Senior Design - Spring 2005
EE/CpE 424
Outline

• Spring 2005 tasks
• Social Security Numbers
• Web Sites
• Coordination of Design 6, 7 & 8
• Interim report
• Design Day
• Reimbursement
• Other items
Senior Design Tasks – Spring ‘05

Today

Web site updates (15th)
Weekly status
Group Eff. Reports (Monday)

2/1 3/1 4/1

Today

build, debug, test

Publish interim project report
Develop final report

4/27 Design Day

Submit final report
Oral/slide/poster presentations/demos

5/1/05
Social Security Numbers

• Unfortunately, Stevens Student ID = Student SSAN

• **DO NOT POST SOCIAL SECURITY NUMBERS ON SENIOR DESIGN WEB SITES** – I had to hide several files from previous years’ projects when we discovered SSANs (typically on the cover sheet of a report)

• Do not put your Student ID/Social Security Number on materials submitted for this class – I don’t need/want them

• Don’t even put a part of SSAN on web or hardcopy materials (e.g., xxx-xx-1234)

• Please let me know if you discover any current or previous year’s project with complete or partial SSANs posted
Web Sites

• Web sites are graded on the 15th of February, March, April, and after Final Reports are due (May 3)

• All web sites must be hosted on panda.ece.stevens-tech.edu

• Web sites must contain all weekly status reports, all interim and final reports, presentations, posters, and project brochures

• Web sites should contain background and reference information as well as ideas for follow-on projects

• All materials must be in .pdf or .html format

• Extra credit will be given for extensive useful additional information posted on the web site:
  – External reference links
  – Background information on various aspects of the project
  – Well thought out suggestions for future extensions for the project

• Web sites that look like significant effort went into their creation will be graded appropriately

• Web sites that look like insignificant or minimal effort went into their creation will be graded appropriately
Integration with Design 6

• Would you like to see your Senior Design project continued?

• When you realized what you could actually accomplish, were there features you decided to drop?

• Is there an ongoing activity or competition that your project could be tied to?

• Is there a potential Stevens club that could grow out of the research area your project addresses?

• Is your project part of a bigger set of tasks that could be coupled?

• Design 6 class – Friday 2/18 10 – 12:55 K228
Spring Interim Report

• Due on Tuesday after Spring Break (3/29)

• Format as described for other reports on Senior Design web site

• Report should describe what it is you are actually building, including design tradeoffs and final design choices made.
Design Day

• Requirements were submitted by several groups

• I filled in some details for those who did not submit their requirements
  – 1 power outlet and no network connection
  – Group name as it appears on Senior Design web site
  – Group member names as they appear in Registrar’s database

• Everyone will be provided a ~2 ft x ~6 ft table

• ECE Department will provide 2-3 foam core display boards for your posters

• ECE Department has a large format, high quality color printer/plotter in B200 for generating posters
Reimbursement for Senior Design Expenses

Examples of items I will expect to be returned for future use:
- GPS receiver
- USB camera
- Wireless transmitter receiver
- \(\mu\)C evaluation boards

Examples of items I will not expect to be returned:
- Resistors, capacitors that were used in your project

Examples of items that will not be reimbursed:
- Pizza

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<table>
<thead>
<tr>
<th>Item description/purpose</th>
<th>Vendor</th>
<th>Price</th>
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- A single request for reimbursement should be submitted per group at the end of the Spring semester.
- Receipts are required for all expenses. Receipts must include date, vendor information, item description, and price.
- If receipt contains expenses that are not associated with Senior Design, circle the expenses for reimbursement.
- There is a limit of $250 reimbursement per group.
- Check will be made payable to person submitting request unless other arrangements are made.
- Check will be delivered to requesting student upon return of checked items to ECE Senior Design coordinator.
Other items

Details at:
http://ieee.rit.edu/sdc5

<table>
<thead>
<tr>
<th>Year</th>
<th>Teams</th>
<th>Schools</th>
<th>Stevens teams</th>
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<td>15</td>
<td>7</td>
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<tr>
<td>2002</td>
<td>13</td>
<td>4</td>
<td>2 – one won $500 as “most marketable”</td>
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<td>2003</td>
<td>10</td>
<td>6</td>
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<td>13</td>
<td>0</td>
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<tr>
<td>2005</td>
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With N teams, K members of your team, what is expected payoff?

\[ E(\text{competition}) = \sum_{N \text{ teams}} \frac{\text{prizes}}{N} = \frac{10500}{N} \]

\[ \text{Cost(competition)} = $50 + $20 \cdot K \]

Payoff > Cost for K<6, N<70