**Final Report Guideline**

1. **Cover Page**
2. **Abstract**
3. **Table of Contents**
4. **Lists of Figures and Tables**
5. **Introduction**
6. **Problem Formulation including Needs/Wants/Goals/Objectives/Constraints and QFD**
7. **Conceptual Design including Functional Decomposition, Selection Process, & Final Design**
8. **Design Embodiment**

 **Analysis and Software**

 **Results of Analysis-based Design**

 **Overall Design Summary**

 **VIII. Manufacturing Process**

1. **Bill of Materials**
2. **Manufacturing method**
3. **Assembly process**
4. **Picture of final product w/appropriate labels**
5. **Operations & Maintenance Manuals**

 **IX. Test Plan including Safety issues**

 **X. Test Results & Data Analysis including Tables & Graphs**

 **XI. Results & Discussions**

 **XII. Best Practices**

 **XIII. Lessons Learned**

 **XIV. Conclusion and Recommendations**

 **XV. Future Recommendations**

 **XVI. Summary**

 **XVII. References**

 **XVIII. Appendices**

 **XIX. Prototype Video Demonstration (Flash Drive!)**

**NOTES: Mostly SDI**

 **Mostly SDII**

 **Combined**