Mini-Project

Group #
Student Name(s) and SCIPER(s)

1. Introduction

Brief description of the problem statement.
Objectives of the project.
FEA Software Used: e.g. MATLAB

2. Methodology

Model Setup

Define material properties, geometry, and boundary conditions.
Analysis Type: (Modal, Transient, or Harmonic).
Assumptions and simplifications.

3. Results and Discussion

Meshing, mode shapes, deformation, or stress distribution.
Tables and graphs of natural frequencies, time-history response, or frequency response.
Interpretation of the results.
Comparison with theoretical calculations or reference data.

4. Conclusion

Summary of key findings.
Design improvements or future enhancements.

5. References

- Author(s). Title of the paper/book. *Journal/Publisher*. (Year).
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Appendix (If required)

Additional screenshots, detailed calculations, or raw data.