ECE/RS-493
SENIOR ADVANCED DESIGN PROJECT

Meeting #2
Q1: How many teams are on schedule?
Q2: Which teams suffer delays?
Q3: Which teams have ‘group work’ issues?

Let’s review your test plan and WBS
Is Your Work 50% Complete?
If not then your project is already delayed – HURRY UP!!!

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<tr>
<th>ACTIVITY</th>
<th>TIME</th>
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<tbody>
<tr>
<td>• End of prototyping</td>
<td>Week 1</td>
<td>→ Class meeting #1</td>
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<td>• Full scale implementation</td>
<td>Week 6</td>
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<td>• Testing</td>
<td>Week 10</td>
<td>→ In-Progress Presentation</td>
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<td>• Final Reporting</td>
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<td>• Preparation for final presentation</td>
<td>Week 12</td>
<td>→ Class meeting #3</td>
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<td>Week 14</td>
<td>→ Final Report and Oral Presentation</td>
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<td>Week 15</td>
<td>→ Project Poster Due</td>
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In-Progress Review

• You have to give an In-Progress Presentation
  – A formal presentation given to your FS and an additional ECE faculty
  – Hardcopy of presentation slides is your Progress Report #2

• The goals are:
  – To inform faculty about project progress
  – To inform faculty about ongoing testing
  – To highlight all trouble areas and issues
  – To receive valuable feedback from faculty

• Allocate minimum 1 hour for the review
  – Presentation should take about 40 min
  – Remaining 20 min should be allocated to discussion
In-Progress Review Slides

- Cover page
- Short introduction
- Overview of Level-1 and Level-2 system architecture
- Task-by-task discussion of the progress (!)
- Summary of achievements in comparison with the original schedule
- Demo(s) of system integration effort, implemented modules, etc.
- Report from early experimentation
- Problems/surprises you encountered
- Action plan for remaining four weeks
Final Report Preparation

• Your report is a formal document representing you!
  – Don’t forget about nice printout, cover, etc.
  – Drawings must be nice, clean and readable

• Include a CD with a hard copy of your report. CD content must include:
  – MS Word file of your final report
  – PPT file of your final oral presentation
  – Any movies from experimentation stages and final demos
  – Pictures from work in-progress and final demo
  – Any marketing materials the ECE Dept. can use to promote your work – you should plan to develop such marketing materials

• You have to include all details of your work in the report – therefore it can be a large one

• Follow the distribution list
Final Report Format

• Cover page
• Executive summary (1 page)
• Table of Contents
• Approach (2-5 pages)
  – Describe the project’s origin, solution to the problem, alternative designs, and contributions of each of the team members
• Technical section (as needed)
  – Follow top-down design approach
  – Show system models
  – Describe each element of the system
  – Include detail drawings, schematics, pictures, etc.
• **Experimentation (as needed)**
  – Discuss each experiment properly
  – Present collected data in the right format
  – Pictures from the experimentation, etc.

• **Experiment validation using evaluation criteria (1-2 pages)**
  – Provide a proof of your success
  – *Show processed* experimental data used to derive your conclusions
  – Refer to requirements analysis to make final conclusions

• **Other issues – see point 14 of the course pamphlet (minimum 2 pages)**
  – Very important!
• Administrative part (2-4 pages)
  – Discuss project progress
  – Did you completed all tasks successfully?
  – Did you have to change the design, tasks, schedule? What were the changes and why?
  – Any extra (not-planned) activities you had to carry out?
  – Funds spent + discussion
  – Man-hours devoted to the project + discussion

• Lessons learned (minimum 1 page)
  – Additional knowledge and skills learned
  – Teaming experience

• References
  – Literature references
  – Web URLs, etc.

• Appendix A: Proposal (ECE-492)
• Appendix B: Design Document (ECE-492)
• Appendix C: Software printout – if required by FS