# Bread Board Proof

# And Risk Assessment

# Assignment 5

## CpE 190/EEE 193A

Demonstrate the bare bones of a central part of your design idea. Demonstrate real hardware and software in a rapidly assembled system that clearly establishes some essential feature of your design. Discuss the design with your technical advisory team and identify strategies for the project work.

All the major elements of the selected essential feature your design should be demonstrated including a typical sensor, embedded processor, communication interface or other pertinent device. Integration is superficial and targets a subset of the final design. It is neither pretty nor complete. But the demonstration shows you have a viable project. By the nature of this early stage, most or all of the parts will be off-the-shelf and purchased.

Required elements of this presentation:

1. A full walk through of at least one essential feature of your design idea.
2. A **risk assessment** of your team's project. List the perceived critical paths. Prepare a risk assessment chart to describe the level of project risk versus the level of project impact if that risk occurs. List possible mitigation if that risk occurs. This is both a written and an oral requirement. Document and discuss.
3. Discuss your design idea feature set in light of your five weeks of work. You may need to prepare a revised design idea and submit it for instructor approval if additions or modifications are warranted and desired.

Upload the risk assessment document and any attachments to the team's Hive site in the "Assignments - Fall 2014" folder.

Check the syllabus for the assignment due date.

Effective "Build" Philosophy:

Spend the next 5 minutes to show that I should spend an afternoon on this (approach, filter, widget, sensor, and so on)?

The 5 minute session says to move on.

Spend the afternoon on (approach, filter, widget, sensor, and so on) to see if I should spend a week on this.

The afternoon session says to move on.

Now spend a week with a clearly identified goal as to how this time and effort moves the project forward.