

# Assignment 2 - Device Test Plan

CpE 191 and EEE 193B – Instructor: Russ Tatro

Develop a test plan that proves the laboratory prototype works as expected over a convincing range of factors such as temperature, humidity, voltages or other pertinent factors for your design. All projects are required to function in the “shirt sleeve” environment of Riverside Hall and the lab environment sets the required range of such variables.

1. Determine the necessary factors that need testing. Consult with your project advisors on which tests are appropriate and which aspects are most critical in a deployable prototype.
2. Establish a test timeline and assign tasks to team members. Include this test timeline and tasks in your *test plan results* documentation.
3. Prepare a testing results report due at the mid-term progress review. Specifically detail how the testing results were incorporated into your deployable system.
4. The device test plan will be in the IEEE format with a cover page, abstract, keyword index, table of contents, table of figures, introduction, main topics, conclusion, references and a glossary defining specialized terms or acronyms.

Length is variable but in the 10 to 15 pages range.

Single line spacing.

Two-Column format.

Use a font size similar to Times New Roman 12 pitch.

This assignment is the device test plan document. Look ahead at the future assignments and note that later, during the mid-term progress review, the team will present the results of their device testing.

At the mid-term progress review you will give a short overview of your testing results and the impact on your project.