

# Document Similarity Analysis Report

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## Executive Summary

Overall Similarity Score: 100.0%

Interpretation: The documents are extremely similar or potentially identical in content.

## Similarity Visualization



Similar Content

## Documents Compared

Property	Document 1	Document 2
Filename	EE5351_L2_4433.docx	EE5351_L2_4433_igu7oDu.docx
Word Count	366	366

## Similar Content Analysis

All similar phrases found (15 total):

### Match 1/15 (100.0% similarity)

Document 1: EE5351: CONTROL SYSTEM DESIGN LABORATORY 02 NAME : BANDARA LRTD REG No.

Document 2: EE5351: CONTROL SYSTEM DESIGN LABORATORY 02 NAME : BANDARA LRTD REG No.

### Match 2/15 (100.0% similarity)

Document 1 : EG/ 2021/ 4433 GROUP NO: CE07 DATE : 24/01 /2025 Table 1: Summative Laboratory Form Semester 05 Mo...

Document 2 : EG/ 2021/ 4433 GROUP NO: CE07 DATE : 24/01 /2025 Table 1: Summative Laboratory Form Semester 05 Mo...

### Match 3/15 (100.0% similarity)

Document 1: Voltage equation: 2.

**Document 2:** Voltage equation: 2.

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**Match 4/15 (100.0% similarity)**

**Document 1:** Back EMF equation: 3.

**Document 2:** Back EMF equation: 3.

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**Match 5/15 (100.0% similarity)**

**Document 1:** Torque equation: 4.

**Document 2:** Torque equation: 4.

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**Match 6/15 (100.0% similarity)**

**Document 1:** Motor torque relationship: Transfer function By using equations (1), (2), (3), and (4): Due to the n...

**Document 2:** Motor torque relationship: Transfer function By using equations (1), (2), (3), and (4): Due to the n...

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**Match 7/15 (100.0% similarity)**

**Document 1:** Characteristic equation given as :  $=0$  By considering ;  $2\omega = 10.047 = 239.23$   $\omega = 0.3248 = 15.47\text{rad/s}$ ...

**Document 2:** Characteristic equation given as :  $=0$  By considering ;  $2\omega = 10.047 = 239.23$   $\omega = 0.3248 = 15.47\text{rad/s}$ ...

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**Match 8/15 (100.0% similarity)**

**Document 1:** From that given as:  $< 2 > 0.01762$  From that can consider as 1.

**Document 2:** From that given as:  $< 2 > 0.01762$  From that can consider as 1.

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**Match 9/15 (100.0% similarity)**

**Document 1:** According to that  $= 0.415 = 0.011635$  Q3) Figure 5:Time domain response of the closed loop function ...

**Document 2:** According to that  $= 0.415 = 0.011635$  Q3) Figure 5:Time domain response of the closed loop function ...

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**Match 10/15 (71.79% similarity)**

**Document 1:** Voltage equation: 2.

**Document 2:** Torque equation: 4.

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## Similar Content Analysis (continued)

### Match 11/15 (71.79% similarity)

Document 1: Torque equation: 4.

Document 2: Voltage equation: 2.

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### Match 12/15 (63.41% similarity)

Document 1: Voltage equation: 2.

Document 2: Back EMF equation: 3.

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### Match 13/15 (63.41% similarity)

Document 1: Back EMF equation: 3.

Document 2: Voltage equation: 2.

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### Match 14/15 (60.0% similarity)

Document 1: Back EMF equation: 3.

Document 2: Torque equation: 4.

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### Match 15/15 (60.0% similarity)

Document 1: Torque equation: 4.

Document 2: Back EMF equation: 3.

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## Report Details

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**Analysis Method:** This report uses TF-IDF (Term Frequency-Inverse Document Frequency) vectorization and cosine similarity metrics to analyze document similarity. Additionally, sentence-level comparison is performed using sequence matching algorithms.

**Interpretation Guide:**

- 0-20%: Very low similarity
- 21-40%: Low similarity
- 41-60%: Moderate similarity
- 61-80%: High similarity
- 81-100%: Very high similarity

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*Disclaimer: This automated similarity analysis provides an approximation of content similarity. The results should be interpreted by a human reviewer for context-appropriate assessment.*