

CSE 566 – Fall 2004
Reconfigurable System On Chip Design
Lecture 14 :
Final Project Template

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A PowerPoint version of these slides to be used as a template are on-line as :
http://www.arl.wustl.edu/~lockwood/class/cse566-f04/lecture/cse566_lecture14.ppt

CSE566 (Fall 2004) Final Project Proposal

- **Project Title**
 - Every good project must have a name
 - Consider using an acronym that spells out a word

- **Project Team**
(2-3 people should be a team)
 - Team Leader
 - Specialty
 - Email contact
 - Team Member
 - Specialty
 - Email contact
 - Team Member
 - Specialty
 - Email contact

CSE566 Final Project : Objective

- Objective of the work
 - What do you want to do?
 - Qualify (Enumerate the characteristics)
 - Quantify (Describe how fast and how much it will do)

CSE566 Final Project : Goals and Utility

- Goal of the Project
 - What is this problem interesting ?
 - What will it do when the project is finished?
- Utility of the work
 - Why is this circuit going to be useful?
 - How will this component improve the Internet ?

CSE566 Final Project : Related Work

- What have others done ?
 - FPX References :
 - <http://www.arl.wustl.edu/arl/projects/fpx/references/index.html>
 - Links to related course material, projects, and papers
 - <http://www.arl.wustl.edu/arl/projects/fpx/opportunities.html>
 - Use Google or CiteSeer to find article, journal, and/or conference proceedings
- How did others build their systems ?
- How will your work be different

CSE566 Final Project : Approach

- How do you plan to solve this problem
 - Theory
 - Data structures
 - Diagrams
- How will this project be implemented?
 - How will it work ?
 - Where will it connect to the TCP wrapper ?
 - How will it be controlled ?
 - What kind of data will it process ?
 - How will it be tested and debugged ?

(Provide 3-5 slides with details and diagrams)

CSE566 Final Project : Metrics

- How will you measure performance?
 - Metrics must be measurable and testable.
 - Don't just build a "better" mousetrap, count the number of mice trapped per day
- Validate your results.

CSE566 Final Project : Project Value

- Who might be interested in this work ?
 - Companies
 - Governments
 - Universities
- What is it worth to them?
 - Will it save lives
 - Will it save money
- How might the work be transitioned ?
 - Systems
 - SOC Modules
 - VHDL Libraries

CSE566 Final Project : Project Planning

- **Schedule**
 - Identify work to be completed each week
 - Nov 9 : Project Proposal Completed
 - Nov 16 : Status 1
 - Nov 23 : Status 2
 - Nov 30 : Project writeup draft due
 - Dec 7 : Demonstration
 - Dec 14 : Project Submission

 - Adhere to your metrics to show progress

CSE566 Final Project : Website

- **Project Website**
 - URL to project homepage
 - http://soc.arl.wustl.edu/cse566-f04/projects/your_project/