

## PHASE 3 ~ DESIGN FOR MANUFACTURING

### Deliverable 15 ~ User Evaluation

Due Date: <http://rrg.utk.edu/resources/BME469/assignments.html#Deliverable15>

**INSTRUCTIONS.** Ask your stakeholders that will be users to perform an evaluation of your detailed design. Your documentation of the evaluation is due electronically to Dr. Jeff Reinbolt (reinbolt@utk.edu) and should be included in your design history file as well.

#### **Purpose**

To ensure the best possible outcome, designers must consider a full range of user-interface issues, and work to create a product that enables the best possible performance. The more information that can be exchanged between designers and users, the higher the probability of having a successful product.

#### **Critical Information**

The goal of this deliverable is for the team to determine if the detailed design for manufacturing is meeting the expectations of the users.

In general, the user evaluation should cover the following areas:

- **Value.** Evidence for a final product that will have value to potential users.
- **Quality.** Design is innovative, viable, and satisfies all requirements and constraints
- **System Architecture.** Components skillfully integrated into whole

#### **User Evaluation: A Step toward Manufacturing**

The design team should show the users what has been accomplished up to this point, including the manufacturing specifications and feasibility report. Using interviewing techniques, the users' evaluations should be documented accordingly.