a step-by-step procedure using iThenticate adds practical value to the academic community.

➤ *Outlined Below are Key Points that Could be Incorporated into the Paper:*

- Briefly introduce the significance of plagiarism detection in maintaining academic integrity.
- Highlight the prevalence of plagiarism and the importance of addressing it, especially in research institutions like CSIR NGRI.
- Provide a concise overview of iThenticate, its features, and how it functions as a plagiarism detection tool.
- Mention its widespread use in academic and research institutions globally.
- Offer a brief background on CSIR NGRI and its research activities.
- Explain why plagiarism detection is relevant in the context of CSIR NGRI's research output and scholarly publications.
- Provide a detailed, step-by-step guide on using iThenticate for plagiarism detection.
- Include information on accessing the software, uploading documents, and interpreting the various reports generated by iThenticate (Similarity Report, Content Tracking, Summary Report, Largest Matches, etc.).
- iThenticate is primarily designed to detect instances of plagiarism in academic and research documents. It compares the submitted text against an extensive database of academic content, including articles, journals, and other publications, to identify similarities.
- By using iThenticate, institutions can ensure that academic and research work maintains a high level of integrity. It helps to uphold ethical standards by identifying and addressing instances of plagiarism, which is crucial in academic and scholarly environments.
- iThenticate not only identifies intentional plagiarism but also helps in preventing unintentional plagiarism. Researchers and authors may sometimes unknowingly include text similar to existing works, and iThenticate helps catch these instances before publication.
- Publishers can use iThenticate to ensure the originality and uniqueness of the content they publish. This helps maintain the quality of published materials and builds trust among readers, authors, and the academic community.
- Many academic journals and institutions have strict ethical standards regarding plagiarism. iThenticate assists in meeting these standards by thoroughly checking manuscripts and research papers for any potential instances of plagiarism, ensuring compliance with ethical guidelines.
- iThenticate automates the plagiarism detection process, saving time for researchers, editors, and publishers. It can quickly scan large volumes of text, providing prompt feedback on the originality of the content.
- iThenticate can be used as an educational tool to teach students and researchers about proper citation practices and the importance of avoiding plagiarism. It promotes a culture of academic honesty and integrity.
- iThenticate has the capability to detect similarities across multiple languages, making it a valuable tool in international academic and research environments where documents may be written in different languages.
- iThenticate can be customized to suit the specific needs of institutions and publishers. It also integrates with various publishing platforms and document management systems, making it a versatile tool for different workflows.
- iThenticate provides detailed reports highlighting the areas of similarity and potential plagiarism in a document. These reports can be used for documentation purposes and as a basis for further investigation or discussion.

I. INTRODUCTION

iThenticate is a plagiarism detection software developed by Turnitin, a widely used platform in academic and research institutions.

