

Project Presentation Specifications

Date: 15th November 2005

General requirements:

- Duration of each presentation: 8 minutes (including Q & A, setup of laptop etc).
- Every member of the team must be present for the presentation and also participate by presenting some part of the presentation.
- Dress appropriately.
- Prepare a professional presentation. You may wish to use PowerPoint or other similar tools. Practice your presentation at least once.
- Your presentation will be evaluated by your class-mates attending your presentation. The instructors will provide the evaluation criteria.

Content

- Remember that your audience is familiar with computer architecture design principles and with the project specifications. Keep this in mind when you decide on what to talk about in your presentation.
- Highlight the unique aspects of your design.
- Discuss changes that you would like to make to your design.
- Discuss the aspects of the design that your team found most challenging and interesting.
- State the following performance measurement quantities. Ensure that the project is created using the Spartan2E family, device xc2s200e, package pq208, speed grade -6 before you measure the parameters.
 - Number of instructions to calculate the gcd using the Euclid's algorithm.
 - CPI for the code fragment that calculated the gcd using the Euclid's algorithm.
 - The cycle time for your architecture.
 - Number of clock cycles required to calculate a value relatively prime to 0x13B0. (The value relatively prime to 0x13B0 should be 0x000B using the algorithm specified in the project specifications.)
 - The execution time to determine the value relatively prime to 0x13B0 as per the algorithm above.
 - The gate count for your entire architecture.
- Discuss any unique problems and adventures with Xilinx.