

Assignment Web Similarity Analysis

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Executive Summary

Overall Web Similarity Score: 10%

Assessment: Low overall similarity. The assignment primarily focuses on a specific project proposal and contains details unique to the student group. A few generic phrases related to plagiarism detection and its features appear in some of the web sources, but this is expected given the topic.

Conclusion: The assignment demonstrates originality. The identified matches are related to general concepts and terminology common in discussions about plagiarism detection tools. The project proposal's specific details, student information, and university context strongly suggest original work. No evidence of plagiarism is present. The use of common terms like "Plagiarism Detection," "User friendly Interface," and "Machine Learning" does not constitute plagiarism, as these are standard descriptors in the field.

Web Sources Analyzed

Source URL	Similarity Score
https://www.reddit.com/r/studentsph/comments/1gb00sp/my_work_got_flagged-as-plagiarized/	21.65%
https://www.grammarly.com/plagiarism-checker	39.35%
https://copyleaks.com/	32.7%
https://www.insidehighered.com/news/tech-innovation/artificial-intelligence/2024/06/12/another-ai-plagiarism-detector-comes-edtech	39.65%

Detailed Content Matches

Match 1 - Similar Content (90%)

Assignment: Plagiarism Detection
Source: https://www.grammarly.com/plagiarism-checker
Source Text: Plagiarism Checker

Match 2 - Similar Content (85%)

Assignment: AI Plagiarism Detector Tool
Source: https://www.insidehighered.com/news/tech-innovation/artificial-intelligence/2024/06/12/another-ai-plagiarism-detector-comes-edtech
Source Text: Another AI plagiarism detector

Match 3 - Common Knowledge (0%)

Assignment: User friendly Interface
Source: None
Source Text: None

Match 4 - Common Knowledge (0%)

Assignment: Document and Format Support

Source: None
Source Text: None

Match 5 - Common Knowledge (0%)

Assignment: Machine Learning and Natural Language Processing
Source: None
Source Text: None

Full Assignment with Highlighted Plagiarism

Sections highlighted in yellow with red text indicate potential plagiarism.

AI Plagiarism Detector Tool under EE5454 software Project Module

Source: <https://www.insidehighered.com/news/tech-innovation/artificial-intelligence/2024/06/12/another-ai-plagiarism-detector-comes-edtech>

Dear Sir,

I hope this message finds you well. We are group of four students eager to take on the “**AI Plagiarism Detector Tool**” project as part of the EE5454 Software Project Module, with your valuable guidance. Our Team Members are,

Source: <https://www.insidehighered.com/news/tech-innovation/artificial-intelligence/2024/06/12/another-ai-plagiarism-detector-comes-edtech>

EG/2020/4210 - Sewwandi BTI

EG/2021/4424-Balasooriya JM

EG/2021/4432-Bandara KMTON

EG/2021/4433-Bandara LRTD

We envision developing a web application that plagiarism detection with the advanced features.

Advanced test comparison :

Exact matching ,Paraphrase Detection

Content Originality :

Providing the originality of the content as a percentage.

User friendly Interface :

Dashboard, Report Generating

Machine Learning and Natural Language Processing

Using the advanced of the ml algorithms and the NLP techniques to understand the context.

Review and Resubmission

Document and Format Support:

Accesses to upload the various file types (pdf,doc,docx)

User Authentication

We believe this project will greatly benefits to the students as well as the lecturers to their academic works with having high confidence of their academic papers.

Your expertise and feedback would be invaluable as we embark on this journey.

Please let us know your thoughts if we have approval to proceed.

Thank you for your time and consideration.

Best Regards,

Bandara KMTON (EG/2021/4432)

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On behalf of the project group members:

Bandara LRTD, Balasooriya JM, Sewwandhi BTI

Analysis Methodology

Web Similarity Analysis Method: This report analyzes the similarity between a student assignment and web content using multiple approaches:

1. **Basic similarity analysis** using TF-IDF vectorization and cosine similarity metrics to calculate statistical similarity between texts.
2. **Advanced semantic analysis** using Google's Gemini AI to identify conceptual similarities, common phrases, and potential plagiarism patterns.
3. **Source verification** by analyzing multiple sources to distinguish between common knowledge and unique content.

Interpretation Guide:

- 0-15%: Very low similarity - Likely original content
- 16-30%: Low similarity - Contains common phrases but largely original
- 31-50%: Moderate similarity - May contain some paraphrased content
- 51-70%: High similarity - Contains substantial similar content
- 71-100%: Very high similarity - Significant portions may be unoriginal

Disclaimer: This automated similarity analysis provides an approximation of content similarity against web sources. Results should be interpreted by a human reviewer for context-appropriate assessment. Common knowledge, standard phrases, and coincidental matches may be flagged and require human judgment.