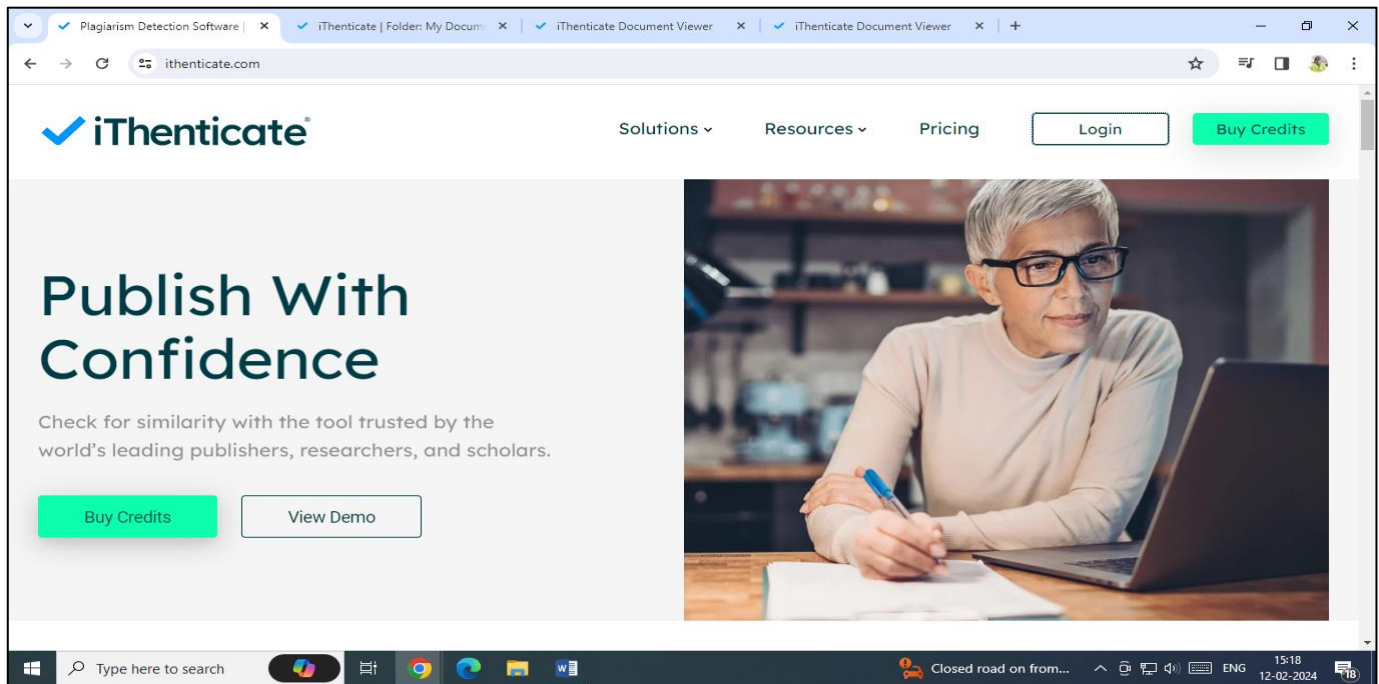


Fig 1: Home Page of Ithenticate

iThenticate is designed to help researchers, scholars, publishers, and institutions identify and prevent plagiarism in academic and scientific writing. Users can submit documents, such as research papers or manuscripts, to iThenticate, and the software compares the content against a vast database of academic and non-academic sources to identify potential instances of plagiarism or improper citation.

II. KEY FEATURES OF ITHENTICATE MAY INCLUDE

- **Text Comparison:** It compares the submitted text against a vast database of academic and non-academic content to identify similarities.
- **Document Repository:** It allows users to maintain a repository of their own documents for comparison and tracking purposes.
- **Originality Reports:** Users receive detailed reports highlighting areas of potential plagiarism, along with links to the matching sources.
- **Citation Analysis:** iThenticate helps in analyzing and verifying proper citation practices to ensure academic integrity.
- **Integration:** It can be integrated with various publishing platforms, manuscript submission systems, and other tools commonly used in academic and research workflows.

III. FOUR MAIN REPORTS IN ITHENTICATE ARE TYPICALLY

- **Originality Report:** This report highlights any text in the submitted document that matches content from its extensive database of scholarly works, websites, and other sources. It indicates the percentage of similarity found and provides links to the matching sources for further examination.
- **Similarity Report:** The similarity report shows a detailed breakdown of the matched text, highlighting specific passages and indicating the source of the matching content. It allows users to review and assess the similarities found and determine if any potential plagiarism or improper citation needs addressing.
- **Document Viewer:** This feature allows users to view the submitted document alongside the sources that were found to have similar content. It provides a side-by-side comparison to facilitate a more thorough analysis of the matches and helps users identify any necessary revisions or corrections.
- **Summary Report:** The summary report provides an overview of the key findings from the originality and similarity reports. It typically includes statistics such as the overall similarity score, the number of matching sources, and other relevant information to help users quickly understand the extent of similarity detected in their document.

These reports collectively assist users in ensuring the integrity of their work by identifying and addressing any instances of potential plagiarism or improper citation before submitting their documents for publication or evaluation.

IV. MATCH BREAKDOWN

iThenticate provides a Match Breakdown within its Similarity Report.

