**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**