

## **Project Overview Notes & Instructions**

Once you download the Simplescalar simulator, inside directory ss3, there are many default .c files (simulator for each different architecture component) representing such as branch predictor, cache simulator, etc.

Students will modify one of the files depending on which simulator their project will update or modify or improve

Then student will run the simulator using steps outlined on page 5 of lecture slides "ece587\_lec5.ppt". Students do need to do make, then all the other steps described on that slides. See also notes section of the Powerpoint version of the slide.

Project status report won't contribute to final grades.

Final Project Demo/Presentation will be 15 minutes per group, can be PPT presentation or oral presentation or poster or demo or combination of these. There will be Q&A during the 15 minutes so budget some time for Q&A within the 15 minutes, allocate 5 minutes for Q&A and only allocate 10 minutes for presentation. 15 minutes hard stop.

Final Project Paper Write-up: what I will be looking for is: "is this paper interesting?" I will look at the abstract and introduction and conclusion to decide if I want to read the rest of the paper.

Students need to analyze the data: make observation & findings from the data and provide theoretical explanation and reasoning; and then get additional data that validate the theoretical explanation. Goal is for us to learn how to do good research and analysis. Those are the kind of things I will be looking for: how solid is the methodology, how thorough is the data, how well the findings are explained, etc.