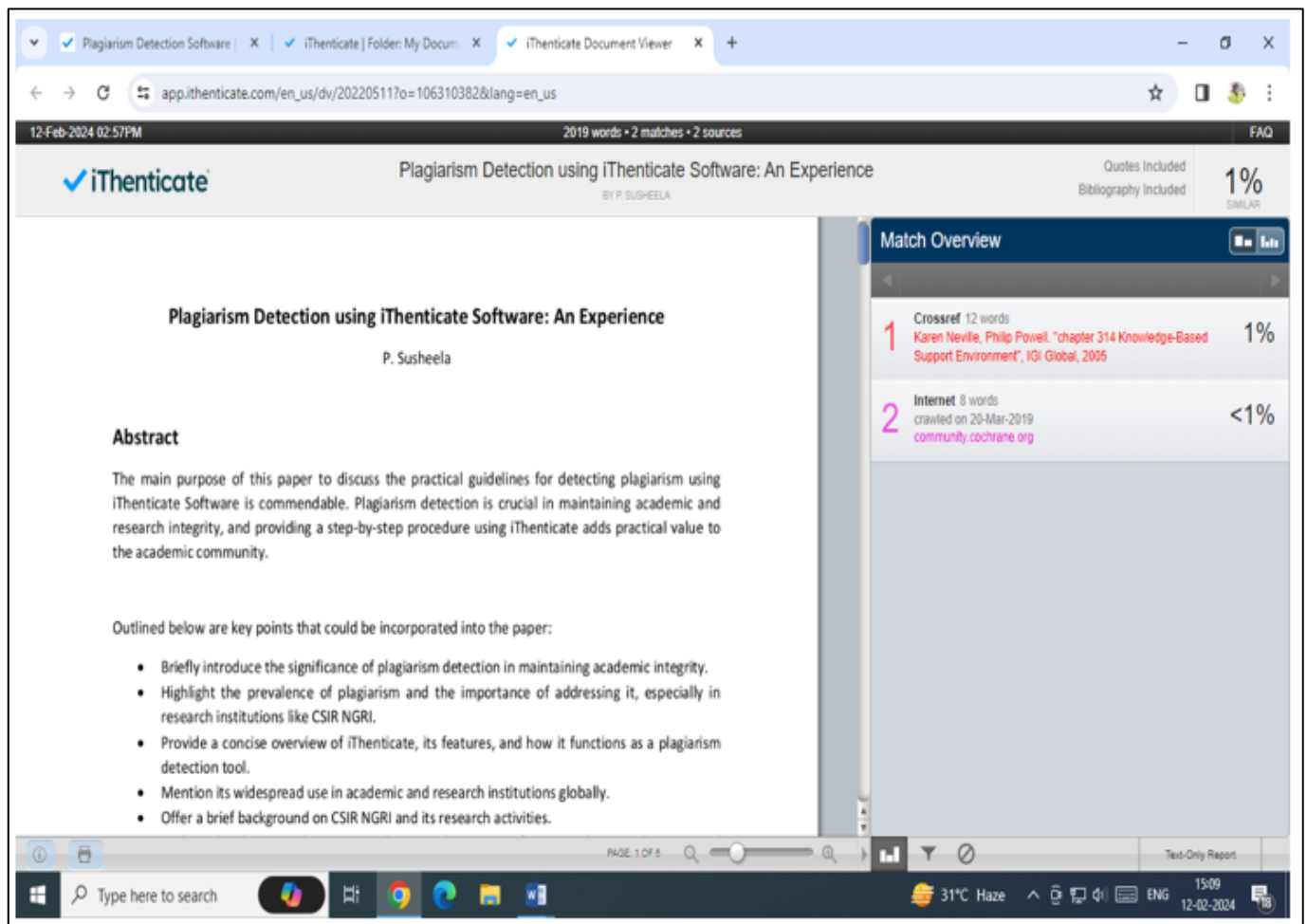


Fig 2: Match Overview Page of Ithenticate

The Match Breakdown is a detailed section that offers a granular view of the document's similarity to existing sources. Keep in mind that software features and interfaces may evolve.

➤ *Access the Similarity Report:*

After submitting a document for plagiarism checking, access the Similarity Report generated by iThenticate.

➤ *Navigate to the Match Breakdown:*

Within the Similarity Report, there should be a section or option specifically labeled as "Match Breakdown" or something similar.

➤ *Explore Detailed Matches:*

The Match Breakdown provides a detailed breakdown of the document's similarity to external sources. It typically includes information such as the percentage of similarity, the number of matching words, and the specific sources that the document matches.

➤ *View Individual Matches:*

The Match Breakdown allows users to view individual matches and corresponding sources. Each match is usually presented with color-coded highlighting in the document, making it easy to identify sections that match external content.

➤ *Click on Matched Sources:*

Users can click on each matched source to view more details about the source, including the specific text that matches the submitted document.

