



**Artificial Intelligence**

# PLAGIARISM CHECKER

Creativity can't be copied, it's unique in everyone



# Abstract

## ■ Plagiarism as a major problem in Academics

Students plagiarize in different areas: homework assignments, essays, projects, etc. Information can support valuable learning experiences, but these experiences are diminished when students plagiarize by copying assignments and getting credit for work they have not done.

## ■ Plagiarism in journalism

Since journalism relies on the public trust, a reporter's failure to honestly acknowledge their sources undercuts a newspaper or television news channel's integrity and undermines its credibility.



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# Proposed System



Files can be uploaded by the Faculty on to the software

Faculty can upload all the student assignment files into a single folder as zip and upload it.



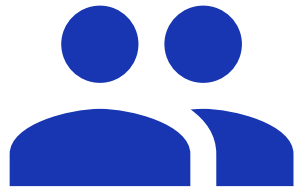
System will analyze the document files uploaded

System will receive the zipped folder, extract all the document files, and analyze each and every text line by line using the implemented model and algorithms



The result of plagiarism is displayed

After a specific amount of analysis time, it compares and displays the percentage of content that has been plagiarized between each file separately.



# Literature Survey



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# Plagiarism in Academia

- Plagiarism in classrooms has changed a lot, the practices that were used on period of 70's are very different from the current ones; in the past word-for-word copy in papers was mainly from one or two sources which made it easy for instructors to discover although it is time-consuming.
- Nowadays with the advent of the worldwide-web the attitude of the plagiarism among students and instructors has changed as students started to use this tool as a shortcut to their assignments, instructors started to use it to police student activities.
- Vogts (2009) suggests that students use plagiarism as a last resort especially in programming assignments that are difficult to students and urge that students behavior is not the same when students are novice programmers. Hence, plagiarism detection tools can also be used to discover when novice programmers need more help and thus education support

# Plagiarism Detection Tools



- Most of the tools have proposed algorithms that can handle all kinds of digital submissions from plain text, formatted text to audio podcast by transforming all forms of submissions to plain text, and then apply the famous Winnowing algorithm to search for text similarity with other texts which can be done locally or globally.
- Other natural language based techniques were implemented in the direction of peer-to-peer sentence comparison using techniques that can help solving obfuscation resulted from paraphrasing , reordering, merging or splitting sentences.