We set our goals high for this project, aiming to have an accurate autoranging multimeter capable of many of the functions of commercial devices all at your fingertips, and we feel we certainly attained our goals considering our generally low error in measurements, the fact that we provide 11 unique and intuitive measurement modes, and because the final design was certainly wearable—and looks pretty cool once you strap it on!

We reused code from our previous labs in 4760, including the capacitance measurement lab and the tutorials from the 4760 Digital Multimeter lab held in Fall 2012; we also got a kickstart on the libraries for our LCD display from a tutorial on the Electronics Assembly website (the device’s manufacturer). However, all other code implemented in this design was written for the first time by our group specifically for this project.

**Standards**

Furthermore, our design adheres to the IEE Code of Ethics Chapter on Dielectrics and Electrical Insulation, as we wanted to maximize safety for the wearer of LabGloves.

**Intellectual Property Considerations**

Our Software was written entirely by our group with the exception of a portion of the code used for our LCD libraries written by Electronic Assembly, Inc, and the bones of our programs relating to Resistance, Capacitance, and Voltage measurements, which were laid out by Bruce Land for Cornell ECE 4760.

Furthermore, our physical design, to our best knowledge, is entirely unique and has not been produced before or protected by patent, trademark or copyright. We have given proper acknowledgement to all third parties who helped us to develop our design project.

A comprehensive list of ethics that we followed while designing our device can be found on the [IEEE website](http://www.ieee.org/about/corporate/governance/p7-8.html).

**Legal Considerations**

To our knowledge, our device does not violate any legal regulations. However, as a disclaimer, users should be advised that our device is not foolproof, and the user must familiarize themselves with its limits, as indicated in the user interface, and the ranges laid out above in the specifications section.