V. UTILIZE FILTERS AND OPTIONS

Depending on the version of iThenticate you are using, there may be options to filter matches based on different criteria, allowing users to focus on specific types of matches or sources.

The Match Breakdown is an essential component for users who want to investigate the details of the document's similarity and understand the context of the matches. It provides a comprehensive view of the matches, allowing

users to make informed decisions about the originality of their work. For the most accurate and up-to-date information on accessing and interpreting the Match Breakdown in iThenticate.

➤ Exclude Sources

iThenticate typically allows users to exclude certain sources from the Similarity Report to provide a more accurate assessment of the document's originality. t up-to-date information.

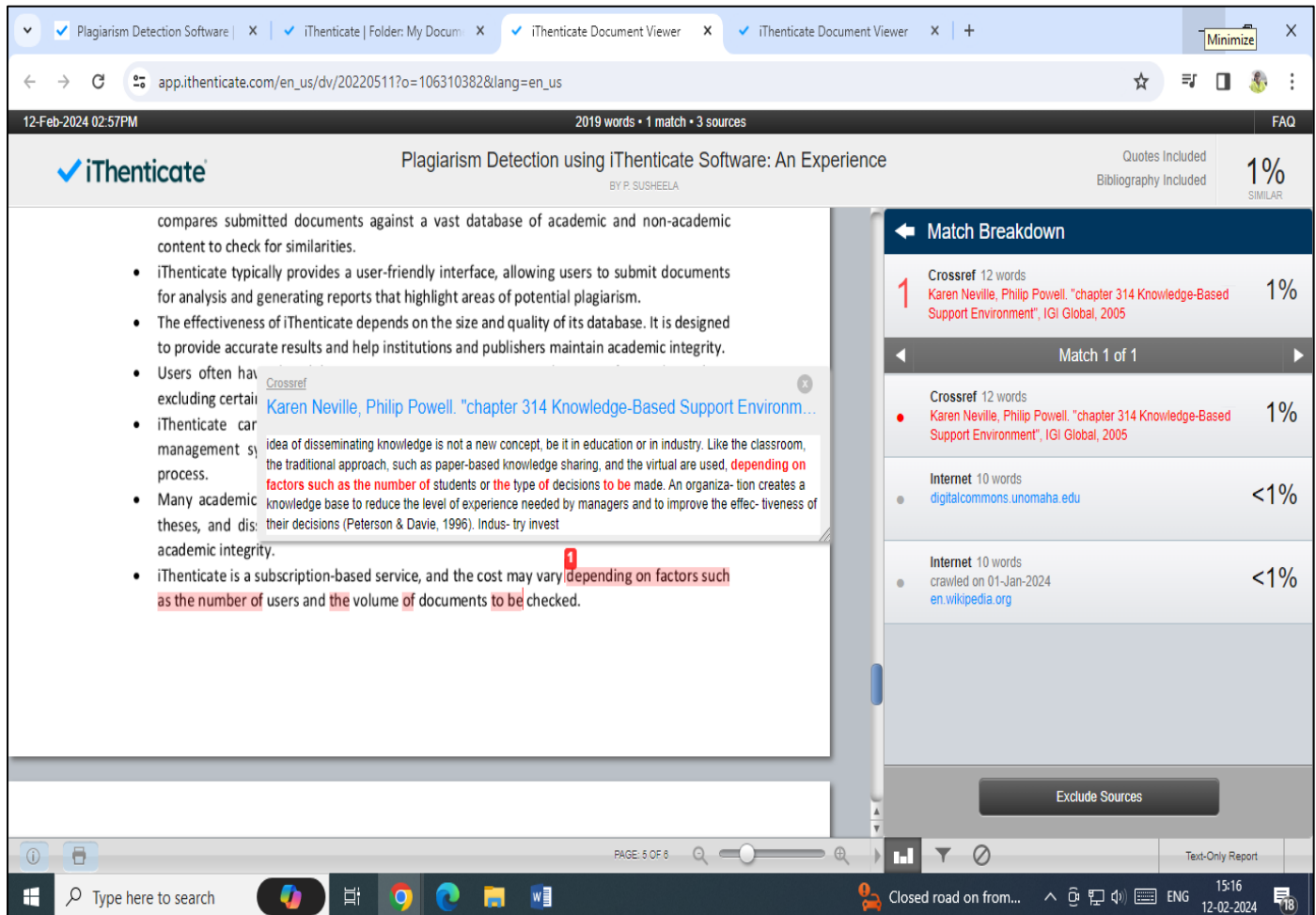


Fig 3: Exclude Sources Page of Ithenticate

➤ How to Exclude Sources in iThenticate:

• Access the Similarity Report:

After submitting a document for plagiarism checking, access the Similarity Report generated by iThenticate.

