Final Report Guidelines and Format Recommendation

**Overview:** This document shows the order in which your text should appear and the topics it should address. Additionally, it shows the order in which your presentation slides will appear in the final presentation.

**Purpose:** The Final Report delivers a lot of information in a single document. Implementing the items below will ensure the necessary components, while telling the story of your project’s inception, creation, and testing phases.

**Format Recommendation:**

1. **Project Title** 
   * Cover page with Team Information, Liaison/Advisor Information, and Table of Contents
2. **Introduction**
   * Customer/Sponsor, background of the problem, needs/requirements in a solution.
   * The background, challenges or limitations of existing solutions.
     + The motivation behind your proposed solution.
     + The unique achievements of your project.
   * What did individual members contribute?
   * How does your project stand out from previous solutions?
   * What are the key design principles?
   * What are the benefits of your design?
   * What about the experiment/testing results?
3. **Related Works and Technologies**
   * Review any existing works that attempts to solve the same problem.
   * Describe why you chose the techniques that you used for implementation.
   * Justify your process.
4. **System Architecture**
   * Describe system architecture. (Include DFD graph).
   * Chart signal workflow or the data exchange flow between different software components.
   * Software/Algorithm/System Development and Implementation.
     + Describe implementation steps and details.
     + Describe algorithms implemented.
5. **Results and Conclusions**
   * Describe results; include interesting findings.
   * What succeeded? What failed?
   * Discuss any follow-up research and development required to successfully implement your program.
6. **References**

* Use proper formatting when writing and editing your references section.

**Standards of Excellence:** Excellent implementation of these features will reveal a narrative of discovery immediately apparent to those with CS specialization. With effort, readers of other disciplines will be able to decipher your process and be convinced of the soundness of your approach. Your group’s honesty with data and the integrity of your process becomes apparent in your Final Report.