Final Report Specifications
Due Date: 15th November 2004 by 6:00 PM

The final project submission should consist of the following components:

1. **Final report**
   a. **Title page -** Include team name, architecture name (if any), team number and names of all team-members.
   b. **Table of contents** – Include section and sub-section numbers with page numbers.
   c. **Executive summary** – One page summary of the project stating the objective of the project, your design flow and your current status.
   d. **Introduction** – Assume that the reader of this document is familiar with computer architecture design principles, but not the project. Keeping this in mind, introduce the project to the reader.
   e. **Main body** – In this section, you will discuss the various phases/aspects of your design. Talk about every design phase and discuss the design choices you made. You may ask the reader to refer to the journal for certain details. Highlight the unique design aspects. Discuss the pros and cons of each of your design choices and discuss what you would do differently, given another chance. Also, discuss any improvements you can make to the design. Remember to discuss all the design phases and also to present the material in an easy-to-read manner.
   f. **Conclusion** – Conclude your report by talking about the performance of your architecture.
   g. **Performance evaluation –** Determine the following quantities by measurement, calculation or analysis and present the data in your report.
      i. Number of instructions to calculate the gcd using the Euclid's algorithm.
      ii. CPI for the code fragment that calculated the gcd using the Euclid's algorithm.
      iii. The cycle time for your architecture.
      iv. Number of clock cycles required to calculate a value relatively prime to 0x13B0. (The result should be 0x000B using the algorithm specified in the project specifications.)
      v. The execution time to determine the value relatively prime to 0x13B0 as per the algorithm above.
      vi. The gate count for your entire architecture.

2. **Reflections -** This is to be done **individually** by each team member. Answer the following questions.. These questions are simply to guide you. You may add any other comments or feedback you have.

   - What is the most valuable thing you learned about working in teams?
   - What is the most valuable technical material you have learned?

- How could you have been a more effective member of your team?
- Your most significant contribution to the project.
- (Optional) Suggestions for future projects.

3. **Confidential Peer Evaluation –** Each member of the team must also submit a **confidential** peer evaluation. You will give me feedback on each member of your team.. The peer evaluation form can be found on the class website under the Projects section.

The Report will be submitted through your project website (soft copy only). For the confidential peer evaluation and the reflections, submit a hardcopy to your instructor.