• Identify the Source Exclusion Options:

Look for options or settings related to excluding sources. These options are typically found within the interface of the Similarity Report.

• Select Sources to Exclude:

Within the source exclusion settings, you should be able to select specific sources or types of sources that you want to exclude from the analysis. This could include excluding a particular website, a database, or other sources.

• Save Changes:

After selecting the sources to exclude, make sure to save your changes. This step may involve clicking a "Save" or "Apply" button within the interface.

• Review the Updated Report:

Once you've excluded certain sources, review the updated Similarity Report. The excluded sources should no longer contribute to the overall similarity percentage.

• Adjust Settings as Needed:

Depending on the version of iThenticate you are using, there may be additional settings related to source exclusion. Explore the software's settings or preferences to adjust them according to your needs.

• Report Filters

iThenticate typically provides users with various report filters to customize and refine the analysis of the Similarity Report.

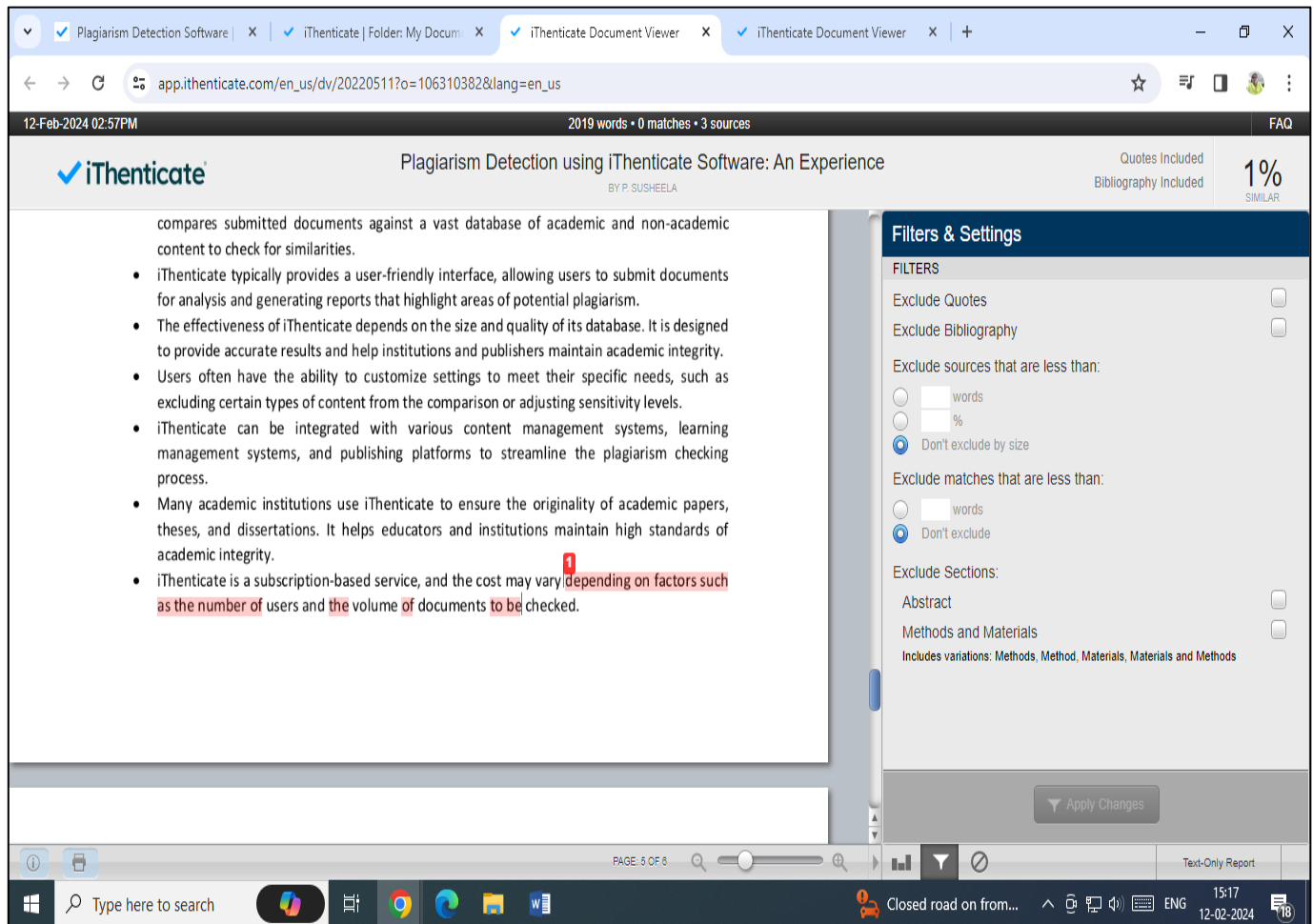


Fig 4: Filters & Setting Page of Ithenticate

➤ How Users Can Use Report Filters in Ithenticate:

- **Access the Similarity Report:**
After submitting a document for plagiarism checking, access the Similarity Report generated by iThenticate.
- **Identify Report Filtering Options:**
Look for options or settings related to report filters. These options are typically found within the interface of the Similarity Report.
- **Select Filtering Criteria:**
Choose the criteria you want to apply filters to. For example, you might filter matches based on the type of source, such as journals, books, or websites.
- **Apply Filters:**
Once you've selected the filtering criteria, apply the filters to the report. This may involve clicking an "Apply" or "Filter" button within the interface.
- **Review the Filtered Report:**
After applying the filters, review the updated Similarity Report. The report should now display matches based on the specified criteria.

• Adjust Filters as Needed:

Depending on the version of iThenticate you are using, there may be various filter options available. Explore the software's settings or preferences to adjust filters according to your needs.

VI. CONCLUSION

iThenticate is a plagiarism detection software widely used in academic and research institutions, as well as in publishing and other industries. It is developed by Turnitin, a company specializing in academic integrity and plagiarism prevention. iThenticate is a valuable tool for detecting and preventing plagiarism in academic and professional settings. Its user-friendly interface, accuracy, customization options, and integration capabilities make it a popular choice for institutions and organizations committed to maintaining the highest standards of integrity in written work.

