



ECE 477 Digital Systems

Senior Design Project

Guideposts
Week 13

Announcements

- Theta Tau Innovation Contest:
 - Opportunity to acquire wealth and prestige
 - \$10,000 in available prizes
 - Information available on Course Website Message Board
 - Contact course staff if interested
- PSSC Checkoff Form
 - Available on ECE477 -> Course -> Processes webpage
 - Print off a copy and have TAs/Staff sign off preliminary and final PSSCs as they are completed

Announcements

- Project Notebooks:

- ABET course requirement
- Minimum 60% required on the final notebook evaluation to PASS THE COURSE
- Room for improvement for many students
- Basic HTML assistance and tutorials:
<http://www.w3schools.com/html/default.asp>
- Course policy regarding laboratory notebooks:
<https://engineering.purdue.edu/ece477/Course/Policies/ProjectNotebookPolicy.pdf>
- “Laboratory Notebook Bootcamp” lecture slides:
<https://engineering.purdue.edu/ece477/Course/Lectures/Slides/S-LabNotebooks.pdf>

Last Week (Week 12)

- Homework 11: Reliability and Safety Analysis
 - Due Friday at 12am (midnight)
 - Analysis of robustness and reliability of project
 - FMECA Analysis

This Week (Week 13)

- Homework 12: Reliability and Safety Analysis
 - Due Friday at 12am (midnight)
 - Discussion of significant environmental aspects of your project
 - Ethical implications of your project, and ways in which it might be used for malicious intent
- Project Progress:
 - Should have power supplies more-or-less
 - Should be starting to communicate with microcontrollers by now, if you haven't already

This Week (Week 13)

- Mandatory Lab Session 9:
 - Wednesday at assigned TCSP session time in EE061/EE063 (8am and 12pm)
 - General Project Progress and Troubleshooting
 - All students are expected to be on time and remain in lab for the entirety of their mandatory lab session
 - Students who are late will be marked as late

The Rest of the Semester

- Mandatory Lab Sessions
 - April 16th and April 23rd
- Project progress and development
- Preliminary and Final PSSC Checkoffs

Questions?