

Team Name: “Bed, Back, and Beyond”

Project Title: Accessible Power-Assist Hospital Bed Back Angle Controller

Angela Baltz                      Chris Heintzelman

Robert MacArthur              Magdalen Obiefule

Current Status:

- The team has left St. Louis University for Easter break. It is the middle of the semester and a few programming setbacks have put the team slightly behind schedule. In an effort to make up time the team has begun working on the website and sections of the final paper.

Work Completed:

- Received the clinometer

Current Work:

- Individual research
  - Chris is writing code
  - Rob is researching methods for operating the linear actuator
  - Magdalen is working on the website
  - Angie is working with the servo motors to power the feedback in the joystick
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Future Work:

- Website
- Continue programming
- Integration of components
- Learn how to vary the speed of the actuator
- Test the strength of motors that will provided feedback
- joystick assembly
- Testing of individual parts

References/Attachments:

Summary of meeting minutes

- Group meets to talk about progress thus far
- The group reassess the time line and decides to work on end of the year assignments now
- Group discusses potential problems with integration of parts
- Varying the speed of the actuator is a concern for the group
- Individual work is assigned for Easter break