

Team: P18414

Engineer: Jeff Strauch

Entering Phase: Customer Handoff and Final Project Documentation

What do I plan on doing to ensure that Team P18414 has a successful next phase review?

Task 1: *Construct a better prototype for the “cookie cutter” jug positioner. (4/2-4/6)*

Task 2: *Use information from Human Subjects Testing to make changes to the design of the urine diverter. (4/2-4/13)*

Task 3: *Contribute to the Project Video and other deliverables that will be a part of our Imagine RIT presentation. (4/9-4/13)*

Task 4: *Make modifications to the diverter mold that reflect the required changes decided from Human Subjects Testing data. (4/9-4/11)*

Task 5: *Create a fiberglass urine diverter prototype. Comparisons will be made between the fiberglass and ABS prototypes (4/16-4/20)*

Task 6: *Test the maximum weight that the toilet frame can support, using weights from the RIT gym. Set a reasonable limit for weight the frame will be subjected to. (4/9-4/20)*

What did I actually do?

Helped with construction of the second toilet frame. Designed the “cookie cutter” jug positioner, and created a rough prototype from cardboard. Measured seat height and largest gap size for engineering metrics. Helped to conduct Human Subjects Testing.

What did I learn?

How to better mix and work with concrete. Molds for making anything out of concrete should be able to collapse and break apart, because sliding the toilet frame off of the mold in one piece is otherwise impossible.

What do I plan on doing to ensure that Team P18414 has a successful next review?

I plan to make the necessary changes to the design of the diverter, create a better cookie cutter prototype, make a fiberglass version of the diverter, and work on the final paper and Imagine presentation.