ENCE464 Assignment 2 Group Report

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*Note, please do not write as a conventional report with introduction, method, results, discussion, conclusion. Instead use the following headings, with **a page per section**.*

1 Architecture overview

Here you should describe your computer's architecture (such as the cache organisation, memory size, CPU model, etc.).

2 Multithreading

Here you should analyse and discuss how your program takes advantage of multiple cores.

3 Cache

Here you should analyse how your program makes optimal use of the cache.

4 Compiler optimisation

Here you should provide your analysis of compiler optimisation options.

5 References

Include references here.

6 AI statement

Indicate which AI tools were used (if any) and how they contribute to your assessment.

Instructions

1. The reports can be created in Word or LaTeX.

2. Delete all the instructions in blue.

3. Each section starts on a page and cannot be longer than a page.

4. No title pages please. We will deduct 10% for every page over the five page limit. The references and AI statements can share a page.

5. Use a 12 point font with margins of at least 2 cm.

6. No appendices.

7. Ensure your names and group number are in the title block.

8. Include a statement of acknowledgment with your work, clearly indicating which AI tools were used and how they contribute to your assessment.

9. Submit your reports as a PDF document through Learn. We will deduct 10% for non PDF documents.