- iThenticate is primarily used for identifying instances of plagiarism in written content. It compares submitted documents against a vast database of academic and non-academic content to check for similarities.
- iThenticate typically provides a user-friendly interface, allowing users to submit documents for analysis and generating reports that highlight areas of potential plagiarism.

- The effectiveness of iThenticate depends on the size and quality of its database. It is designed to provide accurate results and help institutions and publishers maintain academic integrity.
- Users often have the ability to customize settings to meet their specific needs, such as excluding certain types of content from the comparison or adjusting sensitivity levels.
- iThenticate can be integrated with various content management systems, learning management systems, and publishing platforms to streamline the plagiarism checking process.
- Many academic institutions use iThenticate to ensure the originality of academic papers, theses, and dissertations. It helps educators and institutions maintain high standards of academic integrity.
- iThenticate is a subscription-based service, and the cost may vary depending on factors such as the number of users and the volume of documents to be checked.
- The reference to the University Grants Commission (UGC) regulations and their insistence on schools using plagiarism detection software is significant. Mandating the use of such tools indicates a proactive approach to maintaining academic integrity and preventing plagiarism. The requirement for schools to provide an electronic copy to the UGC for inclusion in the Information and Library Network Centre demonstrates a commitment to transparency and accountability in academic research.
- The acknowledgment of the UGC's policy on plagiarism in PhDs as a positive step forward indicates the recognition of the importance of fostering honesty and integrity in research. This policy not only benefits the universities but also supports honest and hard-working PhD candidates by ensuring a fair and ethical research environment.
- It's clear from your statement that there is a recognition of the challenges posed by plagiarism in academia and an appreciation for measures, such as the use of plagiarism detection software and regulatory policies, to address and mitigate this issue.

REFERENCES

- [1]. <http://www.ithenticate.com/demo>.
- [2]. <http://www.ithenticate.com/about>
- [3]. <http://www.ntu.edu.sg/cits/lisa/lao/for-students/learning-tools/Pages/iThenticate.aspx>
- [4]. <http://www.ithenticate.com/blog/expanding-plagiarism-policies-for-doctoral-theses-in-india#.WwLKITSFPIU>