


Communication Summary

These three deliverables represent the culmination of Team Wheelders' engineering design process. The Final Design Report provides comprehensive technical documentation, the Oral Presentation demonstrates our ability to communicate complex engineering concepts, and the Prototype Demonstration Poster offers a visual summary of our solution's key features and performance.

Together, these communication artifacts showcase our systematic approach to solving the Rice Robotics Club's rover wheel challenge, from initial problem identification through final prototype validation. They demonstrate not only our technical engineering skills but also our ability to effectively communicate complex technical information to diverse audiences.


Final Design Report

Our comprehensive Final Design Report documents the complete engineering design process for Team Wheelders' rover wheel solution. This document synthesizes all aspects of our project including problem definition, research, design criteria, solution development, prototyping, testing, and recommendations for future work.



Final Design Report PDF


Click below to view our complete technical documentation




Final Design Report

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Prototype Demonstration Poster


Our prototype demonstration poster visually communicates the key aspects of our rover wheel design solution. This poster was presented during our final demonstration, showcasing the design features, performance metrics, and real-world application of our engineering solution.




Prototype Demonstration Poster

View our visual project summary and demonstration results


Prototype Demonstration Poster

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Oral Presentation

Our final oral presentation showcases the complete journey of Team Wheelders through the engineering design process. This presentation highlights our problem-solving approach, innovative solutions, prototyping iterations, and final recommendations for the Rice Robotics Club's URC rover wheel system.



Oral Presentation Video

Watch our comprehensive project presentation

▶ 0:00 / 13:26

Duration: 13 minutes | Presented by Team Wheelers