Assignment Web Similarity Analysis

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Executive Summary

Overall Web Similarity Score: 10%

Assessment: Low overall similarity. A few common phrases related to plagiarism detection and software features appear in both the assignment and some web sources, but these are generic terms within the project's context. The core project description and student details are unique.

Conclusion: The assignment text exhibits very little evidence of plagiarism. The matches found relate to common terminology within the field of plagiarism detection software, which is the subject of the project. The student's project description, including specific features like 'Review and Resubmission' and 'Document and Format Support,' as well as the contextual details of the university and course, are unique and strongly suggest original work. It is natural and expected for a project proposal in this domain to use standard terms like 'Plagiarism Detection,' 'AI,' and 'Machine Learning.' No evidence suggests improper copying of content from the web sources provided.

Web Sources Analyzed

Source URL	Similarity Score
https://www.reddit.com/r/studentsph/comments/1gb00sp/my_work_got_flagged_as_ai_content_help/	22.07%
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	40.04%

Detailed Content Matches

Match 1 - Similar Content (70%)

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 2 - Similar Content (90%)

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

Match 3 - Similar Content (100%)

Assignment: AI Content & Text Authenticity Detection
Source: https://copyleaks.com/
Source Text: AI Content & Text Authenticity Detection

Match 4 - Common Knowledge (0%)

Assignment: User friendly Interface

Source: None
Source Text: None

Match 5 - Common Knowledge (0%)

Assignment: Report Generating
Source: None
Source Text: None

Match 6 - 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,

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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

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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.