

# Design Report

## Team Name

University Name

Department Name

Course Name

## Team Members

Team Member 1  
Team Member 2

Team Member 3  
Team Member 4

## Class Advisors

Dr. Advisor Name

## Sponsors

Sponsor Organization Name

October 5, 2025

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## **1 Introduction**

This section should provide an overview of the design project, its objectives, and the scope of the report.

## **2 Problem Statement**

Clearly define the problem that your design project aims to solve.

## **3 Design Requirements**

List and describe the requirements that your design must meet.

### **3.1 Functional Requirements**

Describe what the design must do.

### **3.2 Non-Functional Requirements**

Describe performance, reliability, usability, and other quality attributes.

## **4 Design Process**

Document your design methodology and process.

### **4.1 Design Alternatives**

Present different design options considered.

### **4.2 Design Selection**

Explain how you selected the final design.

## **5 Final Design**

Present your final design solution.

### **5.1 Design Overview**

Provide a high-level description of your design.

## **5.2 Detailed Design**

Present detailed specifications, drawings, and analysis.

## **6 Testing and Validation**

Describe how you tested your design and validated that it meets requirements.

## **7 Results**

Present the results of your testing and evaluation.

## **8 Discussion**

Discuss the implications of your results, any limitations, and potential improvements.

## **9 Conclusion**

Summarize the key findings and contributions of your design project.

## **10 Future Work**

Suggest areas for future development or research.

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**Appendix A: Appendix A: Additional Data**

Appendix A: Additional Data

Include supplementary data, calculations, or detailed drawings here.

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## Appendix B: Appendix B: Code Listings

### Appendix B: Code Listings

Include any relevant code or scripts used in your project.