

## Meeting Minutes Week 02/06/17-02/13/17

Meeting: February 6, 2016 7:00-9:00 pm in Capstone lab

### Team Meeting Discussion/Activity:

- ❖ Group resumed building phase of design and tested feasible design options to attach the guide-rails to the EZ-up frame.
- ❖ Design Goal
  - Previously the team had settled on using the design of using two guide rails which would meet middle of the EZ-up shade. This can be seen in the Figure 1 below.



Figure 1: Guide-rail design

The two guide-rail members would be attached with a metal strip support placed behind the two meeting points and will be able to become unattached when the design is not in use. This allows the bars to fold along with the other members of the EZ-up shade.

- ❖ Step 1: Holes were drilled in both legs to drill the both guiderails to the frame. This can be seen below.



Figure 2: Position of Drilled hole in EZ-up frame.

- ❖ Step 2: The guide-rails had been attached to the EZ-up frame with screws as seen below. An extra support was placed behind the guide-rails and screwed to both guide-rails fixing the connection of these parts together



Figure 3: Strip Connection Piece



Figure 4: Assembled Guide-rail

❖ Harness Model

- The first support bar is also assembled and will attach to the both sets of guide-rails once steps 1-3 are done to the opposite side of the EZ-up. This piece will hold the weight of the user and is presented below.

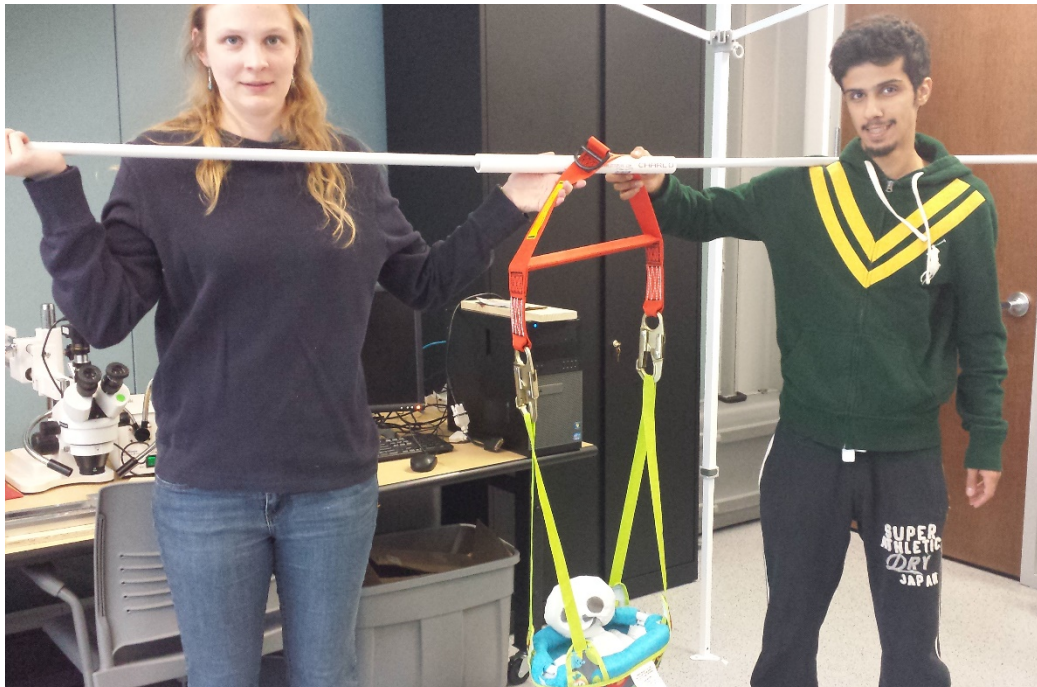


Figure 5: Spreader Bar and Distributor Bar Assembly

Weekly Tasks 02/06/17-02/13/2017

Team Member	Tasks Assigned
Khaled	<ul style="list-style-type: none"> <li>• Update Sponsorship information for the team's website</li> <li>• Continue to make report edits</li> </ul>
Hasan	<ul style="list-style-type: none"> <li>• Go to Home Depot to get materials</li> <li>• Continue to monitor budget</li> </ul>
Noah	<ul style="list-style-type: none"> <li>• Schedule capstone website and meeting. Email Dr. Winfree</li> <li>• Communicate with client to determine meeting times for the rest of the semester</li> </ul>
Eileen	<ul style="list-style-type: none"> <li>• Continue to construct gravity harness instruction manual</li> <li>• Update team's Wiki-links</li> </ul>
A.J.	<ul style="list-style-type: none"> <li>• Fill out Capstone registration packet for team.</li> <li>• Submit meeting minutes by 2/08/2017</li> </ul>

Next Steps:

- ❖ Hardware review Wednesday 12:20pm (2/22/2017)